

CONSTRUCTION DRAWINGS OF LOTUS RIDGE

A 177 LOT RESIDENTIAL SUBDIVISION

MOYOCK TOWNSHIP CURRITUCK COUNTY NORTH CAROLINA

SHEET INDEX

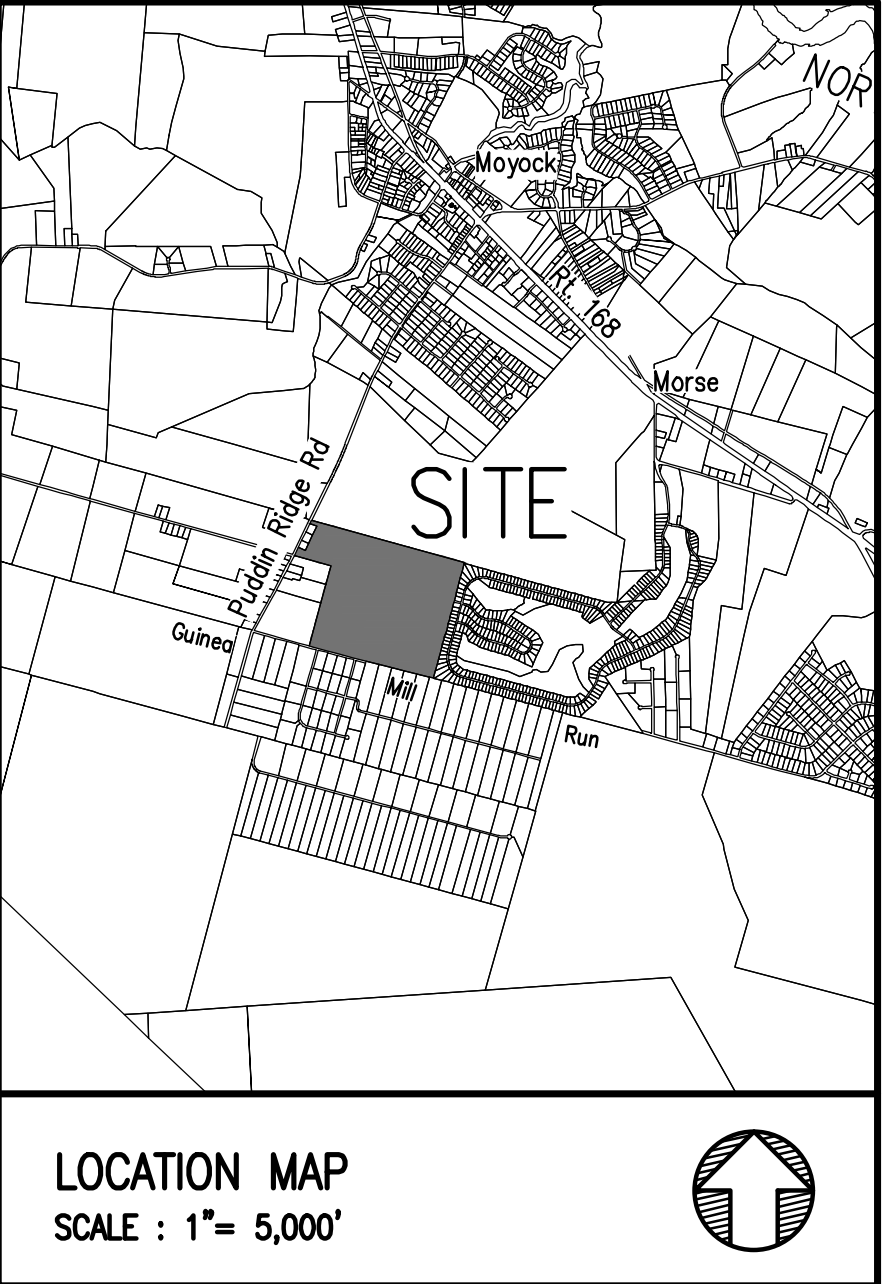
DEVELOPMENT NOTES:

- TOTAL PROPERTY AREA: ±256.67 AC.
- DEVELOPMENT SUMMARY:
 - PROPOSED LOT AREA: 163.24 AC.
 - PROPOSED RW AREA: 16.20 AC.
 - PROPOSED OPEN SPACE AREA: 77.24 AC.
 - TOTAL AREA: 256.67 AC.
 - # OF PROPOSED SINGLE FAMILY LOTS: 177
 - PROPOSED RIGHT-OF-WAY WIDTH: 40' TYP.
 - PROPOSED ROADWAY WIDTH W/ C&G: 27' TYP.
 - LINEAR FEET OF SUBDIVISION ROADWAY: 17,296 L.F.±
- IMPERVIOUS COVERAGE DATA (BUA):
 - MAXIMUM TOTAL LOT COVERAGE: 2,133,248 SF
 - ROADWAY: 394,084 SF
 - SIDEWALKS: 172,960 SF
 - ALLOWANCE FOR MISC. AMENITIES: 9 SF
 - TOTAL COVERAGE: 2,700,292 SF (80%)
- DISTURBED AREA SUMMARY:
 - PROPERTY AREA DISTURBED: 155.48 AC±
 - R/W AREA DISTURBED: 18.14 AC±
 - TOTAL DISTURBED AREA: 239.40 AC±

GENERAL NOTES:

- PROJECT NAME: LOTUS RIDGE
- APPLICANT: PUDDIN RIDGE AP, LLC
417-D CARATOKE HIGHWAY
MOYOCK, NC 27958
OWNER: FPI CAROLINAS, LLC
4600 S. SYRACUSE ST., SUITE 1450
DENVER, CO 80237
- PROPERTY DATA:
ADDRESS: PUDDIN RIDGE ROAD, MOYOCK, NC 27958
PIN: 0016000-0019-0000
RECORD DOCUMENT(S): DB1329 PG.87
ACREAGE: 256.67 ACERS
PROPERTY ZONING: SFM (SINGLE FAMILY MAINLAND)
- FLRM DATA:
ZONE: "X" PER F.L.R.M. MAP NOS. 3721802000 J, & 3721802100 K, BOTH HAVING AN EFFECTIVE DATE DECEMBER 21, 2018. USE OF LAND WITHIN A FLOODWAY OR FLOOD PLAIN IS SUBSTANTIALLY RESTRICTED BY CHAPTER 7 OF THE CURRITUCK COUNTY UNIFIED DEVELOPMENT ORDINANCE.
- THIS PROPERTY CONTAINS ACCE "404" JURISDICTIONAL WETLANDS AS SHOWN AND CONFIRMED BY USACOE ACTION ID# SAW 2021-02453, DATED NOVEMBER 15, 2021, AND MAY REQUIRE U.S. CORP OF ENGINEERS APPROVAL PRIOR TO DEVELOPMENT OF THE PROPERTY.
- A 10' EASEMENT FOR UTILITIES AND DRAINAGE ALONG REAR AND SIDE PROPERTY LINES AND A 20' EASEMENT FOR UTILITIES, DRAINAGE, WALKWAYS & STREET TREES ALONG FRONT PROPERTY LINE IS HEREBY ESTABLISHED. AN ADDITIONAL 5' EASEMENT FOR PLANTINGS IS PROPOSED AT THE REAR OF THE RESIDENTIAL LOTS.
- A DRAINAGE EASEMENT SHALL BE ESTABLISHED ALONG ALL MAJOR DRAINAGEWAYS SERVING MORE THAN 5 ACRES, THAT INCLUDES THE CONVEYANCE PLUS 25' FROM THE TOP OF BANK. A BLANKET DRAINAGE, UTILITY, AND PEDESTRIAN ACCESS EASEMENT IS HEREBY ESTABLISHED ACROSS ALL OPEN SPACE AREAS.
- EXISTING SITE CONDITION INFORMATION BASED ON A COMBINATION OF THE FOLLOWING:
 - 2012 AERIAL IMAGERY OBTAINED FROM NCDENRMAP.COM
 - FIELD TOPOGRAPHIC SURVEY DATA BY BISSELL PROFESSIONAL GROUP.
 - ELEVATIONS ARE REFERENCED TO NAVD 1988 VERTICAL DATUM.
- SECTION 7.8.5 OF THE CURRITUCK U.D.O. SUBSTANTIALLY RESTRICTS DEVELOPMENT WITHIN A 30' RIPARIAN BUFFER.
- ALL UTILITIES ARE TO BE INSTALLED UNDERGROUND
- NEAREST HYDRANT (MEC12) FLOW TESTED AT 919 GPM. DESIGN FIRE FLOW IS 500 GPM FOR SINGLE FAMILY RESIDENCES BASED ON STRUCTURES HAVING LESS THAN 4,800 SQ. FT. AND NOT OVER 2-STORIES HIGH. NFF FOR MULTIFAMILY STRUCTURES IS BASED ON ISO STANDARDS.
- THERE IS A 50' FARM BUFFER IN ALL AREAS ADJOINING ACTIVE FARM LANDS.
- THIS SUBDIVISION CONTAINS RIGHTS-OF-WAY THAT ARE PLATTED WITH THE INTENT OF BEING EXTENDED AND CONTINUED TO AND FROM ADJOINING PROPERTIES. ACCESS WITHIN THE RIGHTS-OF-WAY FOR STREETS AND UTILITIES SHALL NOT BE RESTRICTED.
- FARMLAND BUFFER NOTIFICATION: THE DEVELOPMENT IS ADJACENT TO AN EXISTING AGRICULTURAL OR FARM USE THAT IS ANTICIPATED TO GENERATE NOISE, LIGHT, DUST, ODOR OR VIBRATION AS PART OF ITS NORMAL OPERATION.

DEVELOPMENT DATA	
ITEM	VALUE
GROSS TRACT AREA:	±256.67 AC
DENSITY:	0.70 LOT/ACRE
OPEN SPACE REQUIRED:	30% (77.00 AC)
OPEN SPACE PROVIDED:	30.09% (77.24 AC)
PROPOSED STREET R/W AREA:	16.20 AC
PROPOSED RIGHT-OF-WAY WIDTH:	40 FEET
PROPOSED PAVED ROADWAY WIDTH:	27 FEET (BOC – BOC)
LINEAR FEET OF ON-SITE ROADWAY:	17,296 LF
PROPOSED LOT AREA:	163.23 AC
TYPICAL LOT:	125'x320'
AVERAGE LOT AREA:	40,172 SF
CONNECTIVITY SCORE:	1.43
LOT DEVELOPMENT CONFIGURATION	
LOT AREAS VARY FROM 40,000 SF TO 57,745 SF	
MINIMUM LOT WIDTH:	125 FEET
SETBACKS:	
FRONT	30 FEET
SIDE	15.5 FEET
REAR	25 FEET
CORNER SIDE	20 FEET
SIDEWALK (FROM FRONT)	17 FEET
RECREATION/PARKLAND DEDICATION: 177 LOTS x 0.0255 AC = 4.51 AC	



North Carolina
One-Call Center Inc.
811
Know what's below
Call before you dig.

STORMWATER CERTIFICATE

I, _____, OWNER/AGENT HEREBY CERTIFY THE INFORMATION INCLUDED ON THIS AND ATTACHED PAGES IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

ON THE PLAN ENTITLED, CONSTRUCTION DRAWINGS FOR BAYTER STATION – GRADING, DRAINAGE AND STORMWATER MANAGEMENT PLAN, STORMWATER DRAINAGE IMPROVEMENTS SHALL BE INSTALLED ACCORDING TO THESE PLANS AND SPECIFICATIONS AND APPROVED BY CURRITUCK COUNTY. YEARLY INSPECTIONS ARE REQUIRED AS PART OF THE STORMWATER PLAN. THE OWNER IS RESPONSIBLE FOR ALL MAINTENANCE REQUIRED. CURRITUCK COUNTY ASSUMES NO RESPONSIBILITY FOR THE DESIGN, MAINTENANCE, OR PERFORMANCE OF THE STORMWATER IMPROVEMENTS.

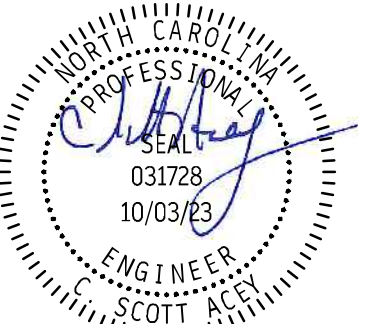
DATE _____ OWNER/AGENT _____

A STORMWATER MAINTENANCE AND ACCESS EASEMENT ACROSS ALL OPEN SPACE IS TO BE GRANTED TO LOTUS RIDGE HOMEOWNERS ASSOCIATION AND TO NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY (NCDEQ). NCDEQ WILL NOT ASSUME RESPONSIBILITY FOR MAINTENANCE OF STORMWATER APPURTENANCES. OPERATION AND MAINTENANCE REMAIN THE RESPONSIBILITY OF THE LOTUS RIDGE HOMEOWNERS ASSOCIATION, THEIR SUCCESSORS AND ASSIGNS.

THE FOLLOWING PERMITS ARE REQUIRED PRIOR TO PROJECT CONSTRUCTION:

PERMIT	AGENCY	REFERENCE NUMBER	DATE OF ISSUANCE
SEDIMENTATION AND EROSION CONTROL PERMIT	N.C.D.E.Q. – DIVISION OF LAND RESOURCES	–	–
STORMWATER MANAGEMENT PERMIT	N.C.D.E.Q. – DIVISION OF LAND RESOURCES	–	–
WATERLINE EXTENSION AUTHORIZATION TO CONSTRUCT	N.C.D.E.Q. – PUBLIC WATER SUPPLY	–	–
DRIVEWAY PERMIT	NCDOT	–	–
ENCROACHMENT AGREEMENT	NCDOT	–	–
CURRITUCK COUNTY PRELIMINARY PLAT & USE PERMIT	CURRITUCK COUNTY BOARD OF COMMISSIONERS	–	–
CURRITUCK COUNTY CONSTRUCTION AUTHORIZATION	CURRITUCK COUNTY PLANNING STAFF	–	–

C-001	TITLE SHEET
C-002	EXISTING CONDITIONS
C-003	SHEET INDEX
C-004	OVERALL LAYOUT PLAN
CD101	DEMOLITION, EROSION & SEDIMENT CONTROL PLAN
CG101	MASTER GRADING & DRAINAGE PLAN
CG102	MASTER GRADING & DRAINAGE PLAN
CG103	MASTER GRADING & DRAINAGE PLAN
CG104	MASTER GRADING & DRAINAGE PLAN
CG105	MASTER GRADING & DRAINAGE PLAN
CG106	MASTER GRADING & DRAINAGE PLAN
CG107	MASTER GRADING & DRAINAGE PLAN
CG108	STORM SEWER SCHEDULE
CS101	MASTER LAYOUT & UTILITY PLAN
CS102	MASTER LAYOUT & UTILITY PLAN
CS103	MASTER LAYOUT & UTILITY PLAN
CS104	MASTER LAYOUT & UTILITY PLAN
CS105	MASTER LAYOUT & UTILITY PLAN
CS106	MASTER LAYOUT & UTILITY PLAN
CS107	MASTER LAYOUT & UTILITY PLAN
CL101	MASTER LAYOUT & LANDSCAPING PLAN
CP101	PLAN & PROFILE
CP102	PLAN & PROFILE
CP103	PLAN & PROFILE
CP104	PLAN & PROFILE
CP105	PLAN & PROFILE
CP106	PLAN & PROFILE
CP107	PLAN & PROFILE
CP108	PLAN & PROFILE
CP109	PLAN & PROFILE
CP110	PLAN & PROFILE
CP111	PLAN & PROFILE
CP112	PLAN & PROFILE
CP113	PLAN & PROFILE
CP114	PLAN & PROFILE
CP115	PLAN & PROFILE
CP116	PLAN & PROFILE
CP117	PLAN & PROFILE
CP118	PLAN & PROFILE
CP119	PLAN & PROFILE
CP120	PLAN & PROFILE
C-501	DETAILS
C-502	DETAILS
C-503	DETAILS
C-504	EROSION AND SEDIMENT CONTROL NOTES & DETAILS
C-505	NGG01-GROUND STABILIZATION & MATERIALS HANDLING
C-506	NGG01-SELF INSPECTION, RECORDKEEPING & REPORTING



PLAN STATUS			LOTUS RIDGE
DATE	INITIAL	DESCRIPTION	
10/03/23	CSA	1st SUBMITTAL	C-001 1 of 47 Sheets PROJ. NO.: 23083

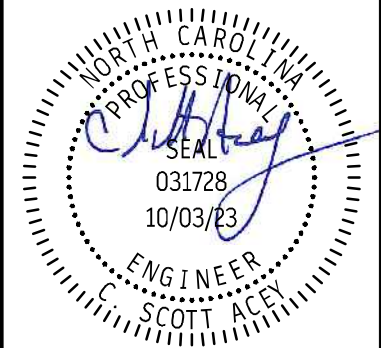
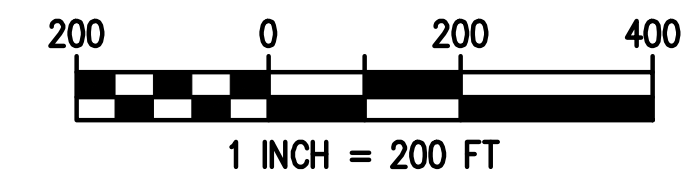
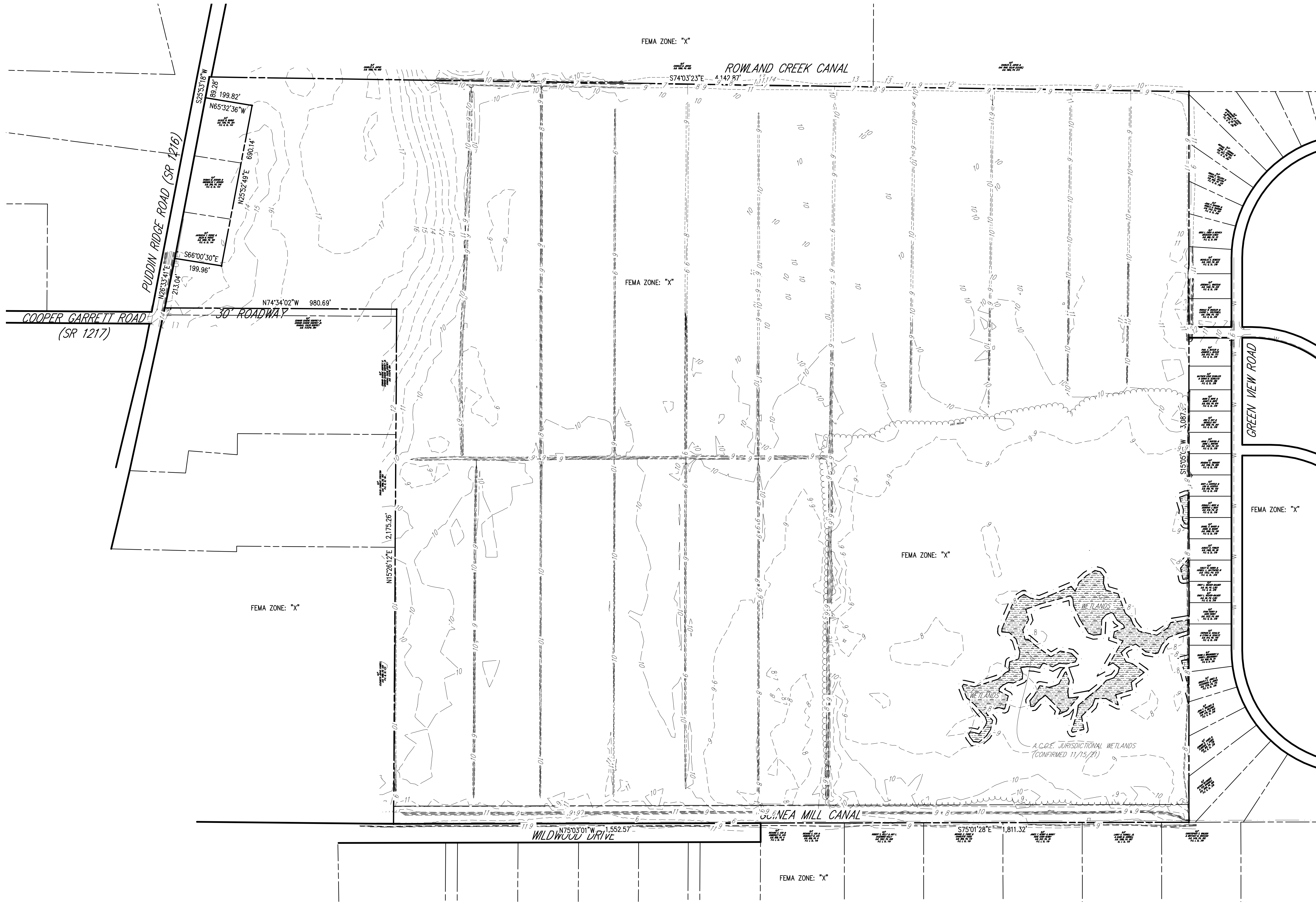
CIVIL LEGEND

EXISTING		NEW
○	MANHOLE	●
□	SANITARY CLEANOUT	■
○	VALVE	•
○	WATER METER	•
○	FIRE HYDRANT	+
○	WELL	+
○	DROP INLET	⊖
○	CURB INLET	⊖
○	GAS METER	⊖
○	POWER POLE	⊖
○	LIGHT POLE	⊖
○	LIGHT POLE /CONCRETE BASE	⊖
○	PEDESTAL	⊖
====	CURB AND GUTTER	====
-x-x-	FENCE	-x-x-
----	PROPERTY LINE	----
----	BUILDINGS	----
ST	STORM SEWER	ST
SS	SANITARY SEWER	SS
W	WATER	W
OHE-OHT	ELECTRIC & TELEPHONE LINE	OHE-OHT
UGC-UGT	TRAFFIC BOX	UGC-UGT
○	SIGN	○
○	TREE	○
○	BUSH	○
====	PAVEMENT	====
====	CONCRETE	====
⊕	TEMPORARY BENCHMARK (TBM)	⊕
10.00	ELEVATIONS	10.00
TC 10.50	TOP OF CURB ELEVATIONS	10.00
TW 10.50	TOP OF WALK ELEVATIONS	10.00
-X-X-	SILT FENCE	-X-X-
	UNLESS NOTED OTHERWISE	UNO

SURVEY LEGEND

SCM	SET CONCRETE MONUMENT
ECM	EXISTING CONCRETE MONUMENT
SIR	SET IRON ROD
EIR	EXISTING IRON ROD
EIP	EXISTING IRON PIPE
CP	CALCULATED POINT
M.B.L.	MAXIMUM BUILDING LIMIT
N.T.S.	NOT TO SCALE
P.C.	PLAT CABINET
D.B.	DEED BOOK
SL	SLIDE
SF	SQUARE FEET
AC	ACRES

NOTE:
EXISTING SITE INFORMATION DESCRIBED HEREON IS BELIEVED TO BE ACCURATE. HOWEVER, BPG INC. MAKES NO WARRANTY AS TO THE ACCURACY. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THIS INFORMATION BEFORE RELYING ON IT. THE CONTENT OF THESE DOCUMENTS MAY ALSO INCLUDE TECHNICAL INACCURACIES OR TYPOGRAPHICAL ERRORS. IF SUCH CONDITIONS EXIST, THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER PRIOR TO PROCEEDING WITH THE SCHEDULED WORK AND MAY CONTINUE AFTER AN AUTHORIZATION TO PROCEED HAS BEEN GRANTED.

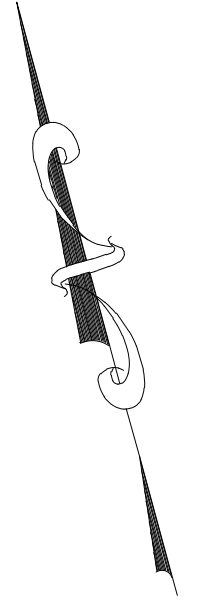
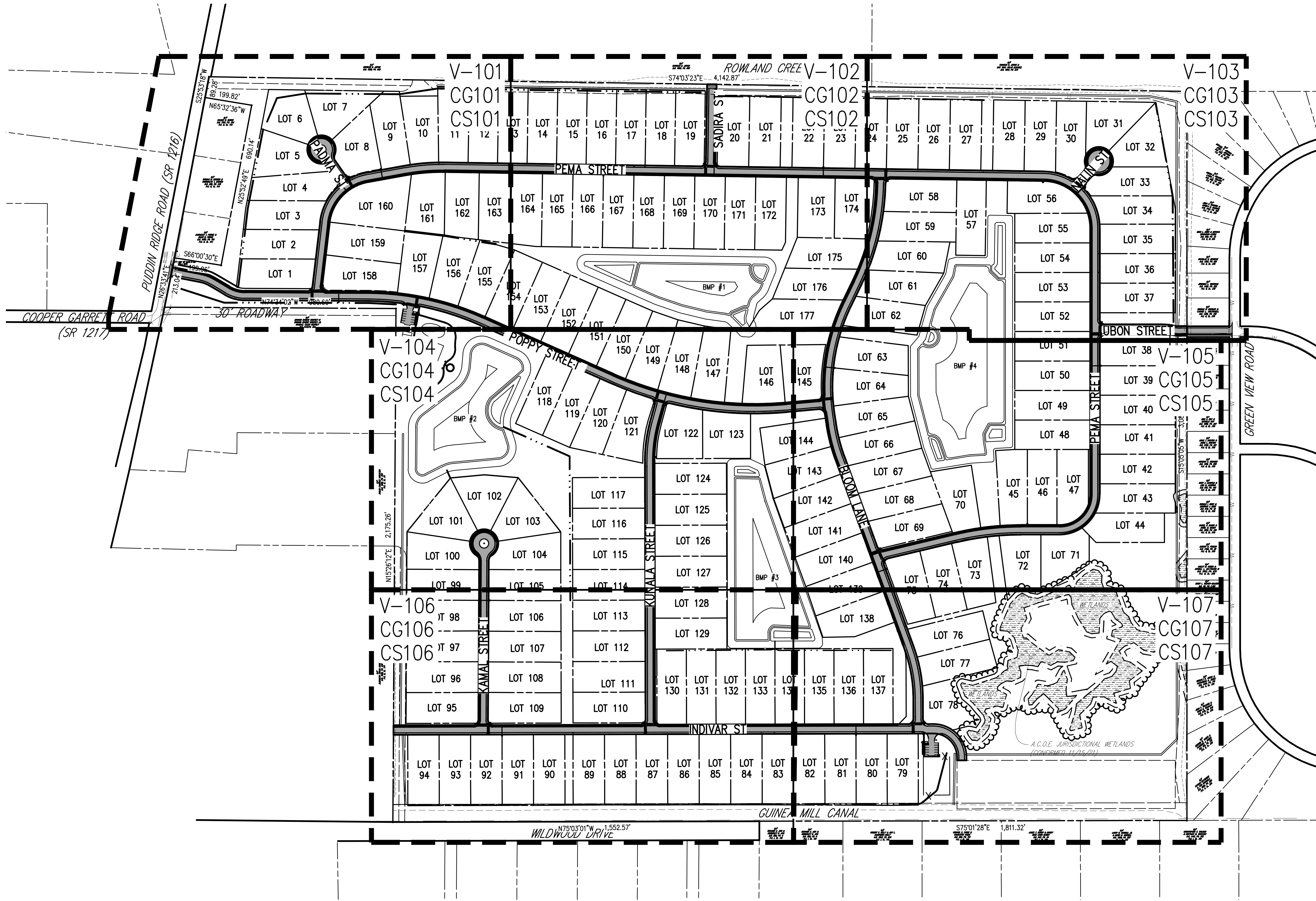


DESIGNED	RMS	LDU	DMW	CSA	DATE
DRAWN					10/03/23
CHECKED					
APPROVED					

NO.	REVISION	DATE	BY	DESCRIPTION

EXISTING CONDITIONS OF
LOTUS RIDGE
CURRITUCK COUNTY NORTH CAROLINA
MOYOCK TOWNSHIP

S:\projects\1794 Puddin Ridge - Justin\External References\Construction Drawings\17-14-23 Submittal Set\23083 Subdivision Planning [-03] - Tuesday November 14, 2023, 3:00pm



ENGINEERS | SCIENTISTS | SURVEYORS

5032 ROUSE DRIVE, SUITE 200 | VIRGINIA BEACH, VA 23462 | 757.490.9264 | MSAONLINE.COM



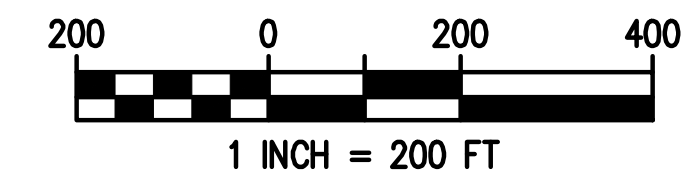
DESIGNED	RMS	LDU	DWJ	CSA	DATE
DRAWN					10/03/23
CHECKED					
APPROVED					

REVISION	NO.	DESCRIPTION

SHEET INDEX OF LOTUS RIDGE

MOYOCK TOWNSHIP
CURRITUCK COUNTY NORTH CAROLINA

SHEET C-003
3 of 47 Sheets
SCALE: 1"=200'
PROJ. NO.: 23083

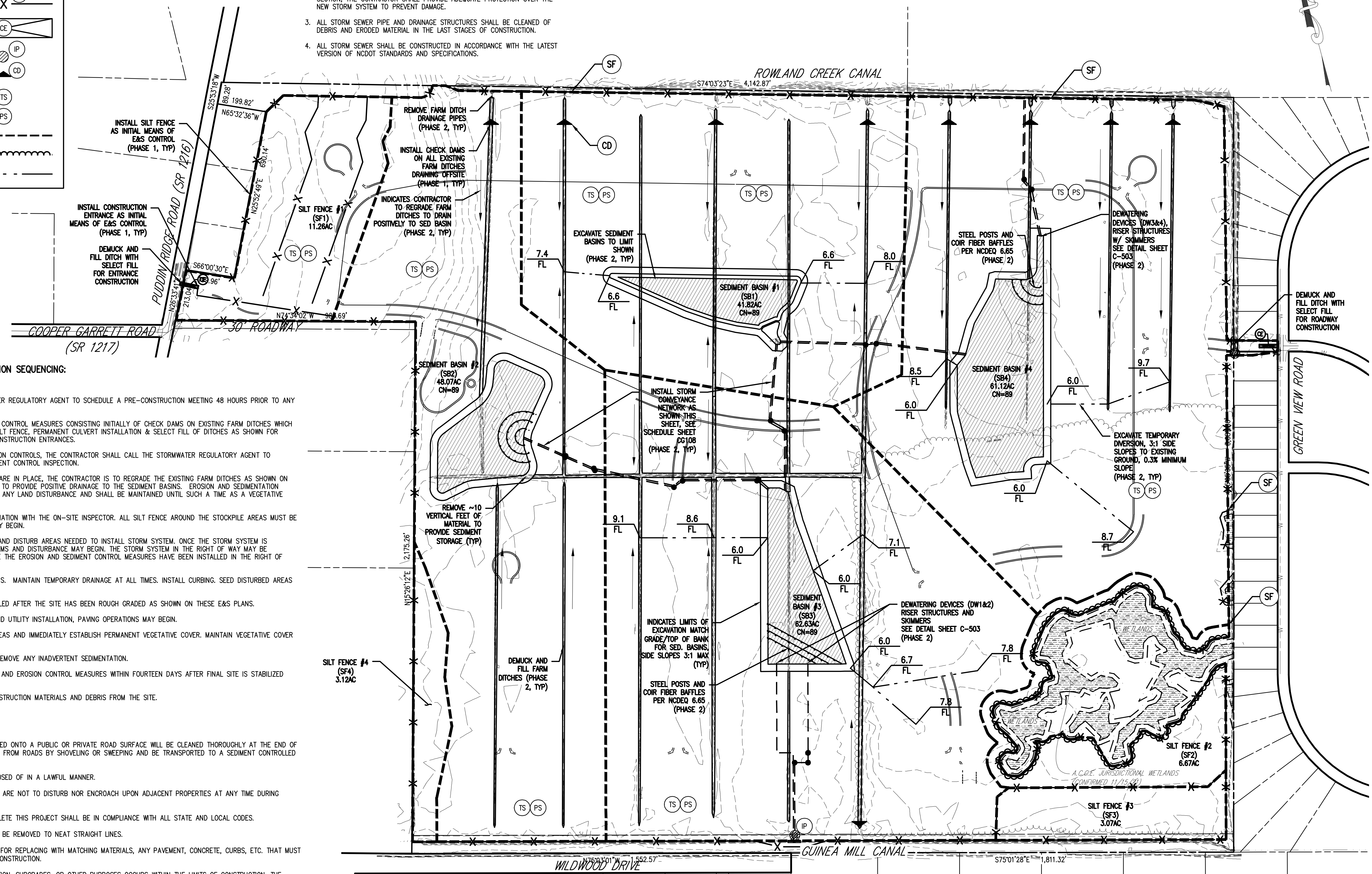


EROSION CONTROL LEGEND

DESCRIPTION	SYMBOL
SILT FENCE (6.62)	
CONSTRUCTION ENTRANCE	
INLET PROTECTION (6.51)	
ROCK DAM (6.63)	
TEMPORARY SEEDING (6.10)	
PERMANENT SEEDING (6.11)	
E&S CONTROL DELINEATION/ ROUGH GRADE HIGH POINT	
LIMITS OF TREE CLEARING/ TREE PROTECTION	
TEMPORARY DIVERSION (6.20)	

STORM SEWER/BMP NOTES:

1. ALL STORM PIPE JOINTS AND CONNECTIONS MUST BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER, ASTM, AND NCDOT PROVISIONS, SPECIFICATIONS AND STANDARDS SO AS TO BE SOIL TIGHT AND LEAK RESISTANT.
2. DURING CONSTRUCTION AND PRIOR TO INSTALLATION OF THE FULL PAVEMENT SECTION, THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION OVER THE NEW STORM SYSTEM TO PREVENT DAMAGE.
3. ALL STORM SEWER PIPE AND DRAINAGE STRUCTURES SHALL BE CLEANED OF DEBRIS AND ERODED MATERIAL IN THE LAST STAGES OF CONSTRUCTION.
4. ALL STORM SEWER SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST VERSION OF NCDOT STANDARDS AND SPECIFICATIONS.



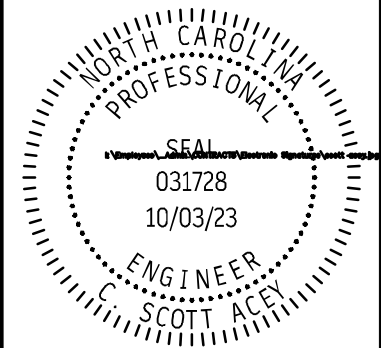
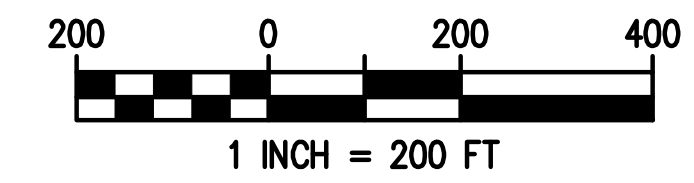
EROSION CONTROL AND CONSTRUCTION SEQUENCING:

1. ACQUIRE NECESSARY PERMITS.
2. CONTRACTOR SHALL CALL THE STORMWATER REGULATORY AGENT TO SCHEDULE A PRE-CONSTRUCTION MEETING 48 HOURS PRIOR TO ANY LAND DISTURBANCE.
3. INSTALL PHASE 1 EROSION AND SEDIMENT CONTROL MEASURES CONSISTING OF CHECK DAMS ON EXISTING FARM DITCHES CURRENTLY OUTFALL TO EITHER CREEK, SILT FENCE, PERMANENT CULVERT INSTALLATION & SELECT FILL OF DITCHES AS SHOWN FOR ROADWAY CONSTRUCTION, AS WELL AS CONSTRUCTION ENTRANCES.
4. AFTER INSTALLATION OF PERIMETER EROSION CONTROLS, THE CONTRACTOR SHALL CALL THE STORMWATER REGULATORY AGENT TO SCHEDULE AN INITIAL EROSION AND SEDIMENT CONTROL INSPECTION.
5. ONCE THE CHECK DAMS AND SILT FENCE ARE IN PLACE, THE CONTRACTOR IS TO REGRADE THE EXISTING FARM DITCHES AS SHOWN ON THE EROSION & SEDIMENT CONTROL PLAN TO PROVIDE POSITIVE DRAINAGE TO THE SEDIMENT BASINS. EROSION AND SEDIMENTATION CONTROLS SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBANCE AND SHALL BE MAINTAINED UNTIL SUCH A TIME AS A VEGETATIVE COVER IS ESTABLISHED.
6. SPOIL STOCK PILING SHALL BE IN COORDINATION WITH THE ON-SITE INSPECTOR. ALL SILT FENCE AROUND THE STOCKPILE AREAS MUST BE IN PLACE BEFORE ANY EARTH MOVING MAY BEGIN.
7. INSTALL STORM SYSTEM. ONLY DEMOLISH AND DISTURB AREAS NEEDED TO INSTALL STORM SYSTEM. ONCE THE STORM SYSTEM IS INSTALLED, THE REMAINING DEMOLITION ITEMS AND DISTURBANCE MAY BEGIN. THE STORM SYSTEM IN THE RIGHT OF WAY MAY BE INSTALLED AT ANY TIME, BUT NOT BEFORE THE EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED IN THE RIGHT OF WAY.
8. ROUGH GRADE IN ACCORDANCE WITH PLANS. MAINTAIN TEMPORARY DRAINAGE AT ALL TIMES. INSTALL CURBING. SEED DISTURBED AREAS IMMEDIATELY AFTER GRADING.
9. THE SITE WATER UTILITIES MAY BE INSTALLED AFTER THE SITE HAS BEEN ROUGH GRADED AS SHOWN ON THESE E&S PLANS.
10. UPON COMPLETION OF ROUGH GRADING AND UTILITY INSTALLATION, PAVING OPERATIONS MAY BEGIN.
11. DRESS AND OVERSEED ALL DISTURBED AREAS AND IMMEDIATELY ESTABLISH PERMANENT VEGETATIVE COVER. MAINTAIN VEGETATIVE COVER THROUGHOUT DURATION OF PROJECT.
12. REPAIR ANY INADVERTENT EROSION AND REMOVE ANY INADVERTENT SEDIMENTATION.
13. REMOVE REMAINING TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES WITHIN FOURTEEN DAYS AFTER FINAL SITE IS STABILIZED WITH VEGETATIVE GROWTH.
14. REMOVE ALL TEMPORARY EQUIPMENT, CONSTRUCTION MATERIALS AND DEBRIS FROM THE SITE.

E&S/DEMO NOTES:

1. ANY AND ALL MATERIAL OR DEBRIS TRACKED ONTO A PUBLIC OR PRIVATE ROAD SURFACE WILL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM ROADS BY SHOVELING OR SWEEPING AND BE TRANSPORTED TO A SEDIMENT CONTROLLED DISPOSAL AREA.
2. ALL EXCAVATED MATERIAL SHALL BE DISPOSED OF IN A LAWFUL MANNER.
3. DEMOLITION AND CONSTRUCTION ACTIVITIES ARE NOT TO DISTURB NOR ENCRUCH UPON ADJACENT PROPERTIES AT ANY TIME DURING CONSTRUCTION.
4. ALL ITEMS OF WORK NECESSARY TO COMPLETE THIS PROJECT SHALL BE IN COMPLIANCE WITH ALL STATE AND LOCAL CODES.
5. ANY PAVEMENT REMOVAL REQUIRED SHALL BE REMOVED TO NEAT STRAIGHT LINES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING WITH MATCHING MATERIALS, ANY PAVEMENT, CONCRETE, CURBS, ETC. THAT MUST BE CUT OR THAT ARE DAMAGED DURING CONSTRUCTION.
7. WHEN UNSUITABLE MATERIAL FOR FOUNDATION, SUBGRADES, OR OTHER PURPOSES OCCURS WITHIN THE LIMITS OF CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE SUCH MATERIAL AND BACKFILL WITH APPROVED SUITABLE MATERIAL. THE EXTENT OF UNDERCUTTING AND BACKFILLING TO BE DETERMINED BY THE OWNER'S SOILS ENGINEERING CONSULTANT.
8. ANY TREE ROOT BALL REMOVAL MUST IMMEDIATELY BE FOLLOWED BY BACKFILLING, STABILIZATION, AND SEEDING.
9. THE CONTRACTOR SHALL INSTALL "TRUCKS ENTERING HIGHWAY" (48"x48" ORANGE AND BLACK) WARNING SIGNS ON 6"x6" WOODEN GROUND MOUNTED POSTS. THESE SIGNS WILL BE INSTALLED 500 FEET IN ADVANCE OF ALL APPROVED CONSTRUCTION ACCESS/ENTRANCE POINTS.
10. DURING CONSTRUCTION THE CONTRACTOR SHALL PROVIDE ADEQUATE CONVEYANCE OF RUNOFF TO ENSURE PONDING DOES NOT OCCUR AND SEDIMENT LADEN WATER DOES NOT LEAVE THE SITE.
11. THE INTERCONNECTED STORMWATER PIPE SYSTEM MUST BE CLEANED OF SEDIMENT AFTER ALL UPSTREAM DISTURBANCE HAS TAKEN PLACE, AND IS PERMANENTLY STABILIZED OR AT THE CIVIL INSPECTOR'S DISCRETION.
12. ALL TEMPORARY SWALES SHALL BE VEE-SHAPED AND HAVE A MAX 3:1 SIDE SLOPE. STABILIZE IMMEDIATELY FOLLOWING INSTALLATION WITH TEMPORARY OR PERMANENT VEGETATION.
13. DURING CONSTRUCTION, THE POND WILL BE UTILIZED AS AN EROSION & SEDIMENT CONTROL SEDIMENT BASIN. THE OUTLET STRUCTURE WILL ALSO REQUIRE SURFACE SKIMMER DEVICES AS DETAILED. ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS PROPERLY STABILIZED THE PONDS SHALL BE CLEANED AND RESTORED TO ITS DESIGN SPECIFICATIONS AND THE BANKS PERMANENTLY STABILIZED WITHIN 7 DAYS.

SEE SHEET CG108 FOR STORM SEWER SCHEDULE

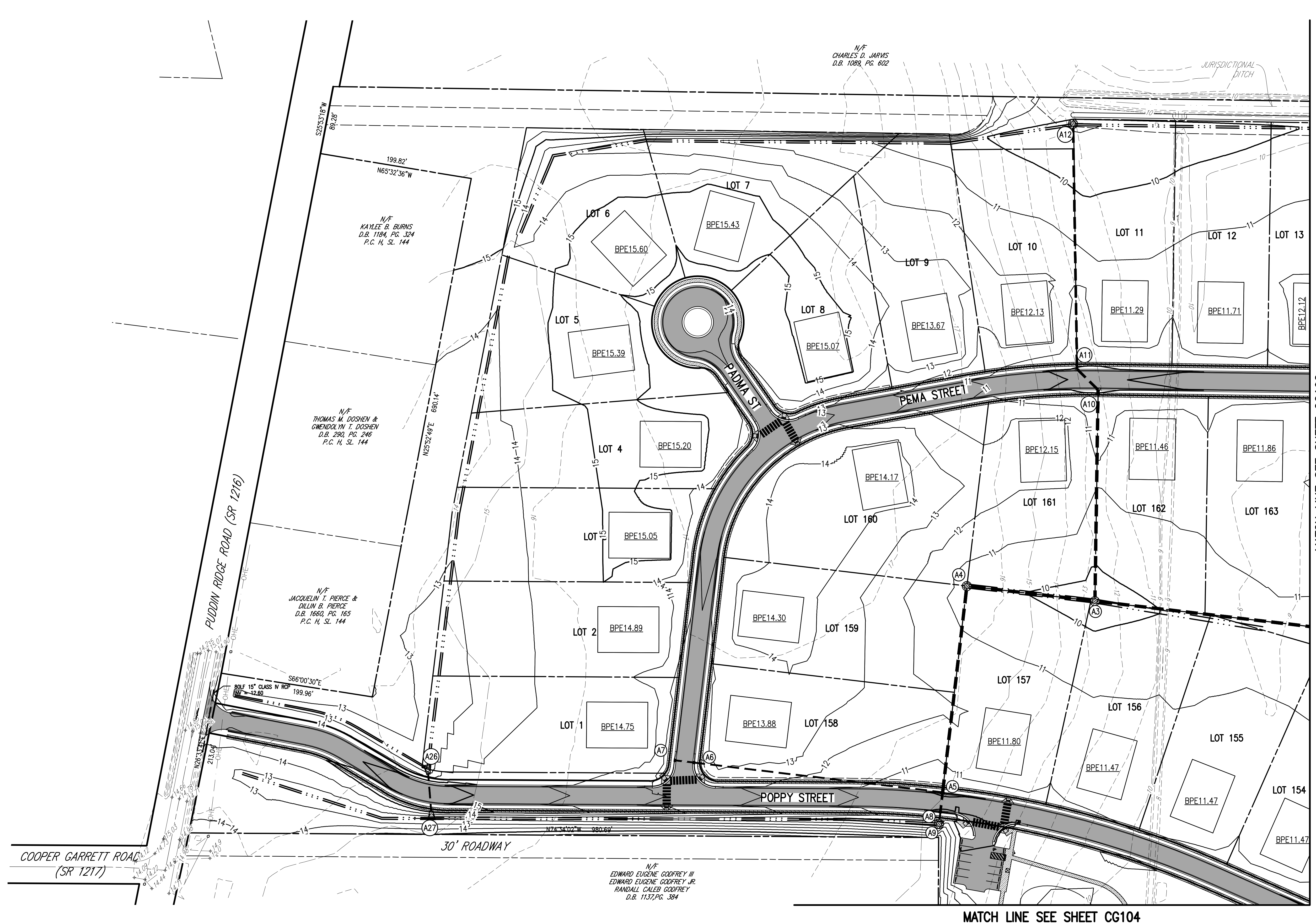


DESIGNED	RMS	LDU	DMW	CSA	DATE
DRAWN					10/03/23
CHECKED					
APPROVED					

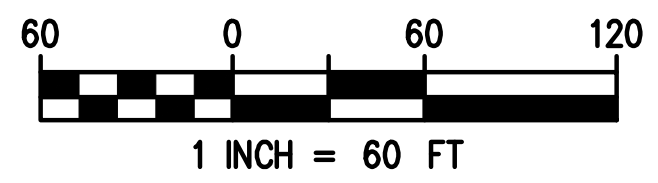
REVISION	NO.	DESCRIPTION

S:\projects\1704 Puddin Ridge - Justin\External References\Construction Drawings\11-14-23\Submitted Set\23083 E&S Overall.dwg [CD101] - Tuesday, November 14, 2023, 3:01pm

S:\Projects\1794 Puddin Ridge - Justin\External References\Continuation Drawings\11-14-23\Submitted Set\23083 Subdivision Plan.dwg [05/01] - Tuesday, November 14, 2023, 3:01pm

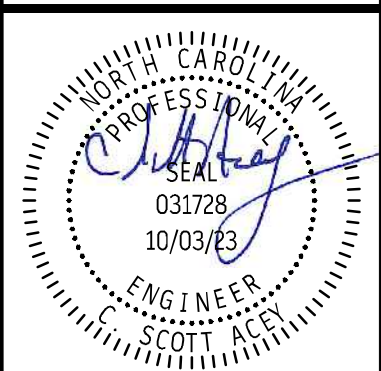


SEE SHEET CG108 FOR
STORM SEWER SCHEDULE



MATCH LINE SEE SHEET CG102

MATCH LINE SEE SHEET CG104



DESIGNED	RWS
DRAWN	LDJ
CHECKED	DMW
APPROVED	CSA
DATE	10/03/23

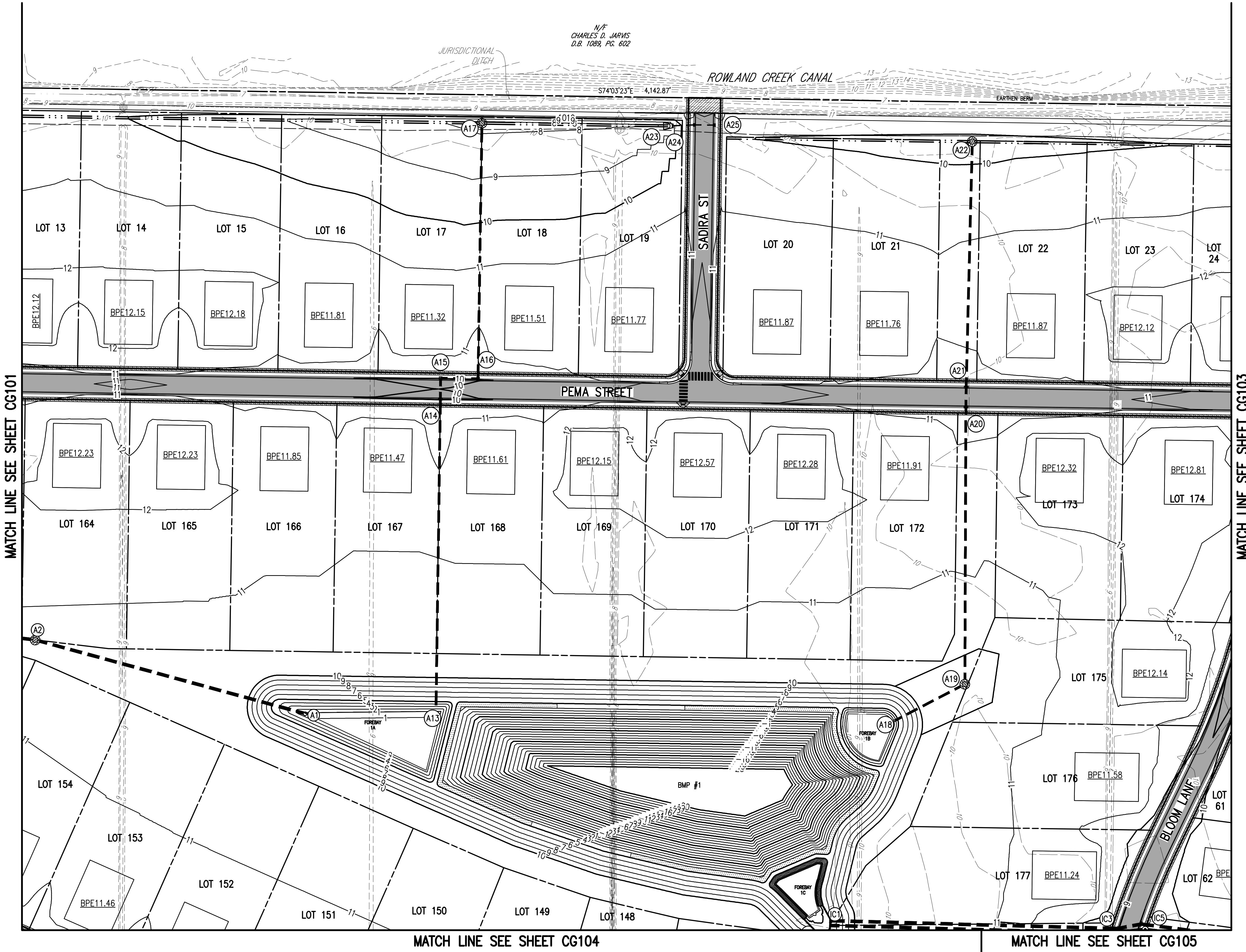
NO.	REVISION	DATE

MASTER GRADING & DRAINAGE PLAN
OF
LOTUS RIDGE
CURRITUCK COUNTY NORTH CAROLINA
MOYOCK TOWNSHIP

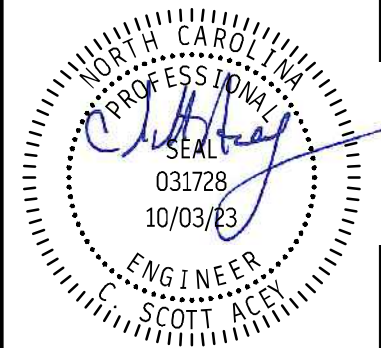
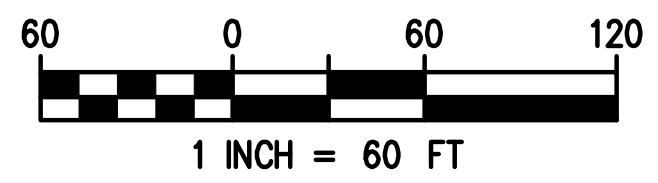
SHEET
CG101
6 of 47 Sheets
SCALE: 1"=60'
PROJ. NO.: 23083

MSA
ENGINEERS | SCIENTISTS | SURVEYORS
5032 ROUSE DRIVE, SUITE 200 | VIRGINIA BEACH, VA 23462 | 757.490.9264 | MSAONLINE.COM

S:\projects\1794_Puddin_Ridge - Justin\External References\Construction Drawings\11-14-23 Submittal Set\23083 Subdivision Planning [CG102] - Tuesday November 14, 2023, 3:07pm



SEE SHEET CG108 FOR STORM SEWER SCHEDULE

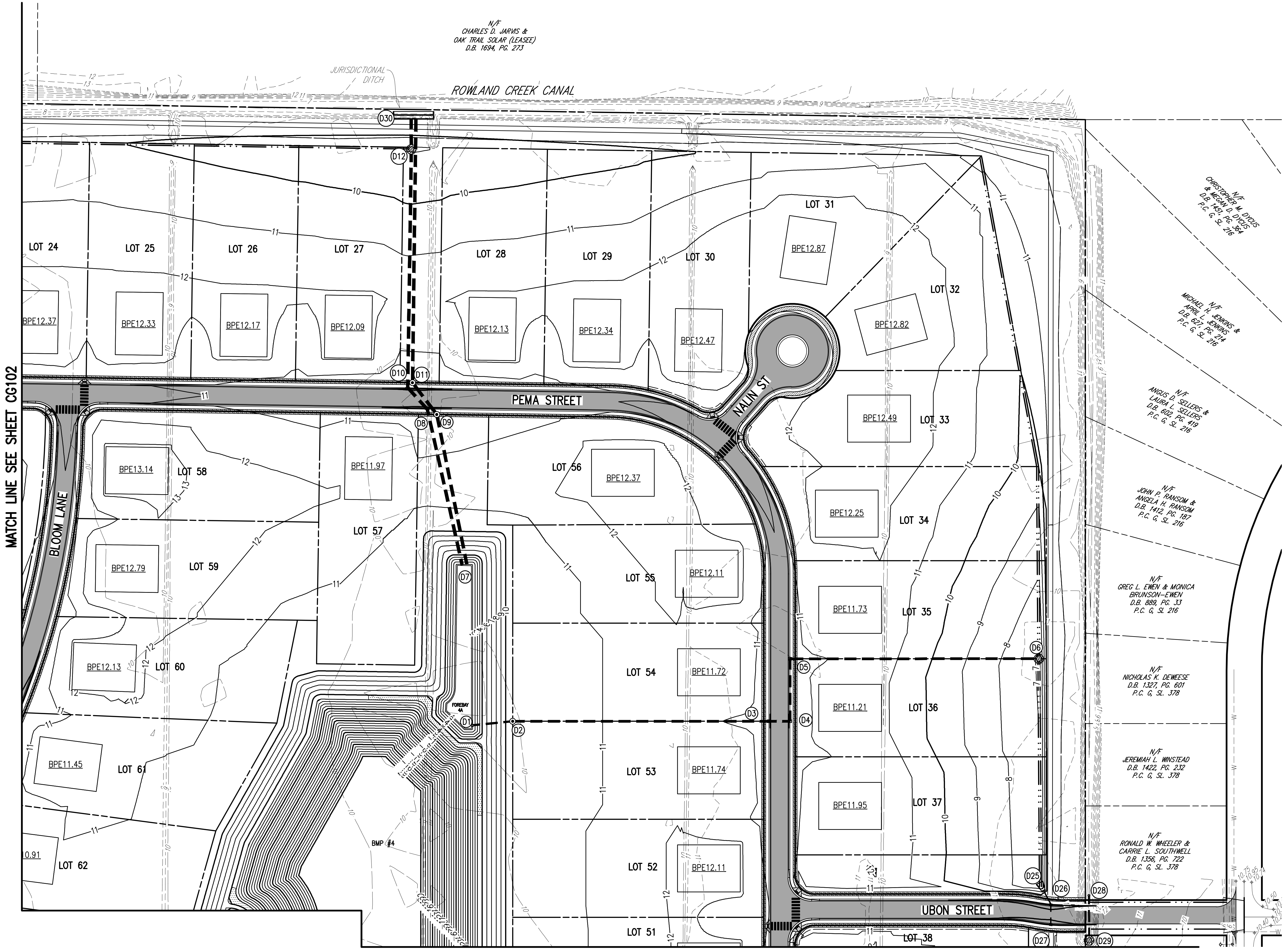


DESIGNED	RWS	LDJ	DMW	CSA	DATE
DRAWN					10/03/23
CHECKED					
APPROVED					

REVISION	NO.	DESCRIPTION

MASTER GRADING & DRAINAGE PLAN
 OF
LOTUS RIDGE
 CURRITUCK COUNTY NORTH CAROLINA
 MOYOCK TOWNSHIP

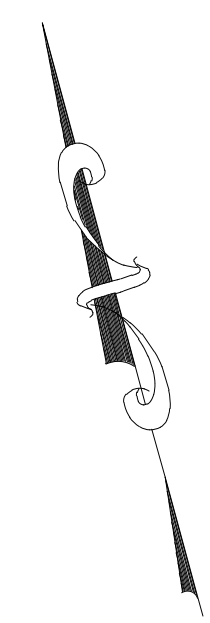
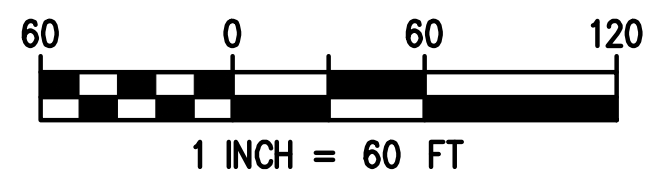
S:\projects\1794_Puddin_Ridge - Justin\External References\Construction Drawings\11-14-23 Submittal Set\23083 Subdivision Plan.dwg [0103] - Tuesday, November 14, 2023, 3:01pm



MATCH LINE SEE SHEET CG102

MATCH LINE SEE SHEET CG105

SEE SHEET CG108 FOR
STORM SEWER SCHEDULE



N/F
CHARLES D. JARVIS &
OAK TRAIL SOLAR (LEASEE)
D.B. 1694, PG. 273

N/F
CHRISTOPHER H. DODDS
& KEVIN D. DODDS
D.B. 151, PG. 84
P.C. G. SL. 216

N/F
MICHAEL H. JENKINS &
APRIL L. JENKINS
D.B. 827, PG. 214
P.C. G. SL. 216

N/F
ANGUS D. SELLERS &
CAIYU L. SELLERS
D.B. 682, PG. 419
P.C. G. SL. 216

N/F
JOHN F. RANSON &
ANGELA H. RANSON
D.B. 1412, PG. 197
P.C. G. SL. 216

N/F
GREG L. EWEN & MONICA
BRUNSON-EWEN
D.B. 889, PG. 33
P.C. G. SL. 216

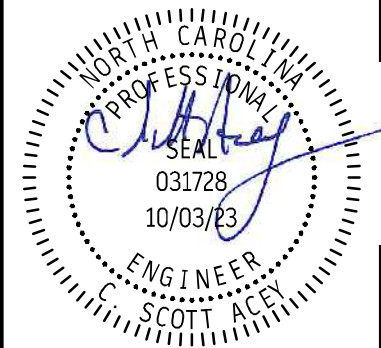
N/F
NICHOLAS K. DEWEESE
D.B. 1327, PG. 601
P.C. G. SL. 378

N/F
JEREMIAH L. WINSTEAD
D.B. 1422, PG. 232
P.C. G. SL. 378

N/F
RONALD W. WHEELER &
CARRIE L. SOUTHWELL
D.B. 1356, PG. 722
P.C. G. SL. 378



5032 ROUSE DRIVE, SUITE 200 | VIRGINIA BEACH, VA 23462 | 757.490.9264 | MSAONLINE.COM



DESIGNED	RWS	LDU	DWJ	CSA	DATE
DRAWN					10/03/23
CHECKED					
APPROVED					

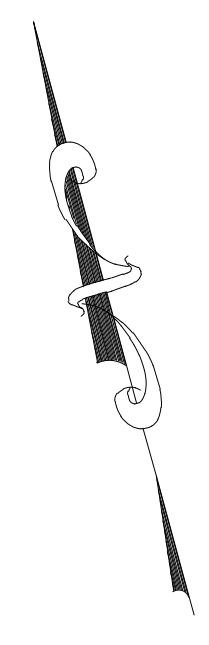
REVISION	DATE	DESCRIPTION

MASTER GRADING & DRAINAGE PLAN
OF
LOTUS RIDGE
CURRITUCK COUNTY NORTH CAROLINA

MOYOCK TOWNSHIP

SHEET
CG103
8 of 47 Sheets
SCALE: 1"=60'
PROJ. NO.: 23083

S:\projects\1794 Puddin Ridge - Justin\External References\Continuation Drawings\11-14-23 Submittal Set\23083 Subdivision Planning [CG104] - Tuesday November 14, 2023, 3:01pm



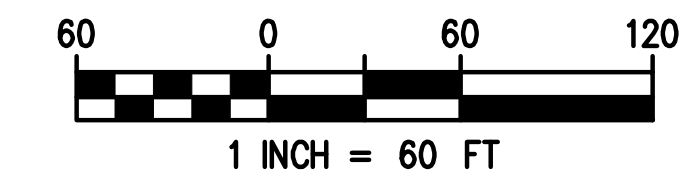
MATCH LINE SEE SHEET CG101

MATCH LINE SEE SHEET CG102



MATCH LINE SEE SHEET CG106

SEE SHEET CG108 FOR STORM SEWER SCHEDULE



MATCH LINE SEE SHEET CG105

MSA
ENGINEERS | SCIENTISTS | SURVEYORS
5032 ROUSE DRIVE, SUITE 200 | VIRGINIA BEACH, VA 23462 | 757.490.9264 | MSAONLINE.COM

PROFESSIONAL ENGINEER
SCOTT E. SCOTT
031728
10/03/23

DESIGNED	RMS
DRAWN	LDJ
CHECKED	DMW
APPROVED	CSA
DATE	10/03/23

REVISIONS

NO.	DESCRIPTION	DATE

MASTER GRADING & DRAINAGE PLAN
OF
LOTUS RIDGE

MOYOCK TOWNSHIP
CURRITUCK COUNTY NORTH CAROLINA

SHEET
CG104
9 of 47 Sheets
SCALE: 1"=60'
PROJ. NO.: 23083

S:\projects\1794_Puddin_Ridge - Justin\External References\Continuation Drawings\11-14-23_Submitted_Sett\23083_Subdivision_Planning [03105] - Tuesday November 14, 2023, 3:07pm

MATCH LINE SEE SHEET CG104

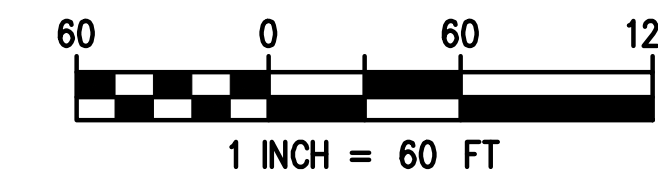
MATCH LINE SEE SHEET CG102

MATCH LINE SEE SHEET CG103

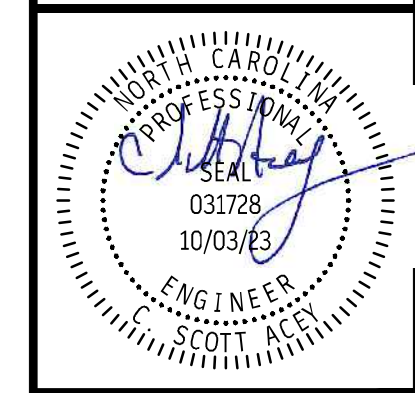
MATCH LINE SEE SHEET CG107



SEE SHEET CG108 FOR STORM SEWER SCHEDULE



MSA
 ENGINEERS | SCIENTISTS | SURVEYORS
 5032 ROUSE DRIVE, SUITE 200 | VIRGINIA BEACH, VA 23462 | 757.490.9264 | MSAONLINE.COM



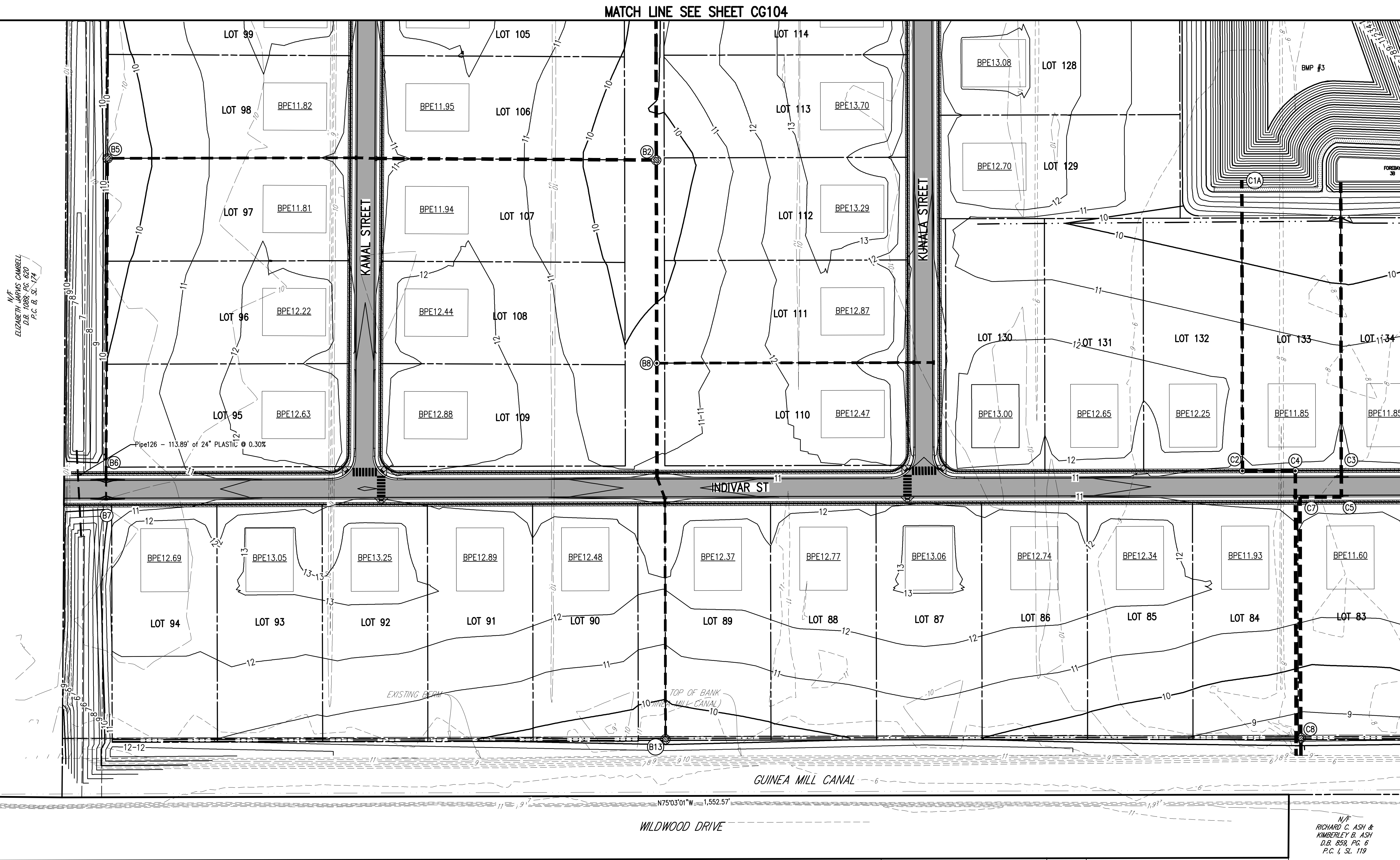
DESIGNED	RWS	LDJ	DWJ	CSA	DATE
DRAWN					10/03/23
CHECKED					
APPROVED					

REVISION	NO.	DESCRIPTION

MASTER GRADING & DRAINAGE PLAN
 OF
LOTUS RIDGE
 CURRITUCK COUNTY NORTH CAROLINA
 MOYOCK TOWNSHIP

SHEET
CG105
 10 of 47 Sheets
 SCALE: 1"=60'
 PROJ. NO.: 23083

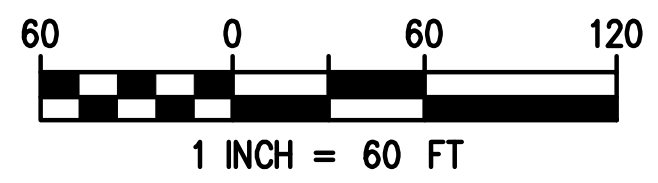
S:\projects\1794_Puddin_Ridge - Justin\External References\Construction Drawings\11-14-23 Submittal Set\23083 Subdivision Planning [05166] - Tuesday November 14, 2023, 3:01pm



MATCH LINE SEE SHEET CG104

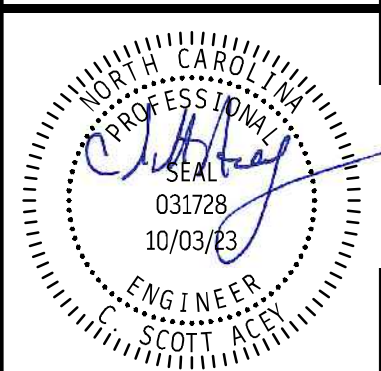
M/E
ELIZABETH MARAS GAMBELL
D.B. 1089, PG. 620
P.C. 1, SL. 174

SEE SHEET CG108 FOR
STORM SEWER SCHEDULE



MATCH LINE SEE SHEET CG107

PROJECT: LOTUS RIDGE
SHEET: CG106
11 of 47 Sheets
SCALE: 1"=60'
PROJ. NO.: 23083

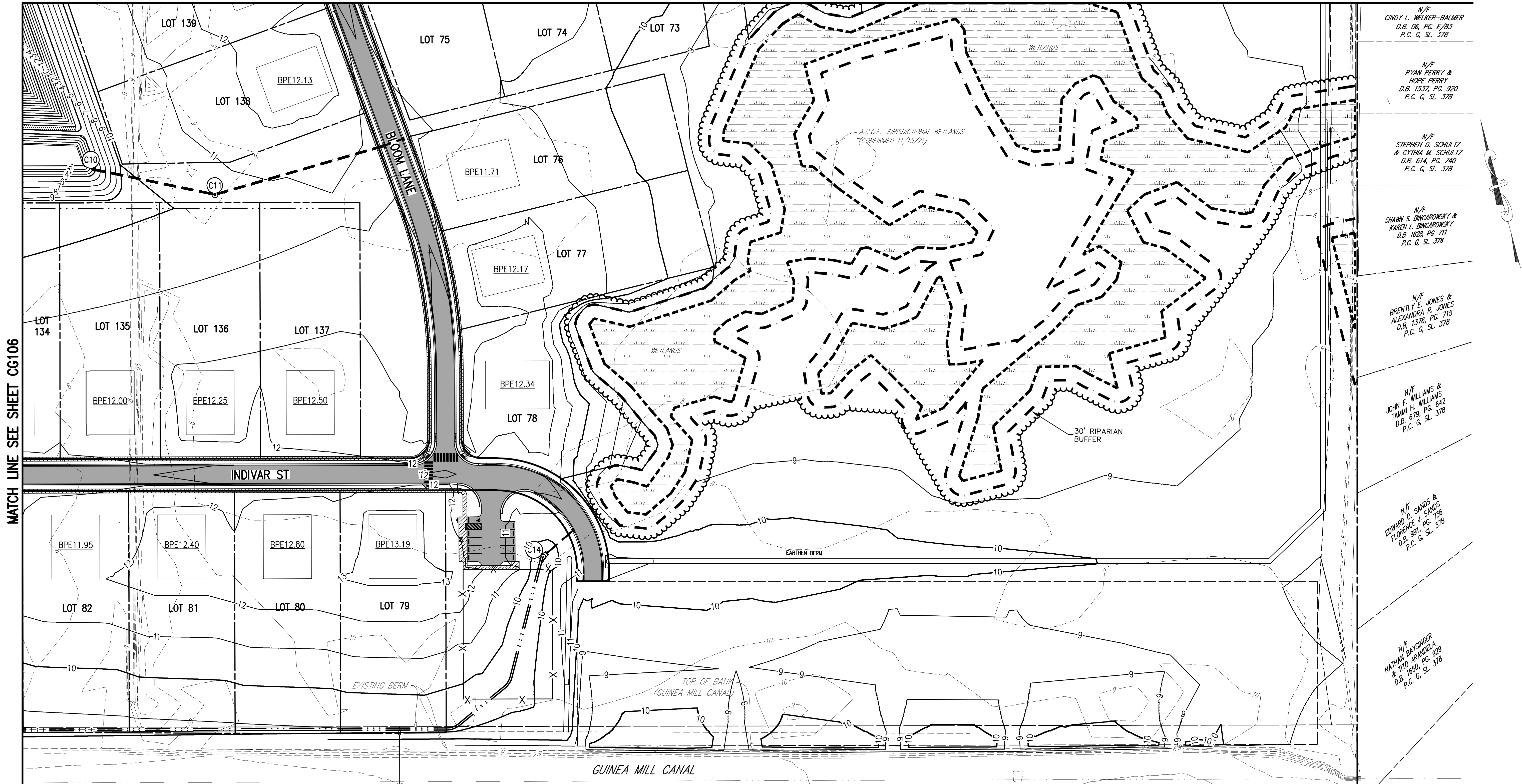


DESIGNED	RWS
DRAWN	LDJ
CHECKED	DWJ
APPROVED	CSA
DATE	10/03/23

MASTER GRADING & DRAINAGE PLAN
OF
LOTUS RIDGE
CURRITUCK COUNTY NORTH CAROLINA

MOYOCK TOWNSHIP

MATCH LINE SEE SHEET CG105



MATCH LINE SEE SHEET CG106

N/F
CINDY L. MELKER-BALMER
D.B. 06, PG. E/83
P.C. G, SL. 378

N/F
RYAN PERRY &
HOPE PERRY
D.B. 1537, PG. 920
P.C. G, SL. 378

N/F
STEPHEN D. SCHULTZ
& CYNTHIA M. SCHULTZ
D.B. 614, PG. 740
P.C. G, SL. 378

N/F
SHAWN S. BINCAROWSKY &
KAREN L. BINCAROWSKY
D.B. 1628, PG. 711
P.C. G, SL. 378

N/F
BRENTLY E. JONES &
ALEXANDRA R. JONES
D.B. 1376, PG. 715
P.C. G, SL. 378

N/F
JOHN F. WILLIAMS &
TAMMI H. WILLIAMS
D.B. 679, PG. 642
P.C. G, SL. 378

N/F
EDWARD O. SANDS &
FLORENCE J. SANDS
D.B. 891, PG. 736
P.C. G, SL. 378

N/F
NATHAN BAYSMEER
& TITO BRANDELL
D.B. 1650, PG. 829
P.C. G, SL. 378

N/F
CHRISTOPHER S. WHILDEN
& BRITTANY M. WHITLOCK
D.B. 1416, PG. 302
P.C. I, SL. 316

N/F
RICHARD C. ASH &
KIMBERLEY D. ASH
D.B. 859, PG. 6
P.C. I, SL. 119

N/F
ROBERT S. KELLY & AMY L.
SAUERBREI-KELLY
D.B. 1567, PG. 839
P.C. I, SL. 119

75' DEDICATED MAINTENANCE
EASEMENT TO CURRITUCK CO.
(D.B. 499, PG. 342)

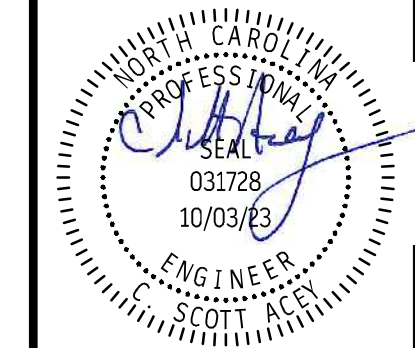
N/F
MICHAEL E. SVEDE &
CHARLOTTE SVEDE
D.B. 869, PG. 115
P.C. I, SL. 119

N/F
JAMES T. NEWBY & MANDY
RENE COOK-NEWBY
D.B. 947, PG. 34
P.C. I, SL. 119

N/F
LARRY G. HORRELL JR.
& DAMN M. HORRELL
D.B. 1289, PG. 287
SL. I, SL. 119

N/F
CHRISTOPHER S. WHILDEN
& BRITTANY M. WHITLOCK
D.B. 1416, PG. 302
P.C. I, SL. 316

MSA
ENGINEERS | SCIENTISTS | SURVEYORS
5032 ROUSE DRIVE, SUITE 200 | VIRGINIA BEACH, VA 23462 | 757.490.0264 | MSAONLINE.COM

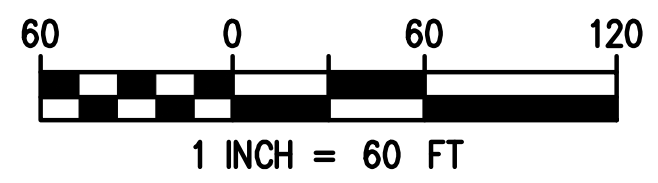


DESIGNED	RWS	LDU	DMW	CSA	DATE
DRAWN					10/03/23
CHECKED					
APPROVED					

REVISION	NO.	DATE	DESCRIPTION

MASTER GRADING & DRAINAGE PLAN
OF
LOTUS RIDGE
CURRITUCK COUNTY NORTH CAROLINA
MOYOCK TOWNSHIP

SEE SHEET CG108 FOR
STORM SEWER SCHEDULE



SHEET
CG107
12 of 47 Sheets
SCALE: 1"=60'
PROJ. NO.: 23083

S:\projects\1794_Puddin_Ridge - Justin\External References\Construction Drawings\11-14-23 Submittal Set\23083 Subdivision Planning [CG107] - Tuesday November 14, 2023, 3:07pm

STORM PIPE SPECIFICATIONS

HDPE
PIPE SHALL BE HIGH-DENSITY POLYETHYLENE, DUAL WALL, CORRUGATED EXTERIOR, SMOOTH INTERIOR, WATER TIGHT JOINT, INSTALLED PER LATEST NCDOT STD. 300.01 FOR FLEXIBLE PIPE. (ADS N-12 WT LB, OR APPROVED EQUAL)

HP (PLASTIC)
PIPE SHALL BE POLYPROPYLENE, DUAL WALL, CORRUGATED EXTERIOR, SMOOTH INTERIOR, WATER TIGHT JOINT, INSTALLED PER LATEST NCDOT STD. 300.01 FOR FLEXIBLE PIPE. (ADS HP STORM, OR APPROVED EQUAL)

STORM STRUCTURE SPECIFICATIONS

BOX
BOX CATCH BASIN AND DROP INLET DRAINAGE STRUCTURES SHALL BE TRAFFIC BEARING PRECAST CONCRETE PER LATEST NCDOT STD. 840.46. CATCH BASIN FRAME, GRATE & HOOD SHALL BE LATEST NCDOT 840.03. DROP INLET FRAME & GRADE SHALL BE LATEST NCDOT 840.16 (SEE DETAILS PROVIDED THIS SET)

* INDICATES STORM STRUCTURES TO BE INSTALLED AS PART OF E&S PHASE 2
PROVIDE ADEQUATE STONE COVER OVER PIPES PER NCDOT STANDARDS

PROPOSED STORM SEWER PIPE TABLE. Columns: STRUCTURE TO STRUCTURE, LENGTH - SIZE/TYPE @ SLOPE. Rows: A2 TO A1, A3 TO A2, A4 TO A3, A5 TO A4, A5 TO A8, A6 TO A5, A7 TO A6, A8 TO A9, A10 TO A3, A11 TO A10, A12 TO A11, A14 TO A13, A15 TO A14, A16 TO A15, A17 TO A16, A19 TO A18, A20 TO A19, A21 TO A20, A22 TO A21, A24 TO A23, A25 TO A24, A26 TO A27, B1 TO IC23, B2 TO B1, B3 TO B2, B4 TO B3, B5 TO B4, B6 TO B5, B7 TO B6, B8 TO B2, B9 TO B8, B10 TO B9, B12 TO B11, B13 TO B12, B14 TO IC25, B15 TO B14, C1A TO C2, C2 TO C4, C3 TO C1, C3 TO C5, C6 TO C4, C7 TO C5, C8 TO C7, C9 TO C6, C11 TO C10, C12 TO C11, C13 TO C12, C14 TO C15.

PROPOSED STORM SEWER PIPE TABLE. Columns: STRUCTURE TO STRUCTURE, LENGTH - SIZE/TYPE @ SLOPE. Rows: D2 TO D1, D3 TO D2, D4 TO D3, D5 TO D4, D6 TO D5, D8 TO D7, D9 TO D7, D10 TO D8, D11 TO D9, D12 TO D10, D12 TO D30, D14 TO D13, D15 TO D14, D16 TO D15, D17 TO D16, D19 TO D18, D20 TO D19, D21 TO D20, D23 TO D22, D24 TO D23, D26 TO D25, D27 TO D26, D29 TO D28, D30 TO D11, IC1 TO IC4, IC2 TO IC8, IC3 TO IC1, IC3 TO IC5, IC4 TO IC6, IC5 TO IC7, IC6 TO IC7, IC8 TO IC10, IC9 TO IC11, IC10 TO IC12, IC11 TO IC12, IC13 TO IC14, IC15 TO IC13, IC16 TO IC15, IC17 TO IC14, IC20 TO IC16, IC20 TO IC22, IC21 TO IC17, IC21 TO IC23, IC22 TO IC25, IC23 TO IC24, IC24 TO IC26, IC25 TO IC26.

PROPOSED STORM SEWER SCHEDULE. Columns: ID, STRUCTURE & PIPE INFO. Rows: A1, A2, A3, A4, A5, A6, A7, A8, A9, A10, A11, A12, A13, A14, A15, A16, A17, A18, A19, A20.

PROPOSED STORM SEWER SCHEDULE. Columns: ID, STRUCTURE & PIPE INFO. Rows: A21, A22, A23, A24, A25, A26, A27, B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, B12, B13.

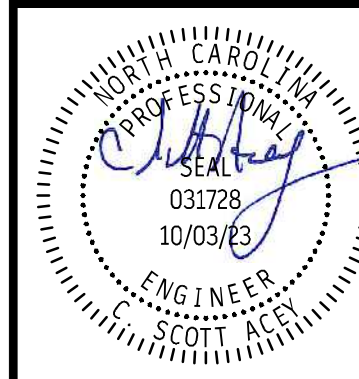
PROPOSED STORM SEWER SCHEDULE. Columns: ID, STRUCTURE & PIPE INFO. Rows: B14, B15, *C1, *C1A, *C2, *C3, *C4, *C5, *C6, *C7, *C8, *C9, C10, C11, C12, C13, C14, C15, D1, D2.

PROPOSED STORM SEWER SCHEDULE. Columns: ID, STRUCTURE & PIPE INFO. Rows: D3, D4, D5, D6, *D7, *D8, *D9, *D10, *D11, *D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22.

PROPOSED STORM SEWER SCHEDULE. Columns: ID, STRUCTURE & PIPE INFO. Rows: D23, D24, D25, D26, D27, *D28, *D29, *D30, *IC1, *IC2, *IC3, *IC4, *IC5, *IC6, *IC7, *IC8, *IC9, *IC10, *IC11, *IC12.

PROPOSED STORM SEWER SCHEDULE. Columns: ID, STRUCTURE & PIPE INFO. Rows: *IC13, *IC14, *IC15, *IC16, *IC17, *IC20, *IC21, *IC22, *IC23, *IC24, *IC25, *IC26.

S:\projects\784 Puddin Ridge - Justin\External References\Construction Drawings\14-4-23 Submittal Set\3083 Subdivision Planning [CG108] - Tuesday November 14, 2023, 3:07pm



DESIGNED: RWS, DRAWN: LDU, CHECKED: DMW, APPROVED: CSA, DATE: 10/03/23

REVISIONS table with columns: NO., DESCRIPTION, DATE, BY.

STORM SEWER SCHEDULE OF LOTUS RIDGE

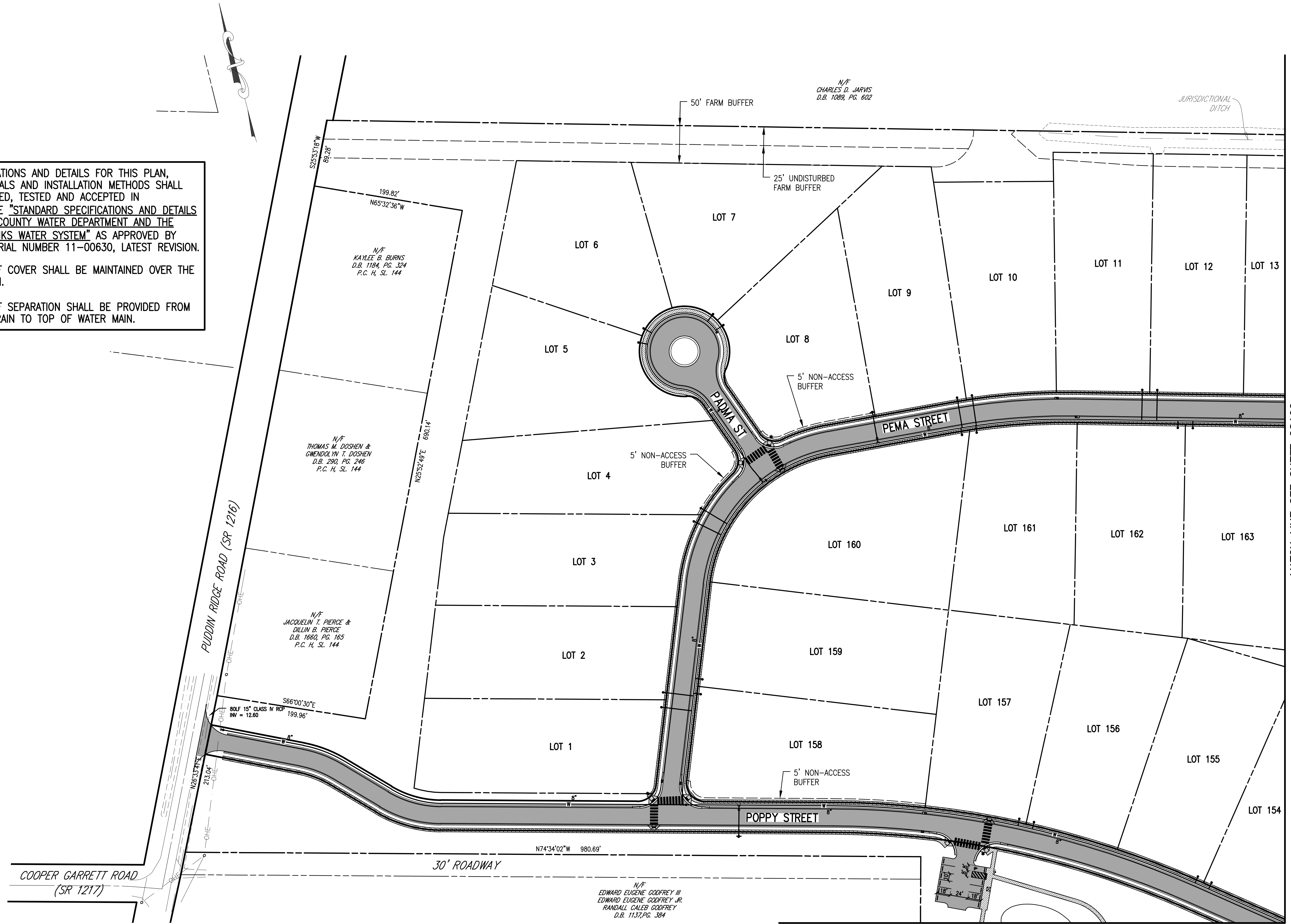
CURRITUCK COUNTY NORTH CAROLINA, MOYOCK TOWNSHIP, 5032 ROUSE DRIVE, SUITE 200 | VIRGINIA BEACH, VA 23462 | 757.490.9264 | MSAONLINE.COM

S:\projects\1784 Puddin Ridge - Justin\External References\Construction Drawings\11-4-23 Submittal Set\23083 Subdivision Planning [CS101] - Tuesday, November 14, 2023, 3:01pm

WATER MAIN SPECIFICATIONS AND DETAILS FOR THIS PLAN, INCLUDING ALL MATERIALS AND INSTALLATION METHODS SHALL BE PROVIDED, INSTALLED, TESTED AND ACCEPTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS AND DETAILS FOR THE CURRITUCK COUNTY WATER DEPARTMENT AND THE SOUTHERN OUTER BANKS WATER SYSTEM" AS APPROVED BY NCDEQ-DWR-PWS, SERIAL NUMBER 11-00630, LATEST REVISION.

A MINIMUM OF 36" OF COVER SHALL BE MAINTAINED OVER THE INSTALLED WATER MAIN.

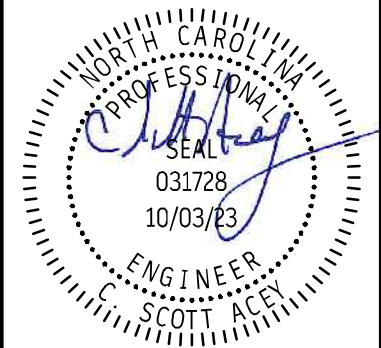
A MINIMUM OF 18" OF SEPARATION SHALL BE PROVIDED FROM BOTTOM OF STORM DRAIN TO TOP OF WATER MAIN.



MATCH LINE SEE SHEET CS102

MATCH LINE SEE SHEET CS104

MSA
 ENGINEERS | SCIENTISTS | SURVEYORS
 5032 ROUSE DRIVE, SUITE 200 | VIRGINIA BEACH, VA 23462 | 757.490.9264 | MSAONLINE.COM

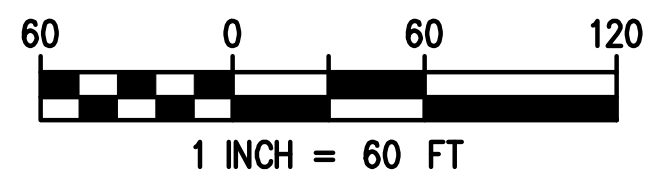


DESIGNED	RMS	LDJ	DMW	CSA	DATE
DRAWN					10/03/23
CHECKED					
APPROVED					

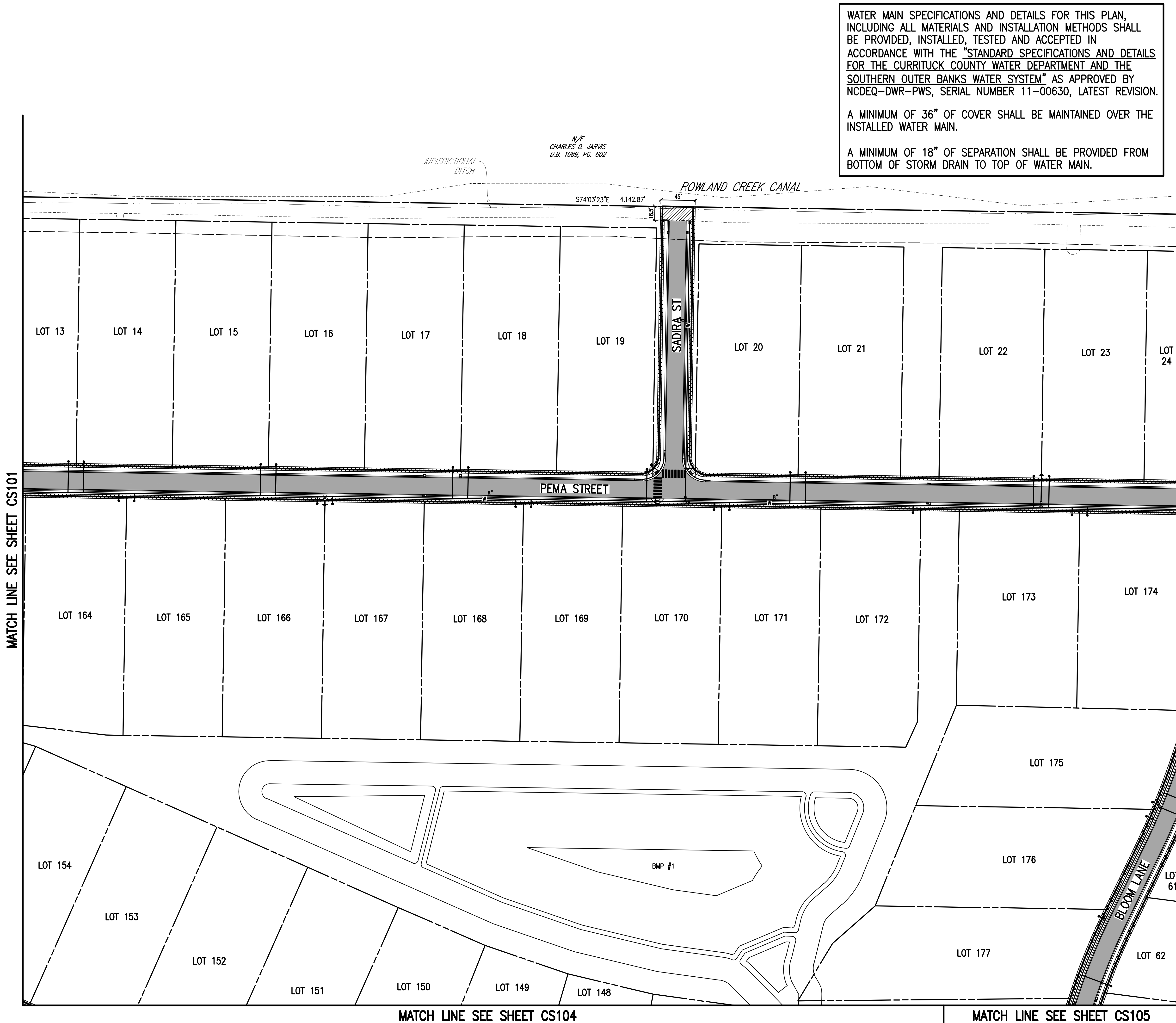
REVISION	NO.	DESCRIPTION

MASTER LAYOUT & UTILITY PLAN
 OF
LOTUS RIDGE
 CURRITUCK COUNTY NORTH CAROLINA
 MOYOCK TOWNSHIP

SHEET
CS101
 14 of 47 Sheets
 SCALE: 1"=60'
 PROJ. NO.: 23083



S:\projects\1784_Puddin_Ridge - Justin\External References\Construction Drawings\1-4-23 Submittal Set\23083 Subdivision Planning [CS102] - Tuesday November 14, 2023, 3:07pm

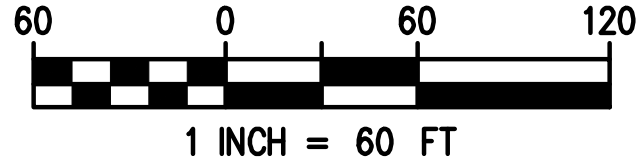


WATER MAIN SPECIFICATIONS AND DETAILS FOR THIS PLAN, INCLUDING ALL MATERIALS AND INSTALLATION METHODS SHALL BE PROVIDED, INSTALLED, TESTED AND ACCEPTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS AND DETAILS FOR THE CURRITUCK COUNTY WATER DEPARTMENT AND THE SOUTHERN OUTER BANKS WATER SYSTEM" AS APPROVED BY NCDEQ-DWR-PWS, SERIAL NUMBER 11-00630, LATEST REVISION.

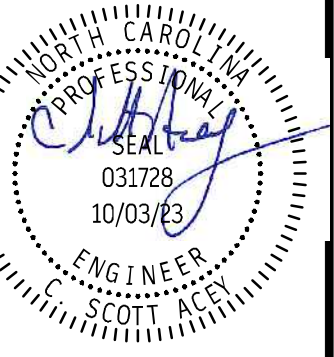
A MINIMUM OF 36" OF COVER SHALL BE MAINTAINED OVER THE INSTALLED WATER MAIN.

A MINIMUM OF 18" OF SEPARATION SHALL BE PROVIDED FROM BOTTOM OF STORM DRAIN TO TOP OF WATER MAIN.

N/F CHARLES D. JARVIS D.B. 1089, PG. 602



MSA
ENGINEERS | SCIENTISTS | SURVEYORS
5032 ROUSE DRIVE, SUITE 200 | VIRGINIA BEACH, VA 23462 | 757.490.9264 | MSAONLINE.COM



DESIGNED	RMS	LDU	DMW	CSA	DATE
DRAWN					10/03/23
CHECKED					
APPROVED					

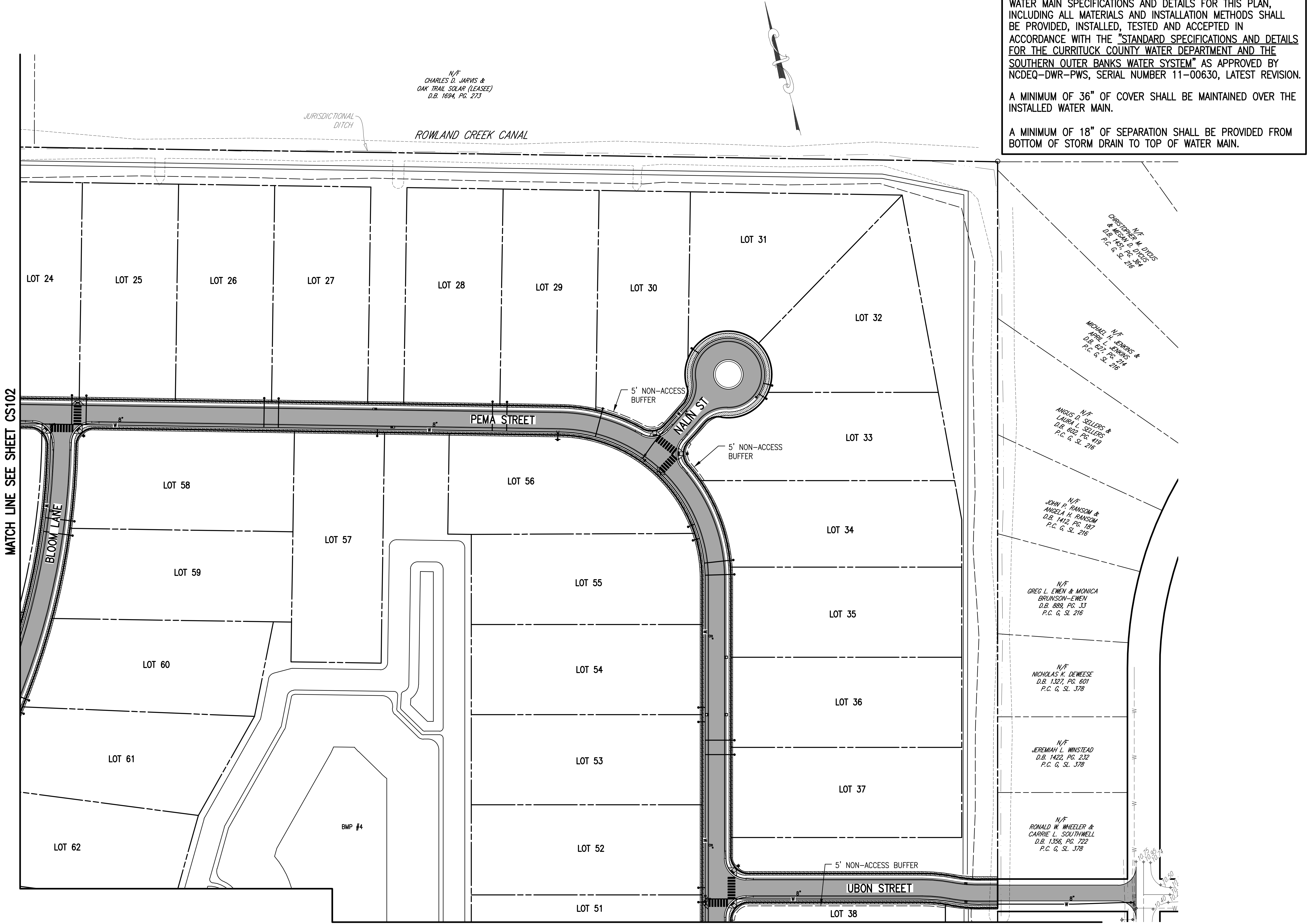
NO.	REVISION	DATE

MOYOCK TOWNSHIP
CURRITUCK COUNTY NORTH CAROLINA

MASTER LAYOUT & UTILITY PLAN
OF
LOTUS RIDGE

SHEET
CS102
15 of 47 Sheets
SCALE: 1"=60'
PROJ. NO.: 23083

S:\projects\1794_Puddin_Ridge - Justin\External References\Construction Drawings\11-4-23 Submittal Set\23083 Subdivision Planning [CS103] - Tuesday November 14, 2023, 3:01pm



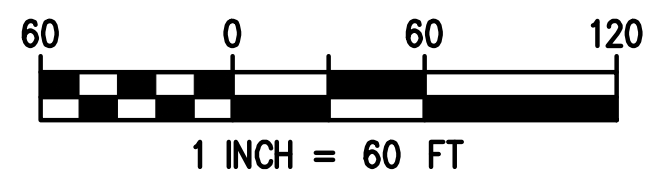
WATER MAIN SPECIFICATIONS AND DETAILS FOR THIS PLAN, INCLUDING ALL MATERIALS AND INSTALLATION METHODS SHALL BE PROVIDED, INSTALLED, TESTED AND ACCEPTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS AND DETAILS FOR THE CURRITUCK COUNTY WATER DEPARTMENT AND THE SOUTHERN OUTER BANKS WATER SYSTEM" AS APPROVED BY NCDEQ-DWR-PWS, SERIAL NUMBER 11-00630, LATEST REVISION.

A MINIMUM OF 36" OF COVER SHALL BE MAINTAINED OVER THE INSTALLED WATER MAIN.

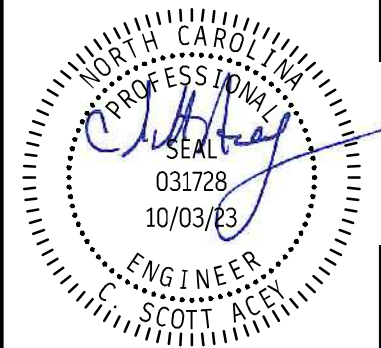
A MINIMUM OF 18" OF SEPARATION SHALL BE PROVIDED FROM BOTTOM OF STORM DRAIN TO TOP OF WATER MAIN.

MATCH LINE SEE SHEET CS102

MATCH LINE SEE SHEET CS105



MSA
ENGINEERS | SCIENTISTS | SURVEYORS
5032 ROUSE DRIVE, SUITE 200 | VIRGINIA BEACH, VA 23462 | 757.490.9264 | MSAONLINE.COM



DESIGNED	RWS
DRAWN	LDJ
CHECKED	DMW
APPROVED	CSA
DATE	10/03/23

REVISION	NO.	DESCRIPTION

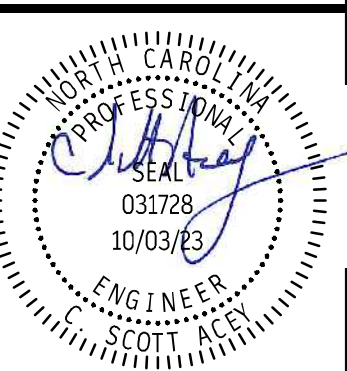
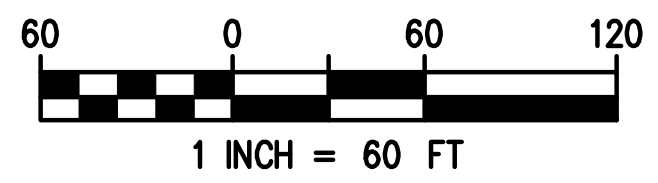
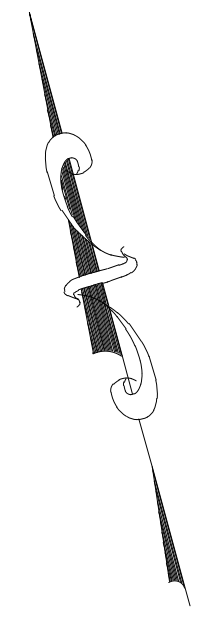
MASTER LAYOUT & UTILITY PLAN
OF
LOTUS RIDGE
CURRITUCK COUNTY NORTH CAROLINA
MOYOCK TOWNSHIP

SHEET
CS103
16 of 47 Sheets
SCALE: 1"=60'
PROJ. NO.: 23083

WATER MAIN SPECIFICATIONS AND DETAILS FOR THIS PLAN, INCLUDING ALL MATERIALS AND INSTALLATION METHODS SHALL BE PROVIDED, INSTALLED, TESTED AND ACCEPTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS AND DETAILS FOR THE CURRITUCK COUNTY WATER DEPARTMENT AND THE SOUTHERN OUTER BANKS WATER SYSTEM" AS APPROVED BY NCDEQ-DWR-PWS, SERIAL NUMBER 11-00630, LATEST REVISION.

A MINIMUM OF 36" OF COVER SHALL BE MAINTAINED OVER THE INSTALLED WATER MAIN.

A MINIMUM OF 18" OF SEPARATION SHALL BE PROVIDED FROM BOTTOM OF STORM DRAIN TO TOP OF WATER MAIN.



DESIGNED	RWS	LDU	DWJ	CSA	DATE
DRAWN					10/03/23
CHECKED					
APPROVED					

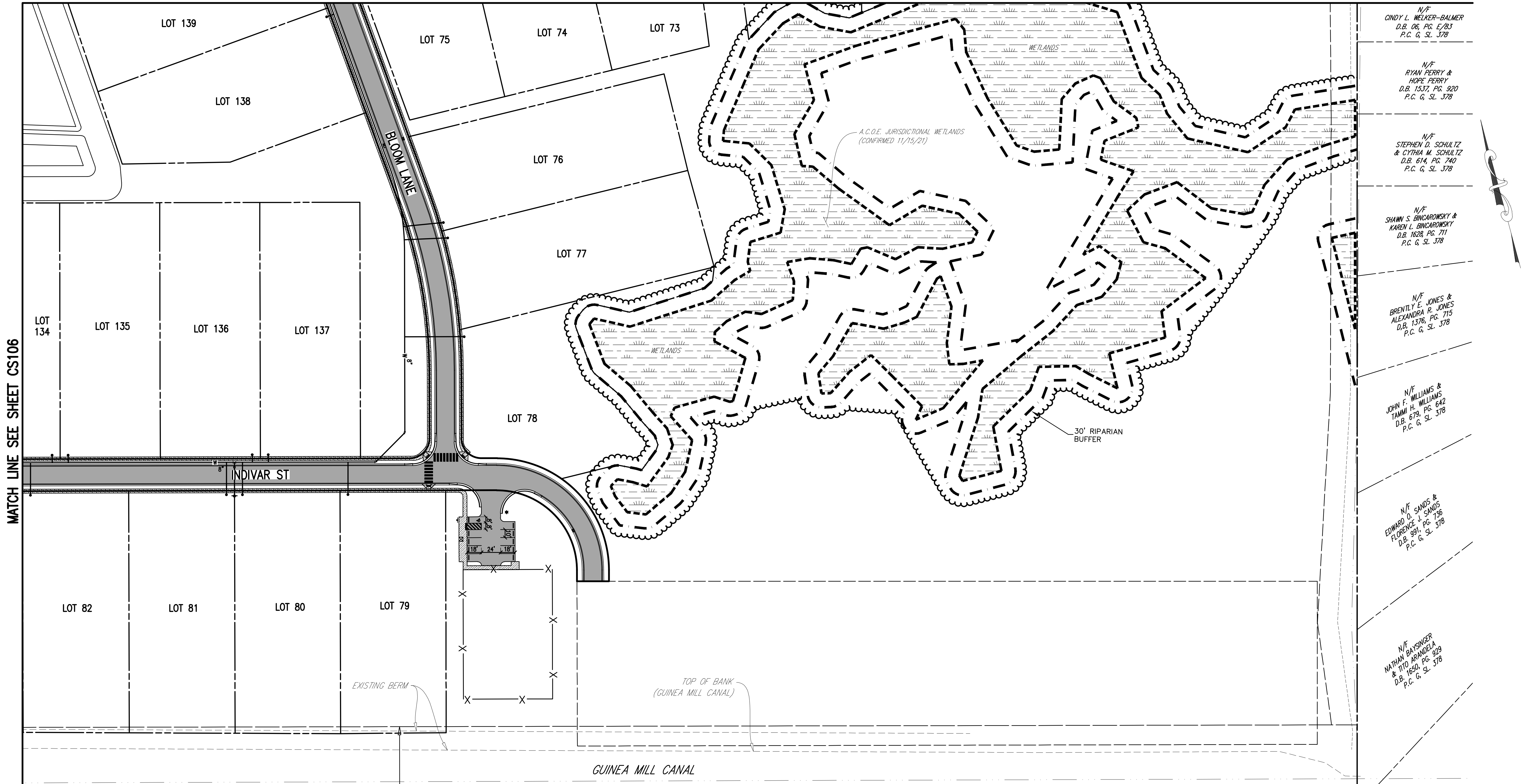
REVISION	NO.	DESCRIPTION

MASTER LAYOUT & UTILITY PLAN
OF
LOTUS RIDGE
CURRITUCK COUNTY NORTH CAROLINA
MOYOCK TOWNSHIP

SHEET
CS105
18 of 47 Sheets
SCALE: 1"=60'
PROJ. NO.: 23083

S:\projects\23083_Puddin Ridge - Justin\External References\Construction Drawings\11-14-23 Submittal Set\23083 Subdivision Planning [CS105] - Tuesday November 14, 2023, 3:07pm

MATCH LINE SEE SHEET CS105



MATCH LINE SEE SHEET CS106

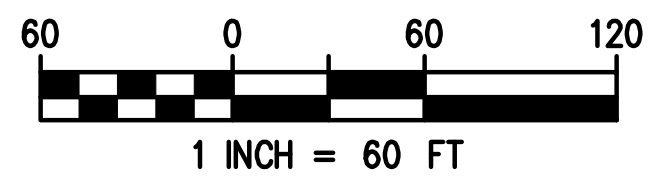
- N/F
CINDY L. MELKER-BALMER
D.B. 06, PG. E/83
P.C. G, SL. 378
- N/F
RYAN PERRY &
HOPE PERRY
D.B. 1537, PG. 920
P.C. G, SL. 378
- N/F
STEPHEN D. SCHULTZ
& CYNTHIA M. SCHULTZ
D.B. 614, PG. 740
P.C. G, SL. 378
- N/F
SHAWN S. BINCAROWSKY &
KAREN L. BINCAROWSKY
D.B. 1628, PG. 711
P.C. G, SL. 378
- N/F
BRENTLY E. JONES &
ALEXANDRA R. JONES
D.B. 1376, PG. 715
P.C. G, SL. 378
- N/F
JOHN F. WILLIAMS &
TAMMI H. WILLIAMS
D.B. 679, PG. 642
P.C. G, SL. 378
- N/F
EDWARD O. SANDS &
FLORENCE J. SANDS
D.B. 991, PG. 736
P.C. G, SL. 378
- N/F
NATHAN BAYSINGER
& TITO BRANDELLI
D.B. 1650, PG. 219
P.C. G, SL. 378

- N/F
RICHARD C. ASH &
KIMBERLEY D. ASH
D.B. 859, PG. 6
P.C. I, SL. 119
- N/F
ROBERT S. KELLY & AMY L.
SAUERBREI-KELLY
D.B. 1567, PG. 839
P.C. I, SL. 119
- 75' DEDICATED MAINTENANCE
EASEMENT TO CURRITUCK CO.
(D.B. 499, PG. 342)
- N/F
MICHAEL E. SVEDÉ &
CHARLOTTE SVEDÉ
D.B. 869, PG. 115
P.C. I, SL. 119
- N/F
JAMES T. NEWBY & MANDY
RENE COOK-NEWBY
D.B. 947, PG. 34
P.C. I, SL. 119
- N/F
LARRY G. HORRELL JR.
& DAMN M. HORRELL
D.B. 1289, PG. 287
SL. I, SL. 119
- N/F
CHRISTOPHER S. WHILDEN
& BRITTANY M. WHITLOCK
D.B. 1416, PG. 302
P.C. I, SL. 316

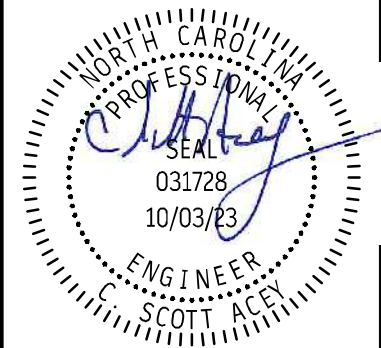
WATER MAIN SPECIFICATIONS AND DETAILS FOR THIS PLAN, INCLUDING ALL MATERIALS AND INSTALLATION METHODS SHALL BE PROVIDED, INSTALLED, TESTED AND ACCEPTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS AND DETAILS FOR THE CURRITUCK COUNTY WATER DEPARTMENT AND THE SOUTHERN OUTER BANKS WATER SYSTEM" AS APPROVED BY NCDEQ-DWR-PWS, SERIAL NUMBER 11-00630, LATEST REVISION.

A MINIMUM OF 36" OF COVER SHALL BE MAINTAINED OVER THE INSTALLED WATER MAIN.

A MINIMUM OF 18" OF SEPARATION SHALL BE PROVIDED FROM BOTTOM OF STORM DRAIN TO TOP OF WATER MAIN.



MSA
ENGINEERS | SCIENTISTS | SURVEYORS
5032 ROUSE DRIVE, SUITE 200 | VIRGINIA BEACH, VA 23462 | 757.490.9264 | MSAONLINE.COM



DESIGNED	RMS	LDU	DMW	CSA	DATE
DRAWN					10/03/23
CHECKED					
APPROVED					

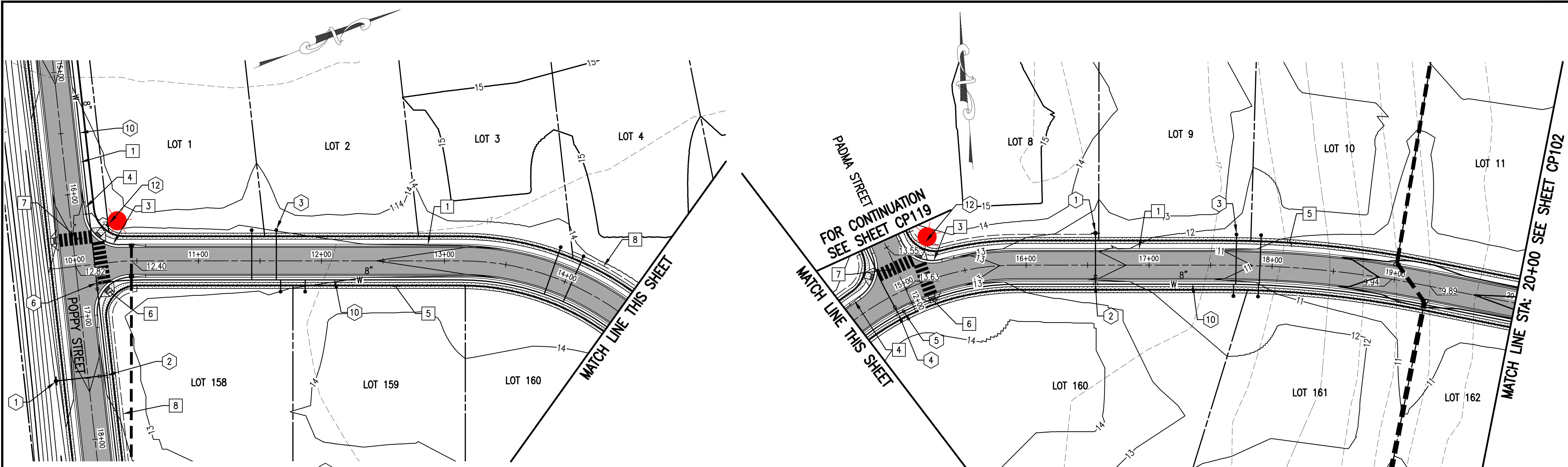
REVISION	DATE	BY	DESCRIPTION

MASTER LAYOUT & UTILITY PLAN
OF
LOTUS RIDGE
CURRITUCK COUNTY NORTH CAROLINA
MOYOCK TOWNSHIP

SHEET
CS107
20 of 47 Sheets
SCALE: 1"=60'
PROJ. NO.: 23083

S:\projects\1794_Puddin_Ridge - Justin\External References\Construction Drawings\11-4-23 Submittal Set\23083 Subdivision Planning [CS107] - Tuesday November 14, 2023, 3:02pm

S:\projects\1784_Padma Ridge - Justin\External References\Continuation Drawings\11-14-23 Submittal Set\3083 Subdivision Planning [CP101] - Tuesday, November 14, 2023, 3:02pm

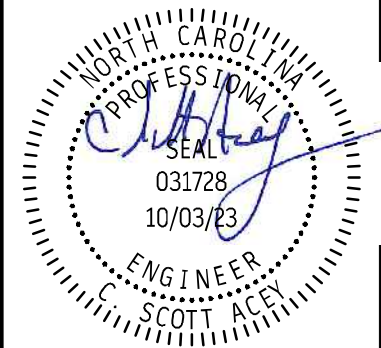
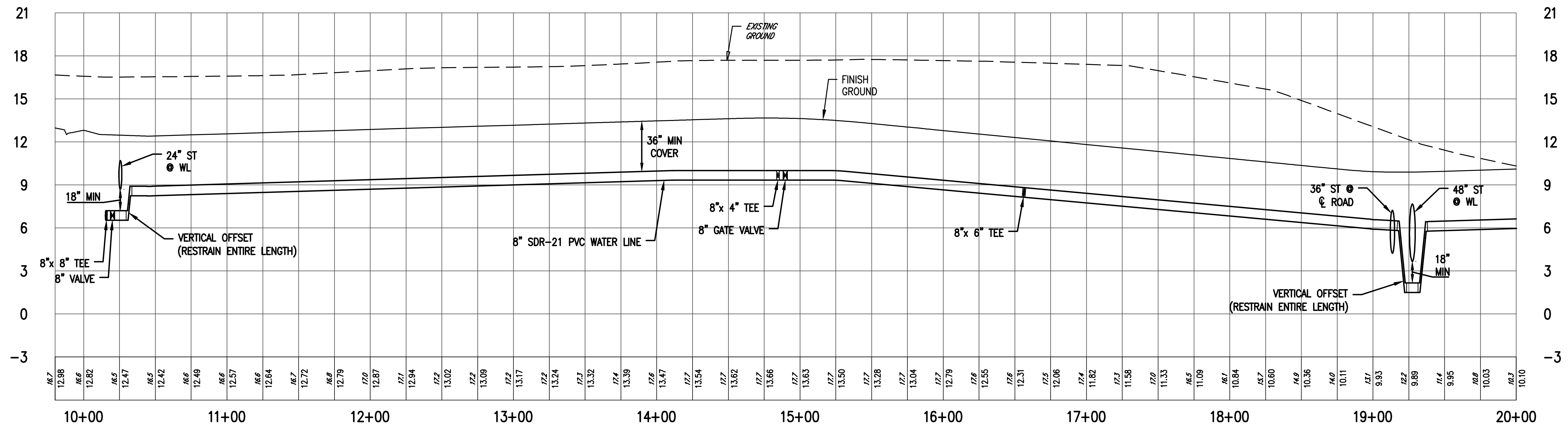
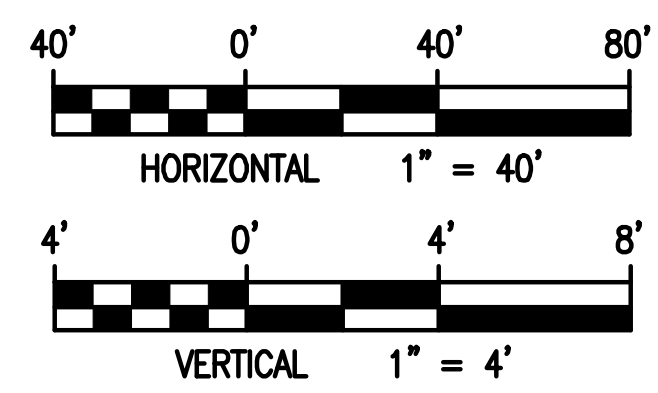
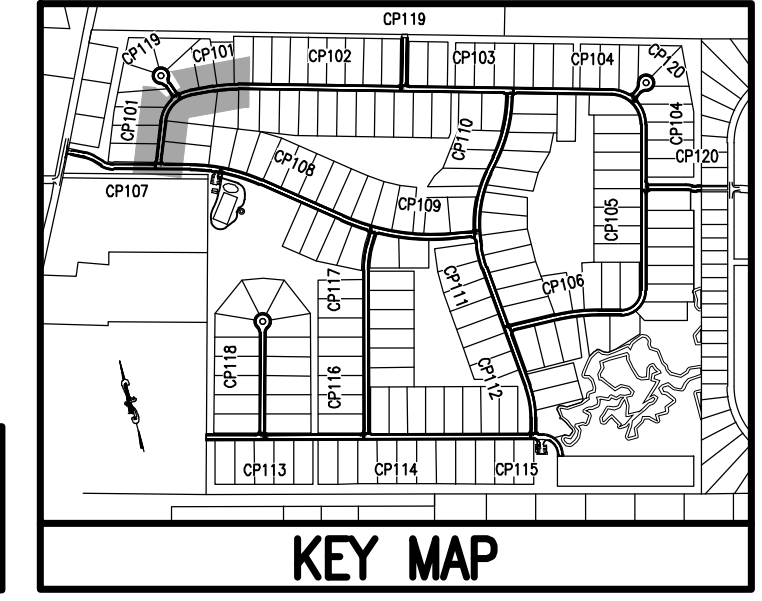


- UTILITY KEYNOTES:**
- | | |
|--------------------------------------|--|
| 1. FIRE HYDRANT ASSEMBLY | 10. 8" SDR-21 PVC WATER MAIN |
| 2. 8"x 6" TEE & 6" GATE VALVE | 11. 4" SDR-21 PVC WATER MAIN |
| 3. 3/4" WATER SERVICE (TYP) | 12. STREET LIGHT (TYP) |
| 4. 8"x 4" TEE & 4" GATE VALVE | 13. 45° BEND (TYP) |
| 5. 8" GATE VALVE | 14. 8" DEAD END CAP W/ BLOW OFF ASSEMBLY |
| 6. 8"x 8" TEE & (2) GATE VALVES | |
| 7. 2" BLOW OFF VALVE | |
| 8. 8"x 8" CUT-IN TEE & 8" GATE VALVE | |
| 9. 8"x 4" REDUCER | |

- NEW WORK KEYNOTES:**
- | | |
|-----------------------------------|---|
| 1. CURB & GUTTER VALLEY | 9. WHEELSTOP (TYP) |
| 2. STANDARD ROLLED CURB | 10. MAILBOX KIOSK |
| 3. CURB & GUTTER | 11. VAN ACCESSIBLE HANDICAP SIGN AS PER ADA STANDARDS |
| 4. CURB & GUTTER TRANSITION (TYP) | 12. 18.5'x 45' FUTURE CONNECTION EASEMENT |
| 5. 5" CONCRETE SIDEWALK | |
| 6. ACCESSIBLE RAMP (TYP) | |
| 7. PEDESTRIAN CROSSWALK (TYP) | |
| 8. 5' NON-ACCESS BUFFER | |

PEMA STREET (40' R/W)
SCALE: 1"=40'

SEE SHEET CG108 FOR STORM SEWER SCHEDULE



DESIGNED	RMS
DRAWN	LDJ
CHECKED	DMW
APPROVED	CSA
DATE	10/03/23

REVISION	DATE	BY	DESCRIPTION

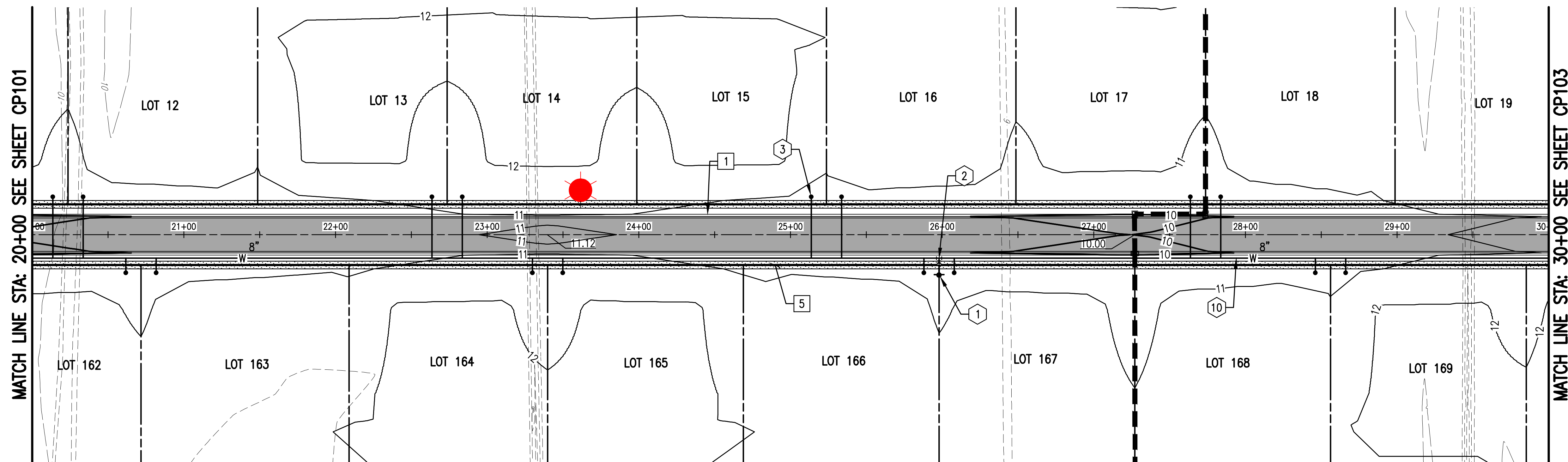
PLAN & PROFILE OF
LOTUS RIDGE
PEMA STREET STA: 10+00 - 20+00

MOYOCK TOWNSHIP
CURRITUCK COUNTY NORTH CAROLINA

SHEET
CP101
22 of 47 Sheets

SCALE: GRAPHIC
PROJ. NO.: 23083

5032 ROUSE DRIVE, SUITE 200 | VIRGINIA BEACH, VA 23462 | 757.490.9264 | MSAONLINE.COM



MATCH LINE STA: 20+00 SEE SHEET CP101

MATCH LINE STA: 30+00 SEE SHEET CP103

UTILITY KEYNOTES:

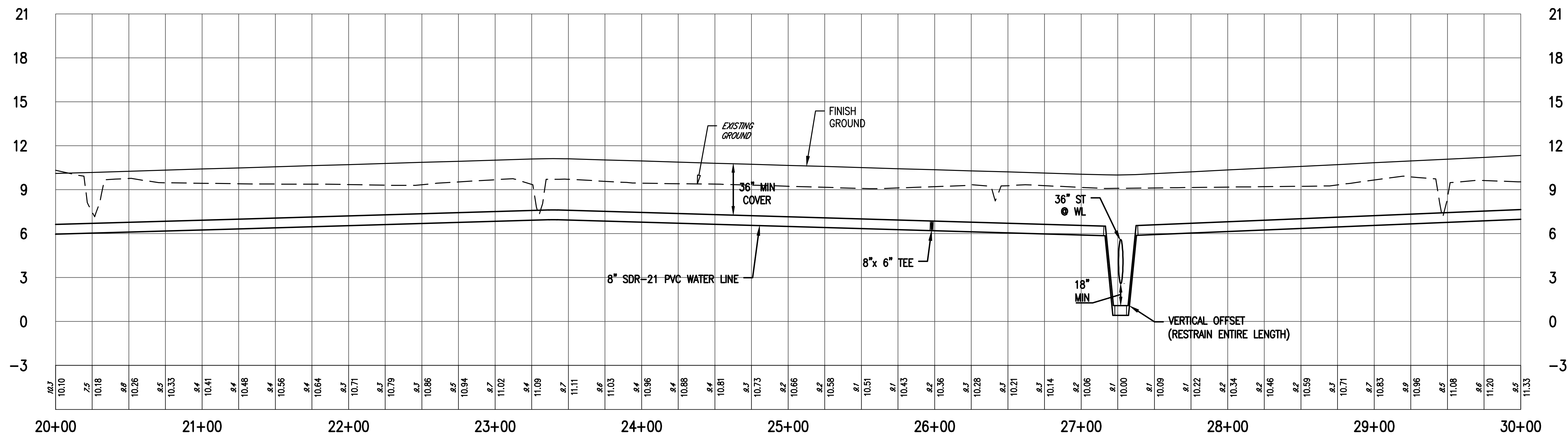
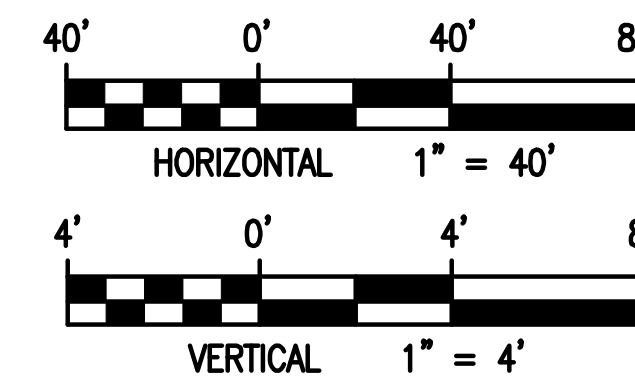
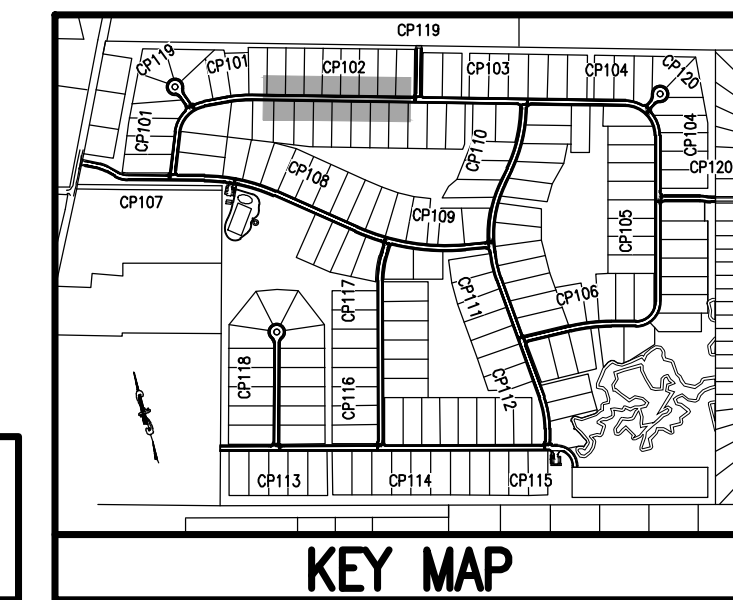
- 1. FIRE HYDRANT ASSEMBLY
- 2. 8"x 6" TEE & 6" GATE VALVE
- 3. 3/4" WATER SERVICE (TYP)
- 4. 8"x 4" TEE & 4" GATE VALVE
- 5. 8" GATE VALVE
- 6. 8"x 8" TEE & (2) GATE VALVES
- 7. 2" BLOW OFF VALVE
- 8. 8"x 8" CUT-IN TEE & 8" GATE VALVE
- 9. 8"x 4" REDUCER
- 10. 8" SDR-21 PVC WATER MAIN
- 11. 4" SDR-21 PVC WATER MAIN
- 12. STREET LIGHT (TYP)
- 13. 45° BEND (TYP)
- 14. 8" DEAD END CAP W/ BLOW OFF ASSEMBLY

NEW WORK KEYNOTES:

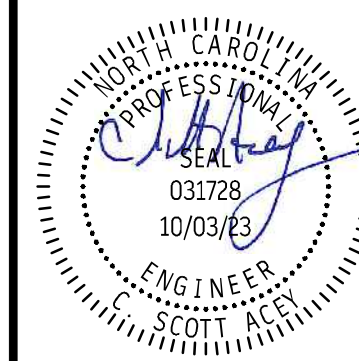
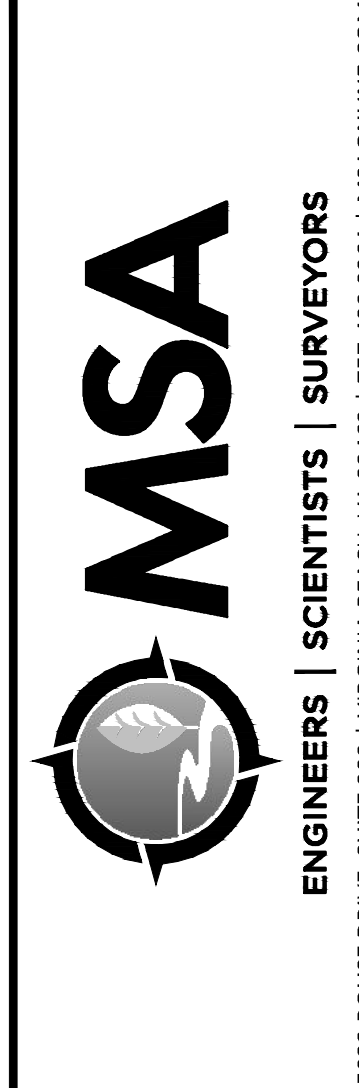
- 1. CURB & GUTTER VALLEY
- 2. STANDARD ROLLED CURB
- 3. CURB & GUTTER
- 4. CURB & GUTTER TRANSITION (TYP)
- 5. 5" CONCRETE SIDEWALK
- 6. ACCESSIBLE RAMP (TYP)
- 7. PEDESTRIAN CROSSWALK (TYP)
- 8. 5' NON-ACCESS BUFFER
- 9. WHEELSTOP (TYP)
- 10. MAILBOX KIOSK
- 11. VAN ACCESSIBLE HANDICAP SIGN AS PER ADA STANDARDS
- 12. 18.5'x 45' FUTURE CONNECTION EASEMENT

PEMA STREET (40' R/W)
SCALE: 1"=40'

SEE SHEET CG108 FOR STORM SEWER SCHEDULE



S:\projects\1784_Pudlin Ridge - Justin\External References\Construction Drawings\11-14-23 Submittal Set\23083 Subdivision Planning [CP102] - Tuesday November 14, 2023, 3:02pm

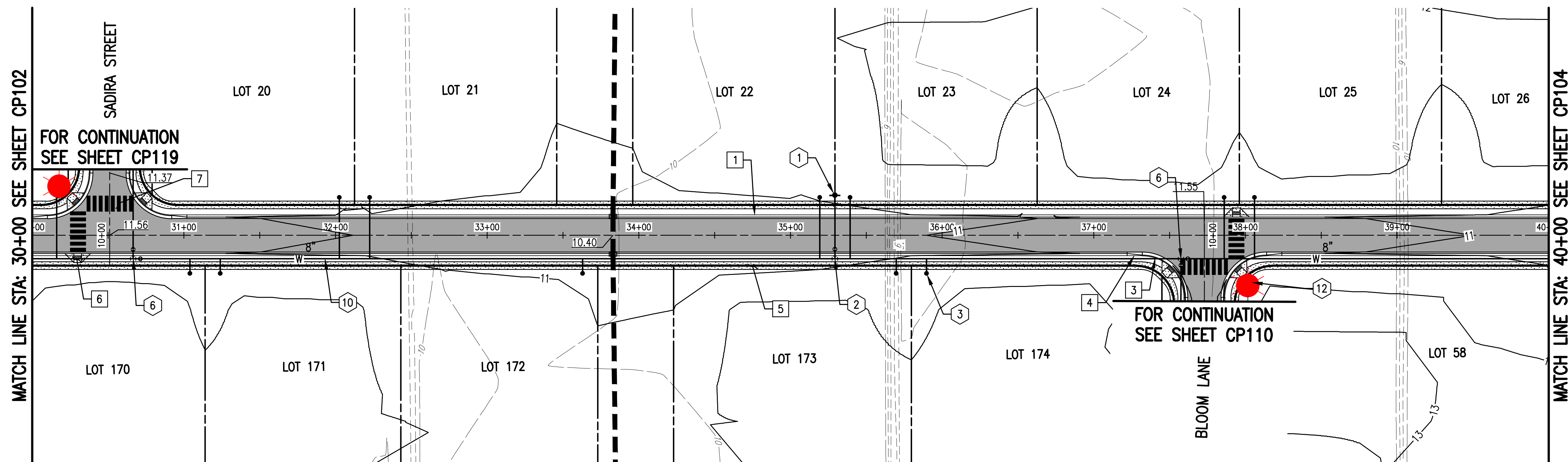


DESIGNED	RWS	LDU	DMW	CSA	DATE
DRAWN					10/03/23
CHECKED					
APPROVED					

REVISION	NO.	DESCRIPTION

PLAN & PROFILE OF
LOTUS RIDGE
PEMA STREET STA: 20+00 - 30+00
MOYOCK TOWNSHIP
CURRITUCK COUNTY NORTH CAROLINA

SHEET
CP102
23 of 47 Sheets
SCALE: GRAPHIC
PROJ. NO.: 23083



UTILITY KEYNOTES:

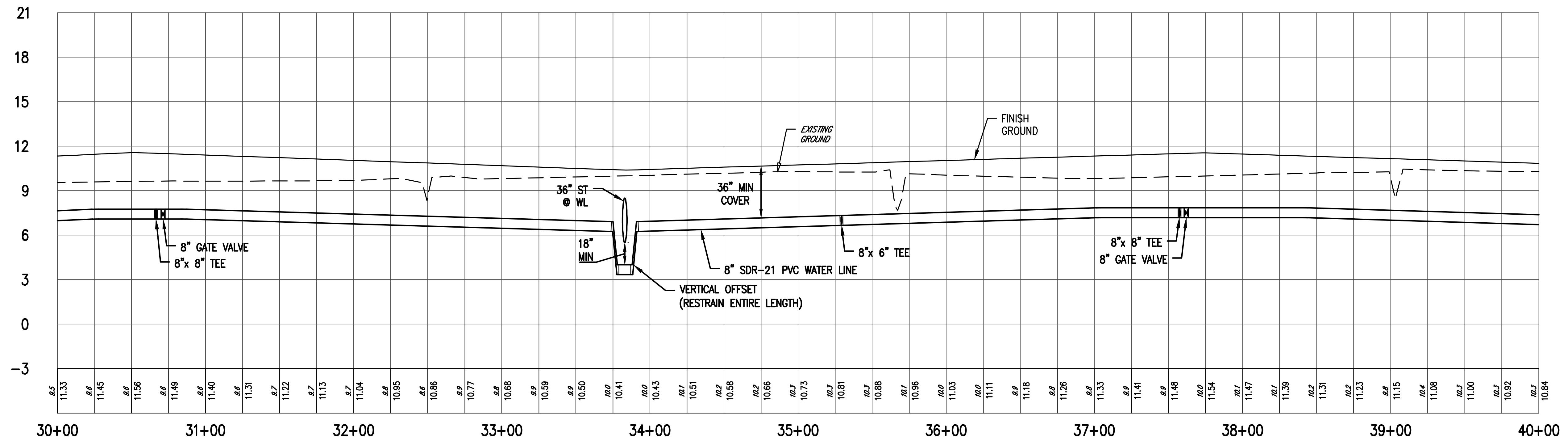
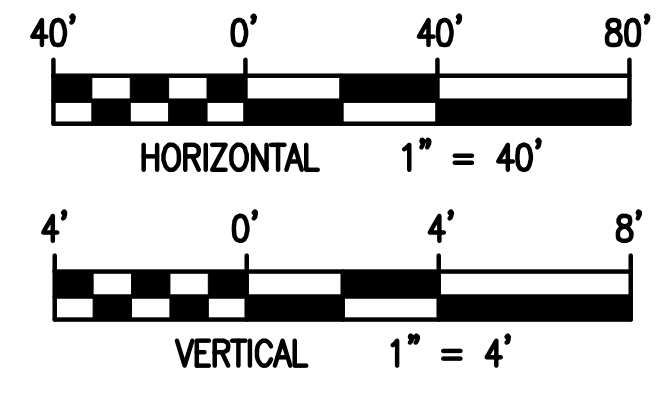
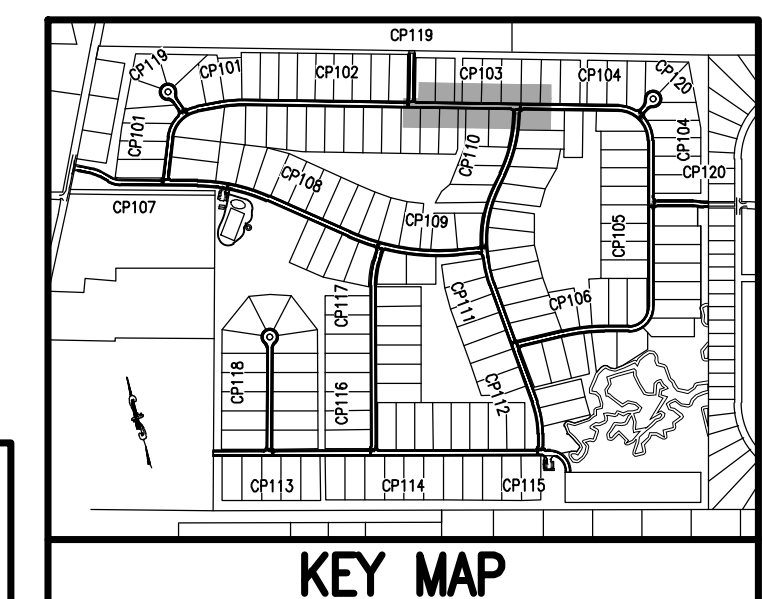
- | | |
|--------------------------------------|--|
| 1. FIRE HYDRANT ASSEMBLY | 10. 8" SDR-21 PVC WATER MAIN |
| 2. 8"x 6" TEE & 6" GATE VALVE | 11. 4" SDR-21 PVC WATER MAIN |
| 3. 3/4" WATER SERVICE (TYP) | 12. STREET LIGHT (TYP) |
| 4. 8"x 4" TEE & 4" GATE VALVE | 13. 45° BEND (TYP) |
| 5. 8" GATE VALVE | 14. 8" DEAD END CAP W/ BLOW OFF ASSEMBLY |
| 6. 8"x 8" TEE & (2) GATE VALVES | |
| 7. 2" BLOW OFF VALVE | |
| 8. 8"x 8" CUT-IN TEE & 8" GATE VALVE | |
| 9. 8"x 4" REDUCER | |

NEW WORK KEYNOTES:

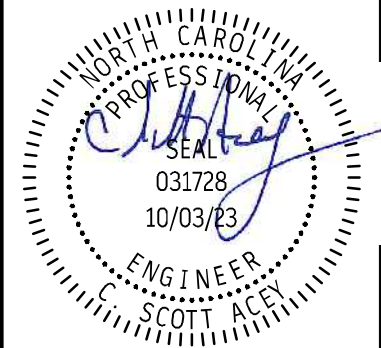
- | | |
|-----------------------------------|---|
| 1. CURB & GUTTER VALLEY | 9. WHEELSTOP (TYP) |
| 2. STANDARD ROLLED CURB | 10. MAILBOX KIOSK |
| 3. CURB & GUTTER | 11. VAN ACCESSIBLE HANDICAP SIGN AS PER ADA STANDARDS |
| 4. CURB & GUTTER TRANSITION (TYP) | 12. 18.5'x 45' FUTURE CONNECTION EASEMENT |
| 5. 5" CONCRETE SIDEWALK | |
| 6. ACCESSIBLE RAMP (TYP) | |
| 7. PEDESTRIAN CROSSWALK (TYP) | |
| 8. 5' NON-ACCESS BUFFER | |

PEMA STREET (40' R/W)
SCALE: 1"=40'

SEE SHEET CG108 FOR STORM SEWER SCHEDULE



S:\projects\1784_Pudlin_Ridge - Justin\External References\Continuation Drawings\11-14-23_Submittal Set\32083_Subdivision_Planning_CP103.dwg - Tuesday November 14, 2023, 3:02pm

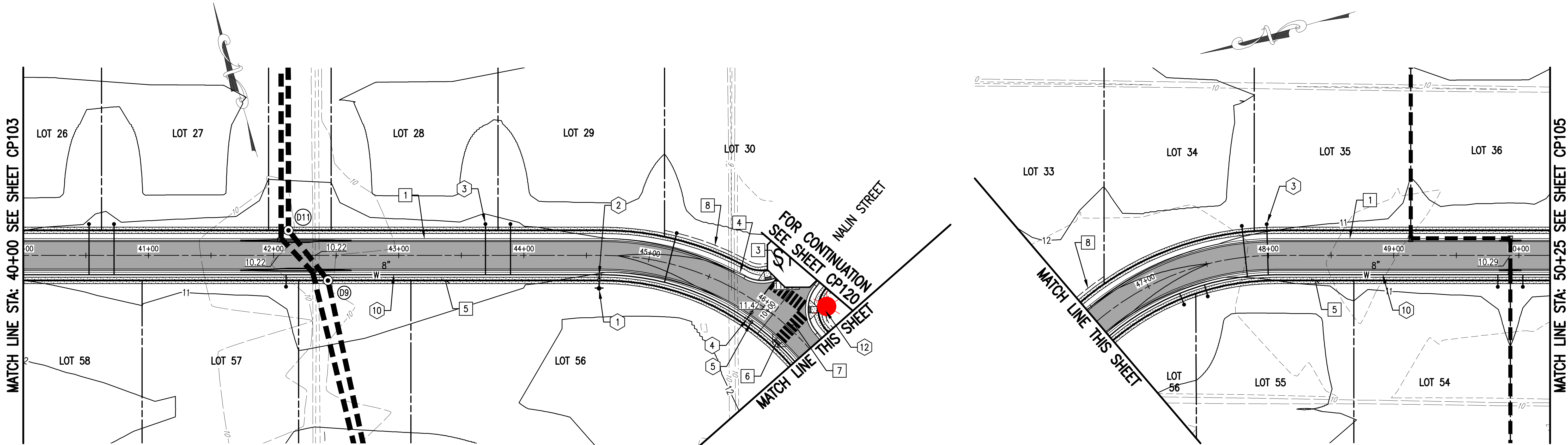


DESIGNED	RMS
DRAWN	LDJ
CHECKED	DMW
APPROVED	CSA
DATE	10/03/23

REVISION	DATE	DESCRIPTION

MATCH LINE STA: 40+00 SEE SHEET CP103

MATCH LINE STA: 50+25 SEE SHEET CP105



UTILITY KEYNOTES:

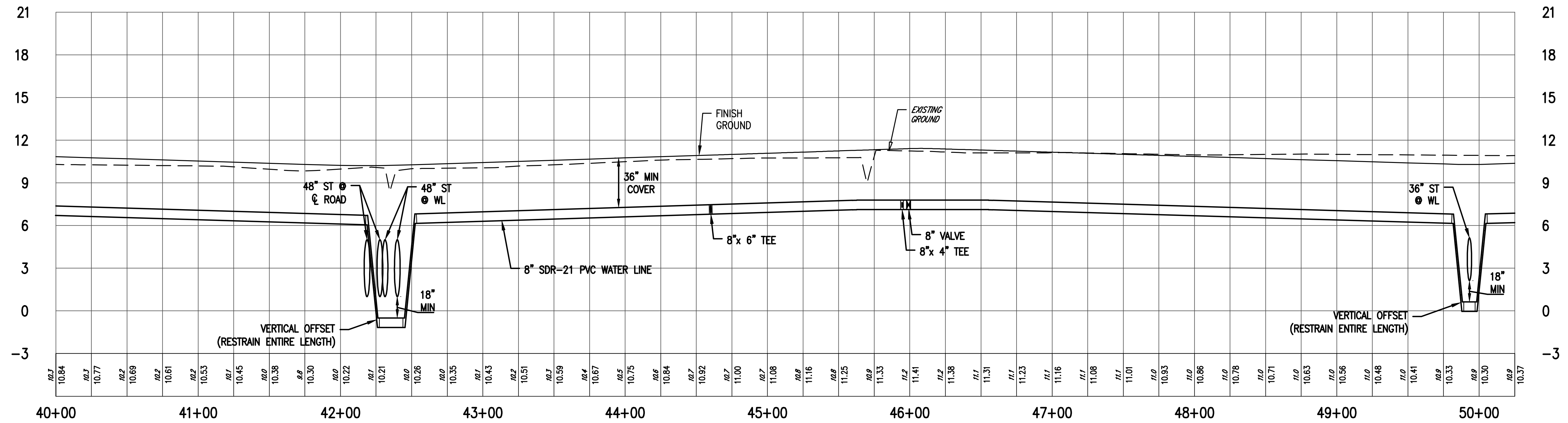
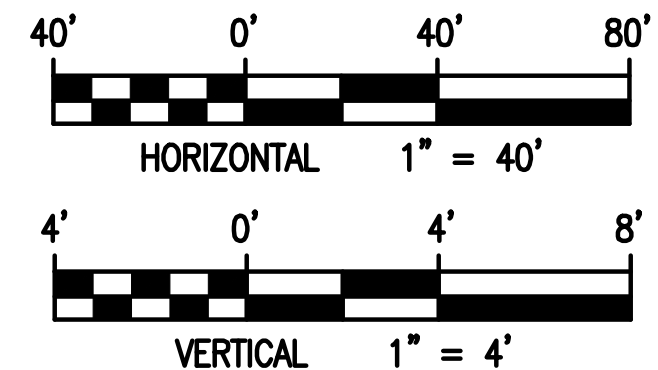
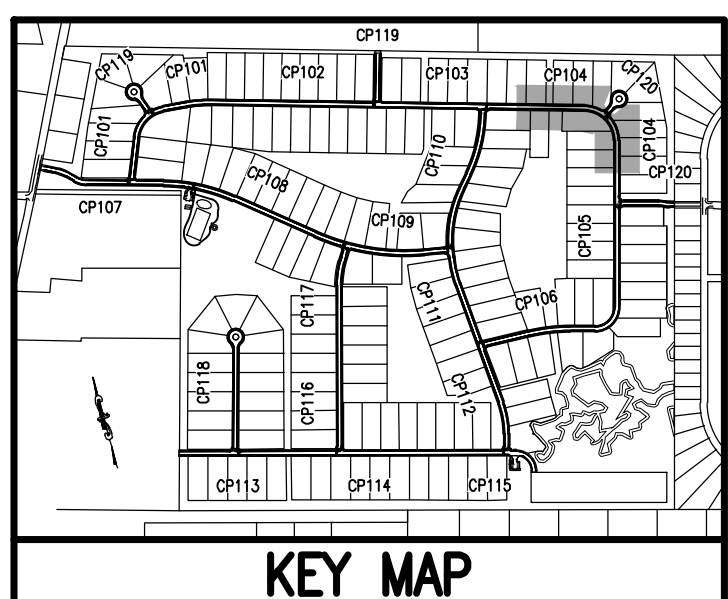
- 1. FIRE HYDRANT ASSEMBLY
- 2. 8" x 6" TEE & 6" GATE VALVE
- 3. 3/4" WATER SERVICE (TYP)
- 4. 8" x 4" TEE & 4" GATE VALVE
- 5. 8" GATE VALVE
- 6. 8" x 8" TEE & (2) GATE VALVES
- 7. 2" BLOW OFF VALVE
- 8. 8" x 8" CUT-IN TEE & 8" GATE VALVE
- 9. 8" x 4" REDUCER
- 10. 8" SDR-21 PVC WATER MAIN
- 11. 4" SDR-21 PVC WATER MAIN
- 12. STREET LIGHT (TYP)
- 13. 45° BEND (TYP)
- 14. 8" DEAD END CAP W/ BLOW OFF ASSEMBLY

NEW WORK KEYNOTES:

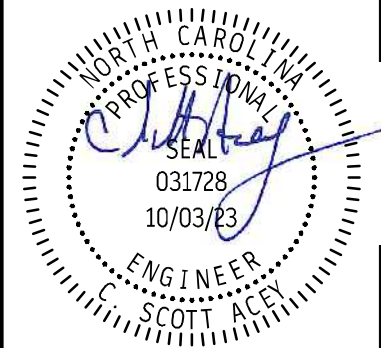
- 1. CURB & GUTTER VALLEY
- 2. STANDARD ROLLED CURB
- 3. CURB & GUTTER
- 4. CURB & GUTTER TRANSITION (TYP)
- 5. 5" CONCRETE SIDEWALK
- 6. ACCESSIBLE RAMP (TYP)
- 7. PEDESTRIAN CROSSWALK (TYP)
- 8. 5' NON-ACCESS BUFFER
- 9. WHEELSTOP (TYP)
- 10. MAILBOX KIOSK
- 11. VAN ACCESSIBLE HANDICAP SIGN AS PER ADA STANDARDS
- 12. 18.5' x 45' FUTURE CONNECTION EASEMENT

PEMA STREET (40' R/W)
SCALE: 1"=40'

SEE SHEET CG108 FOR STORM SEWER SCHEDULE



S:\projects\1784_Pudlin Ridge - Justin\External References\Continuation Drawings\11-14-23 Submittal Set\32083 Subdivision Planning [CP104] - Tuesday November 14, 2023, 3:02pm

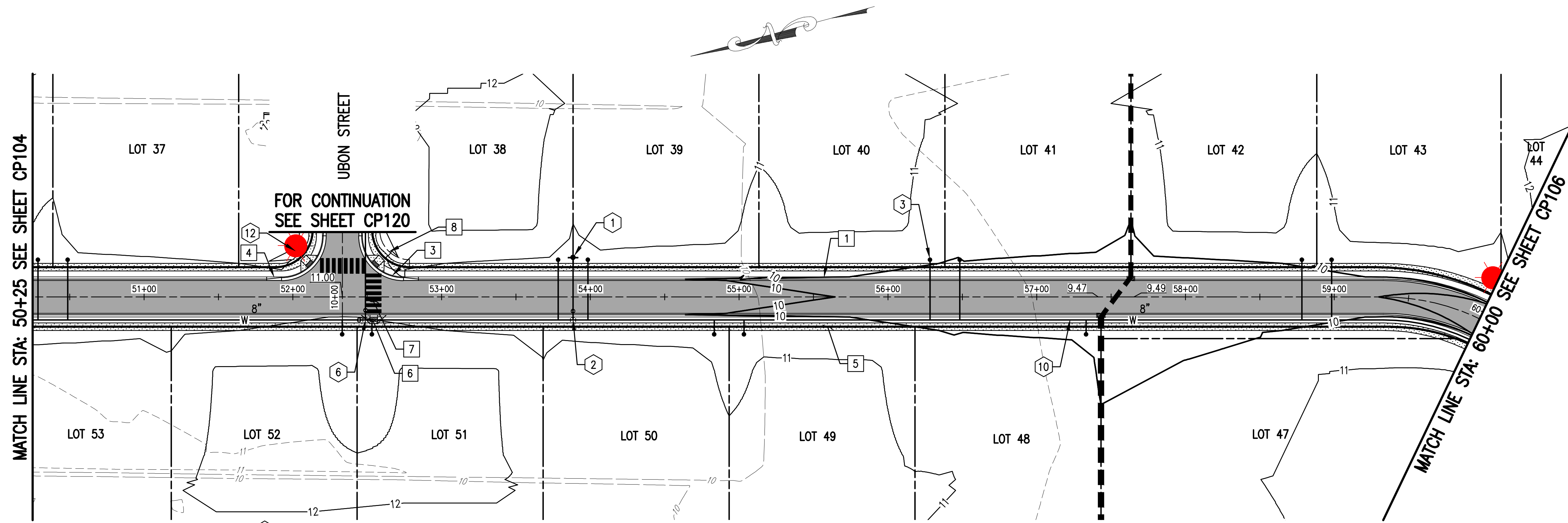


DESIGNED	RMS
DRAWN	LDJ
CHECKED	DMW
APPROVED	CSA
DATE	10/03/23

REVISION	NO.	DESCRIPTION

PLAN & PROFILE OF
LOTUS RIDGE
 PEMA STREET STA: 40+00 - 50+25
 CURRITUCK COUNTY NORTH CAROLINA
 MOYOCK TOWNSHIP

SHEET
CP104
 25 of 47 Sheets
 SCALE: GRAPHIC
 PROJ. NO.: 23083



UTILITY KEYNOTES:

- 1. FIRE HYDRANT ASSEMBLY
- 2. 8"x 6" TEE & 6" GATE VALVE
- 3. 3/4" WATER SERVICE (TYP)
- 4. 8"x 4" TEE & 4" GATE VALVE
- 5. 8" GATE VALVE
- 6. 8"x 8" TEE & (2) GATE VALVES
- 7. 2" BLOW OFF VALVE
- 8. 8"x 8" CUT-IN TEE & 8" GATE VALVE
- 9. 8"x 4" REDUCER
- 10. 8" SDR-21 PVC WATER MAIN
- 11. 4" SDR-21 PVC WATER MAIN
- 12. STREET LIGHT (TYP)
- 13. 45° BEND (TYP)
- 14. 8" DEAD END CAP W/ BLOW OFF ASSEMBLY

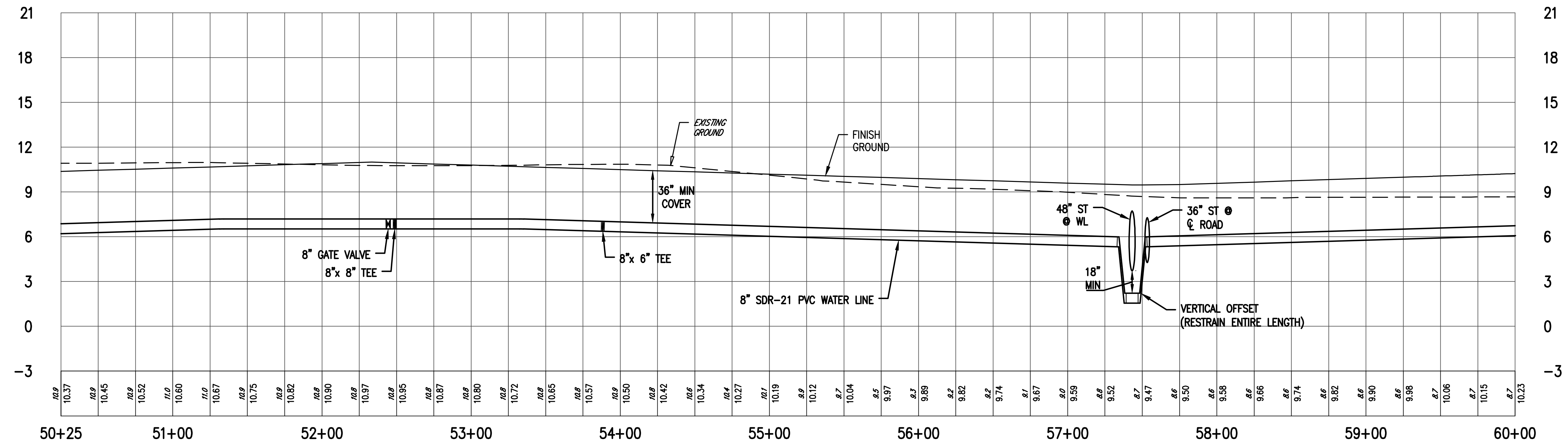
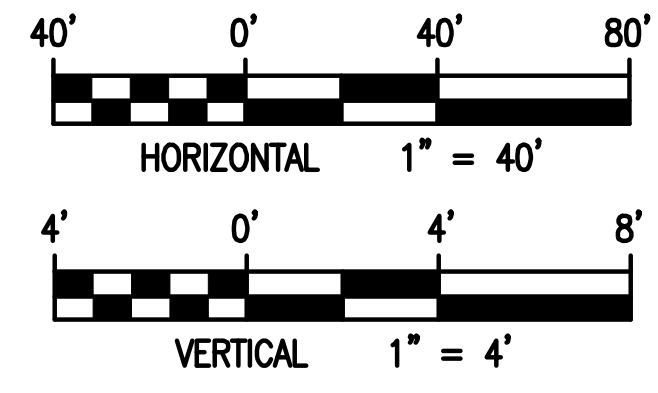
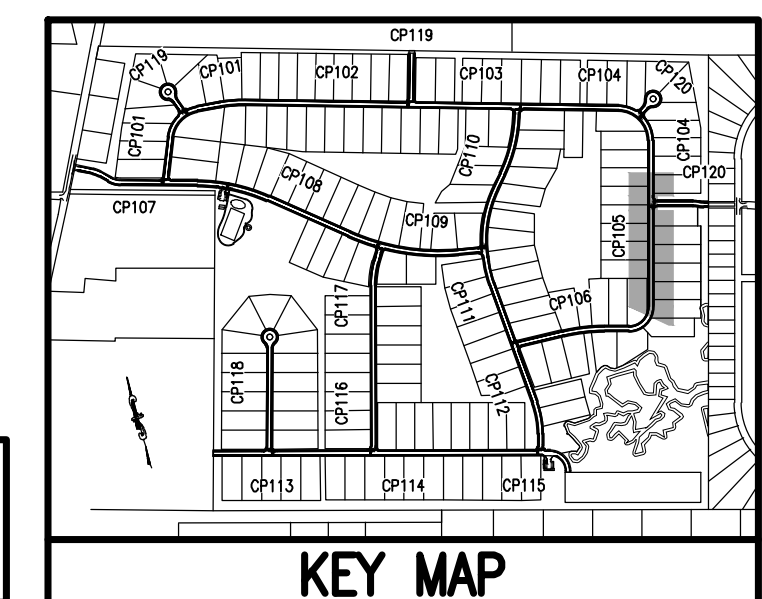
NEW WORK KEYNOTES:

- 1. CURB & GUTTER VALLEY
- 2. STANDARD ROLLED CURB
- 3. CURB & GUTTER
- 4. CURB & GUTTER TRANSITION (TYP)
- 5. 5" CONCRETE SIDEWALK
- 6. ACCESSIBLE RAMP (TYP)
- 7. PEDESTRIAN CROSSWALK (TYP)
- 8. 5' NON-ACCESS BUFFER
- 9. WHEELSTOP (TYP)
- 10. MAILBOX KIOSK
- 11. VAN ACCESSIBLE HANDICAP SIGN AS PER ADA STANDARDS
- 12. 18.5'x 45' FUTURE CONNECTION EASEMENT

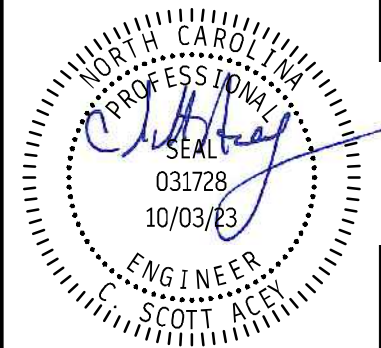
PEMA STREET (40' R/W)

SCALE: 1"=40'

SEE SHEET CG108 FOR STORM SEWER SCHEDULE

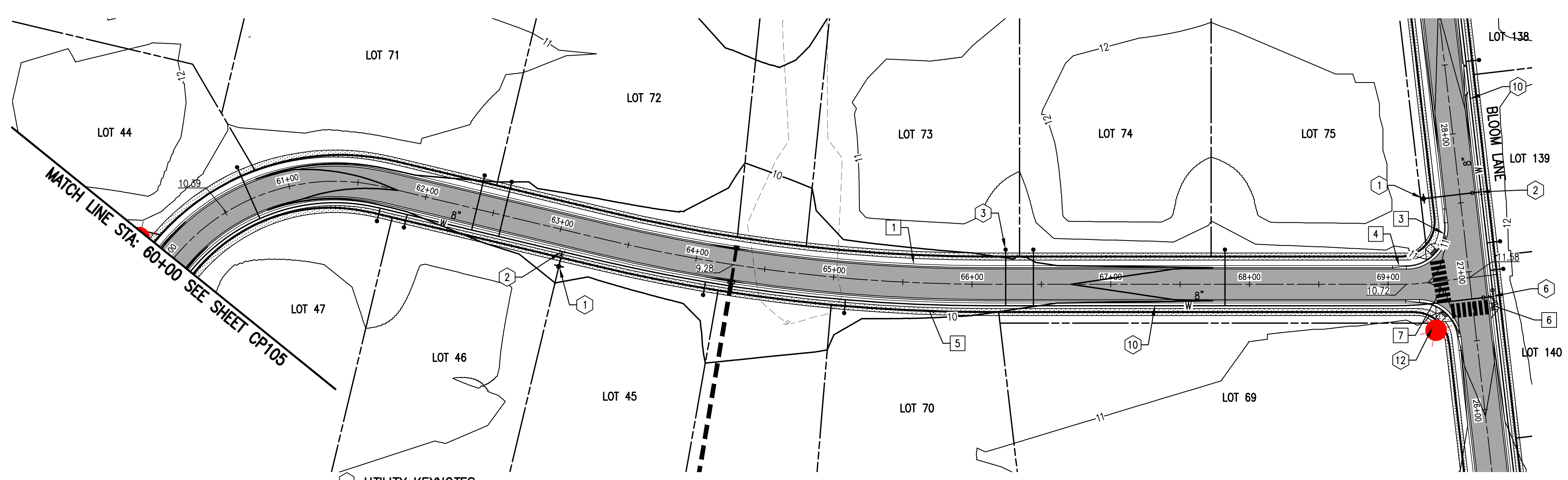


S:\projects\1784_Puddin_Ridge - Justin\External References\Construction Drawings\11-14-23 Submittal Set\32083 Subdivision Planning [CP105] - Tuesday November 14, 2023, 3:02pm



DESIGNED	RWS
DRAWN	LDU
CHECKED	DMW
APPROVED	CSA
DATE	10/03/23

REVISION	NO.	DESCRIPTION

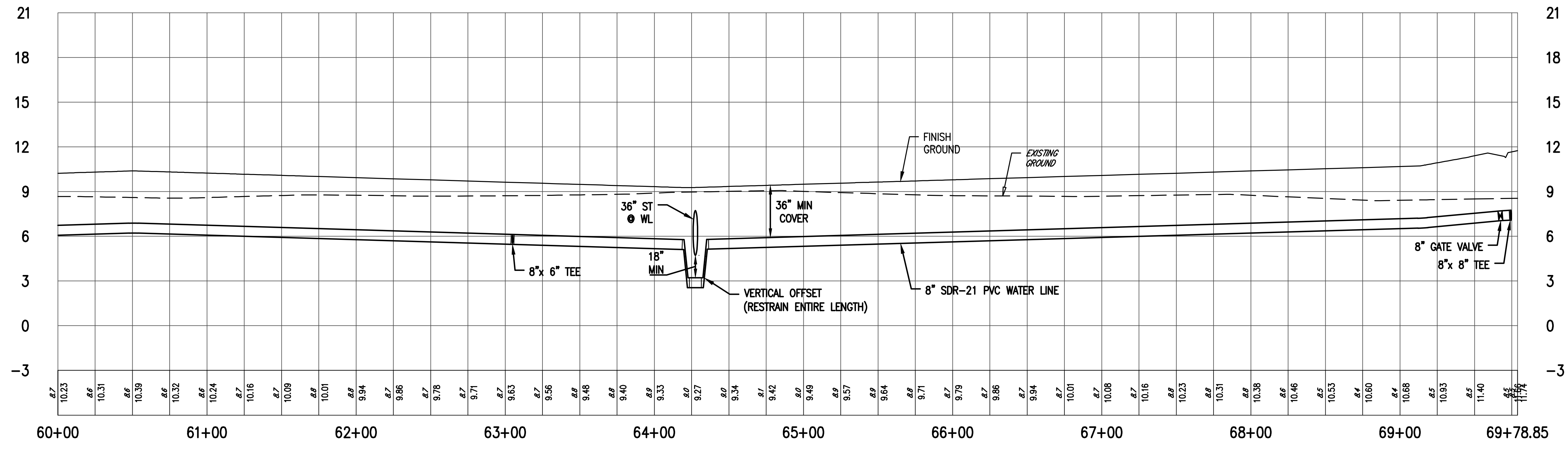
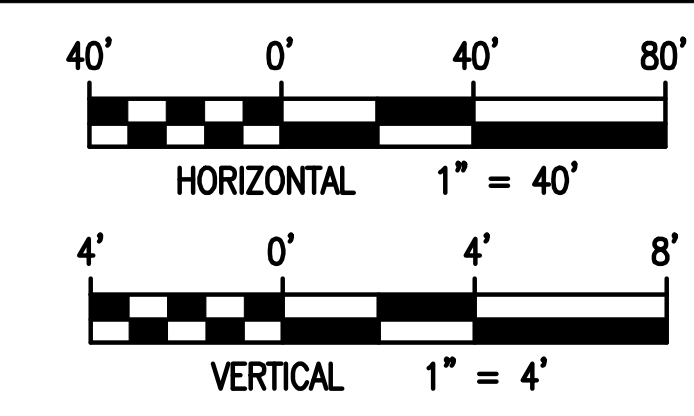
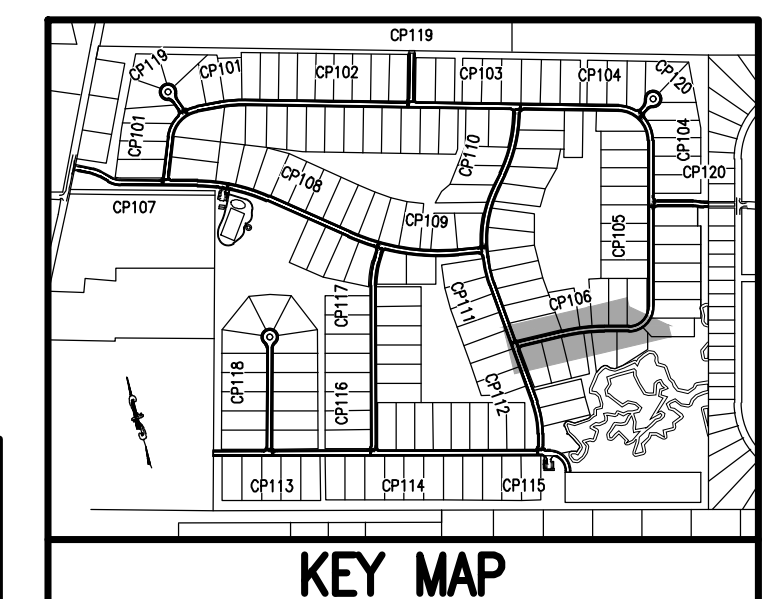


- UTILITY KEYNOTES:**
- | | |
|--------------------------------------|--|
| 1. FIRE HYDRANT ASSEMBLY | 10. 8" SDR-21 PVC WATER MAIN |
| 2. 8"x 6" TEE & 6" GATE VALVE | 11. 4" SDR-21 PVC WATER MAIN |
| 3. 3/4" WATER SERVICE (TYP) | 12. STREET LIGHT (TYP) |
| 4. 8"x 4" TEE & 4" GATE VALVE | 13. 45° BEND (TYP) |
| 5. 8" GATE VALVE | 14. 8" DEAD END CAP W/ BLOW OFF ASSEMBLY |
| 6. 8"x 8" TEE & (2) GATE VALVES | |
| 7. 2" BLOW OFF VALVE | |
| 8. 8"x 8" CUT-IN TEE & 8" GATE VALVE | |
| 9. 8"x 4" REDUCER | |

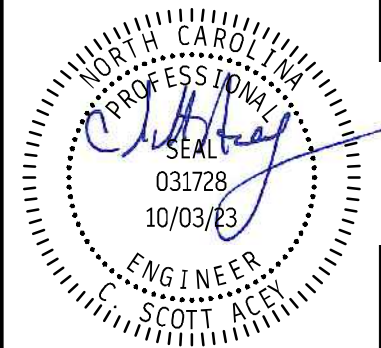
- NEW WORK KEYNOTES:**
- | | |
|-----------------------------------|---|
| 1. CURB & GUTTER VALLEY | 9. WHEELSTOP (TYP) |
| 2. STANDARD ROLLED CURB | 10. MAILBOX KIOSK |
| 3. CURB & GUTTER | 11. VAN ACCESSIBLE HANDICAP SIGN AS PER ADA STANDARDS |
| 4. CURB & GUTTER TRANSITION (TYP) | 12. 18.5'x 45' FUTURE CONNECTION EASEMENT |
| 5. 5" CONCRETE SIDEWALK | |
| 6. ACCESSIBLE RAMP (TYP) | |
| 7. PEDESTRIAN CROSSWALK (TYP) | |
| 8. 5' NON-ACCESS BUFFER | |

PEMA STREET (40' R/W)
SCALE: 1"=40'

SEE SHEET CG108 FOR STORM SEWER SCHEDULE

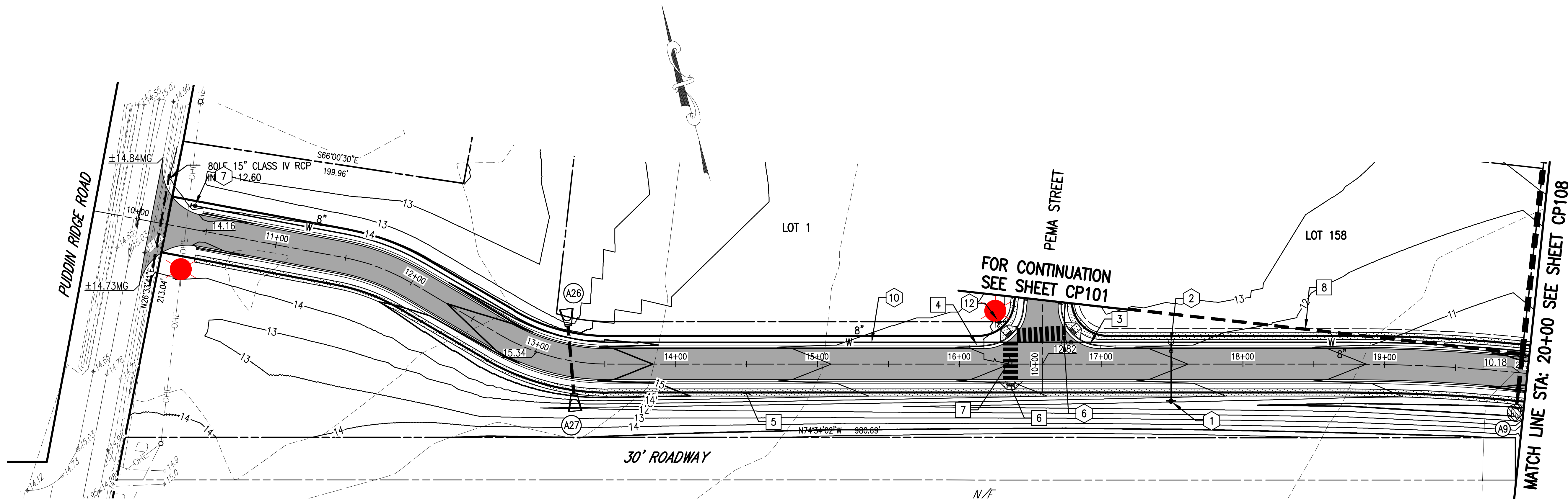


S:\projects\1784_Pudlin Ridge - Justin\External References\Construction Drawings\11-14-23 Submittal Set\23083 Subdivision Planning [CP106] - Tuesday November 14, 2023, 3:02pm



DESIGNED	RWS	LDU	DMW	CSA	DATE
DRAWN					10/03/23
CHECKED					
APPROVED					

REVISION	NO.	DESCRIPTION



UTILITY KEYNOTES:

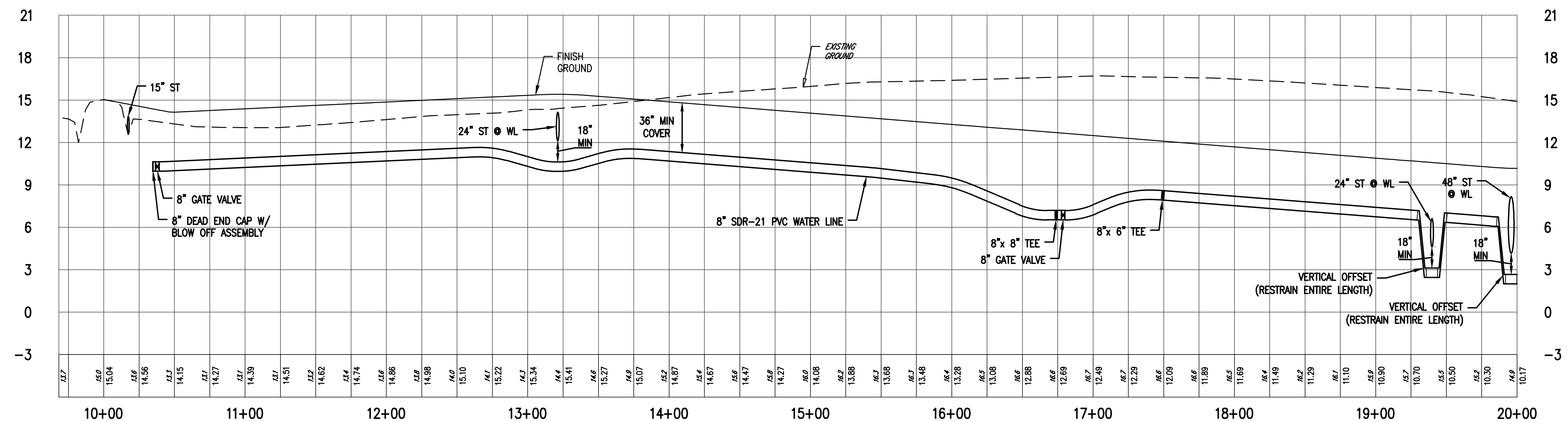
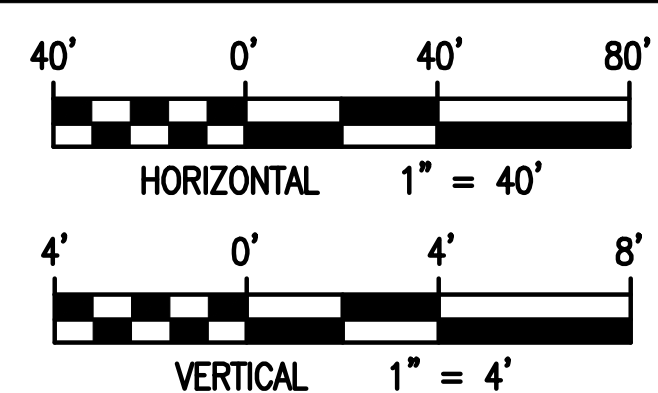
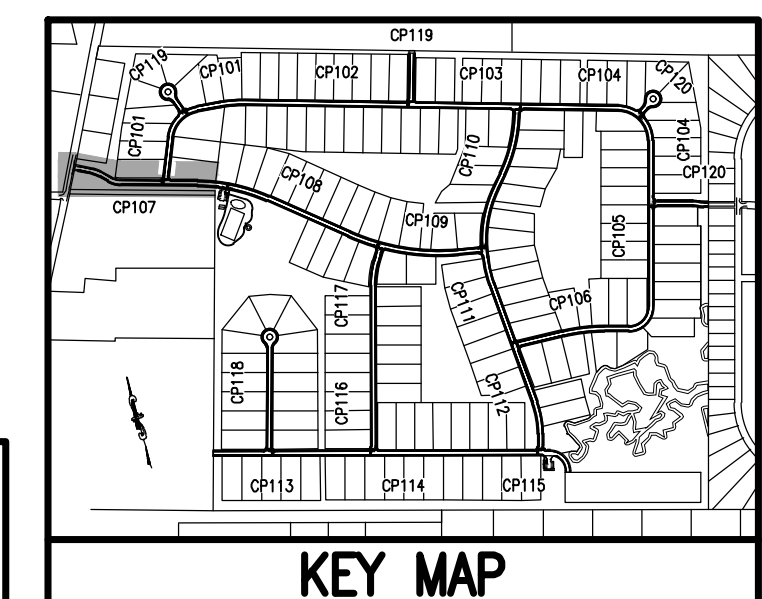
- | | |
|---------------------------------------|--|
| 1. FIRE HYDRANT ASSEMBLY | 10. 8" SDR-21 PVC WATER MAIN |
| 2. 8" x 6" TEE & 6" GATE VALVE | 11. 4" SDR-21 PVC WATER MAIN |
| 3. 3/4" WATER SERVICE (TYP) | 12. STREET LIGHT (TYP) |
| 4. 8" x 4" TEE & 4" GATE VALVE | 13. 45° BEND (TYP) |
| 5. 8" GATE VALVE | 14. 8" DEAD END CAP W/ BLOW OFF ASSEMBLY |
| 6. 8" x 8" TEE & (2) GATE VALVES | |
| 7. 2" BLOW OFF VALVE | |
| 8. 8" x 8" CUT-IN TEE & 8" GATE VALVE | |
| 9. 8" x 4" REDUCER | |

NEW WORK KEYNOTES:

- | | |
|-----------------------------------|---|
| 1. CURB & GUTTER VALLEY | 9. WHEELSTOP (TYP) |
| 2. STANDARD ROLLED CURB | 10. MAILBOX KIOSK |
| 3. CURB & GUTTER | 11. VAN ACCESSIBLE HANDICAP SIGN AS PER ADA STANDARDS |
| 4. CURB & GUTTER TRANSITION (TYP) | 12. 18.5' x 45' FUTURE CONNECTION EASEMENT |
| 5. 5" CONCRETE SIDEWALK | |
| 6. ACCESSIBLE RAMP (TYP) | |
| 7. PEDESTRIAN CROSSWALK (TYP) | |
| 8. 5' NON-ACCESS BUFFER | |

POPPY STREET (40' R/W)
SCALE: 1"=40'

SEE SHEET CG108 FOR STORM SEWER SCHEDULE

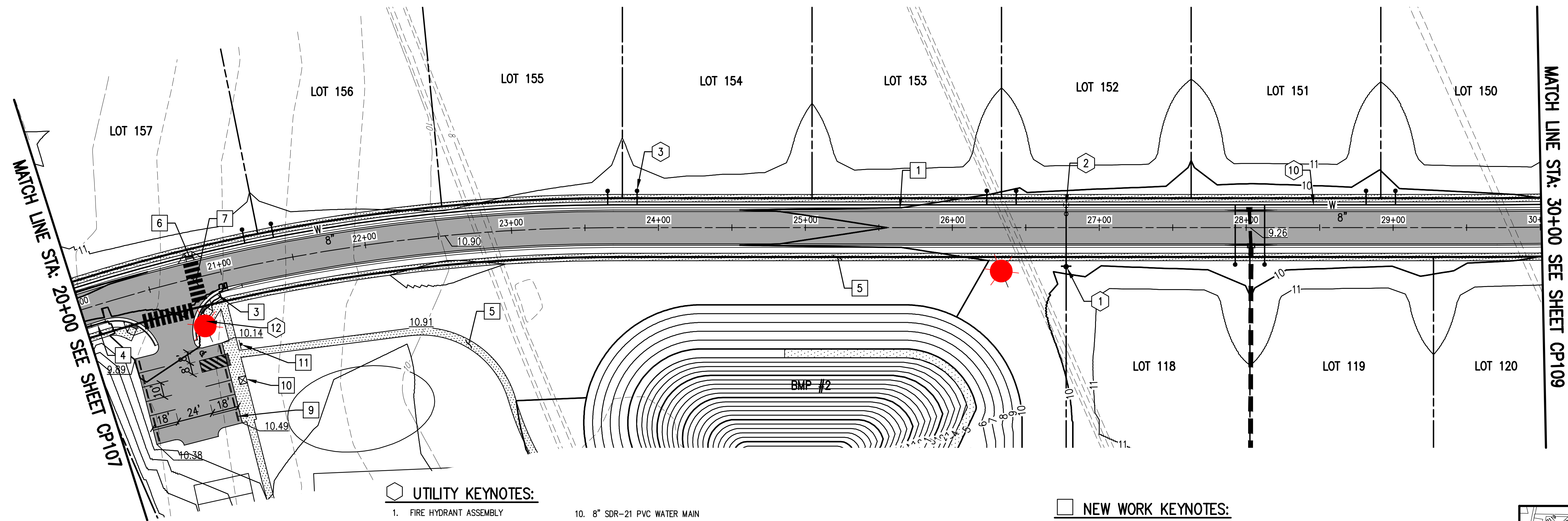


S:\projects\1784 Puddim Ridge - Justin\External References\Construction Drawings\11-14-23 Submittal Set\3083 Subdivision Planning [CP107] - Tuesday November 14, 2023, 3:02pm



DESIGNED	RMS	LDU	DMW	CSA	DATE
DRAWN					10/03/23
CHECKED					
APPROVED					

REVISION	NO.	DESCRIPTION



UTILITY KEYNOTES:

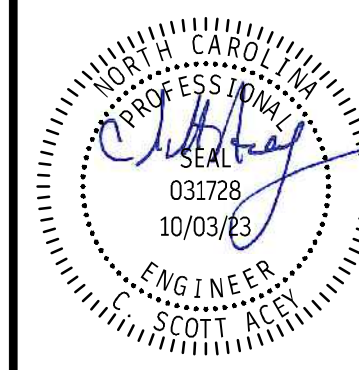
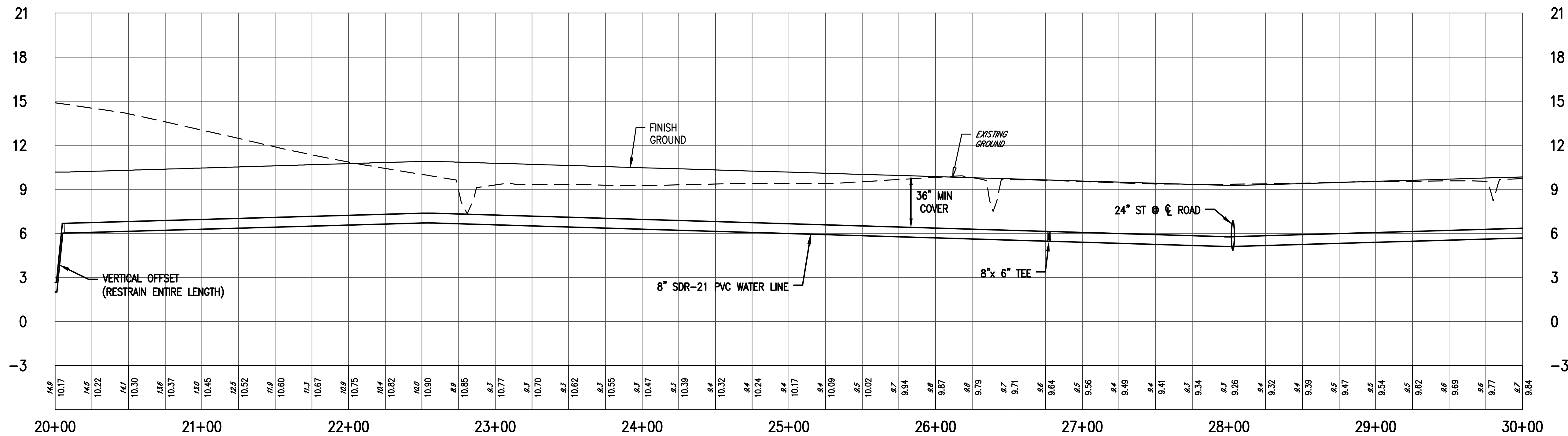
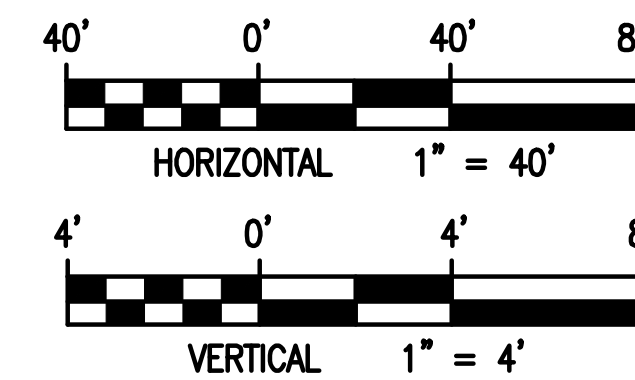
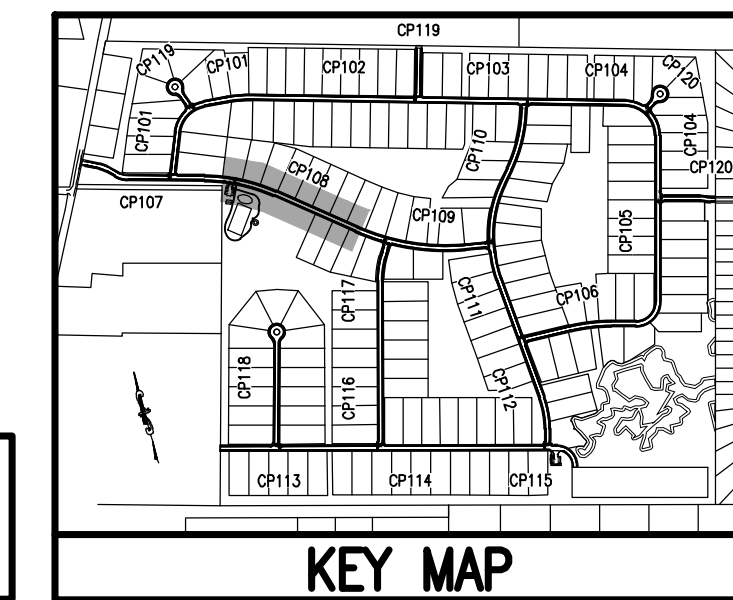
- | | |
|--------------------------------------|--|
| 1. FIRE HYDRANT ASSEMBLY | 10. 8" SDR-21 PVC WATER MAIN |
| 2. 8"x 6" TEE & 6" GATE VALVE | 11. 4" SDR-21 PVC WATER MAIN |
| 3. 3/4" WATER SERVICE (TYP) | 12. STREET LIGHT (TYP) |
| 4. 8"x 4" TEE & 4" GATE VALVE | 13. 45° BEND (TYP) |
| 5. 8" GATE VALVE | 14. 8" DEAD END CAP W/ BLOW OFF ASSEMBLY |
| 6. 8"x 8" TEE & (2) GATE VALVES | |
| 7. 2" BLOW OFF VALVE | |
| 8. 8"x 8" CUT-IN TEE & 8" GATE VALVE | |
| 9. 8"x 4" REDUCER | |

NEW WORK KEYNOTES:

- | | |
|-----------------------------------|---|
| 1. CURB & GUTTER VALLEY | 9. WHEELSTOP (TYP) |
| 2. STANDARD ROLLED CURB | 10. MAILBOX KIOSK |
| 3. CURB & GUTTER | 11. VAN ACCESSIBLE HANDICAP SIGN AS PER ADA STANDARDS |
| 4. CURB & GUTTER TRANSITION (TYP) | 12. 18.5'x 45' FUTURE CONNECTION EASEMENT |
| 5. 5" CONCRETE SIDEWALK | |
| 6. ACCESSIBLE RAMP (TYP) | |
| 7. PEDESTRIAN CROSSWALK (TYP) | |
| 8. 5' NON-ACCESS BUFFER | |

POPPY STREET (40' R/W)
SCALE: 1"=40'

SEE SHEET CG108 FOR STORM SEWER SCHEDULE

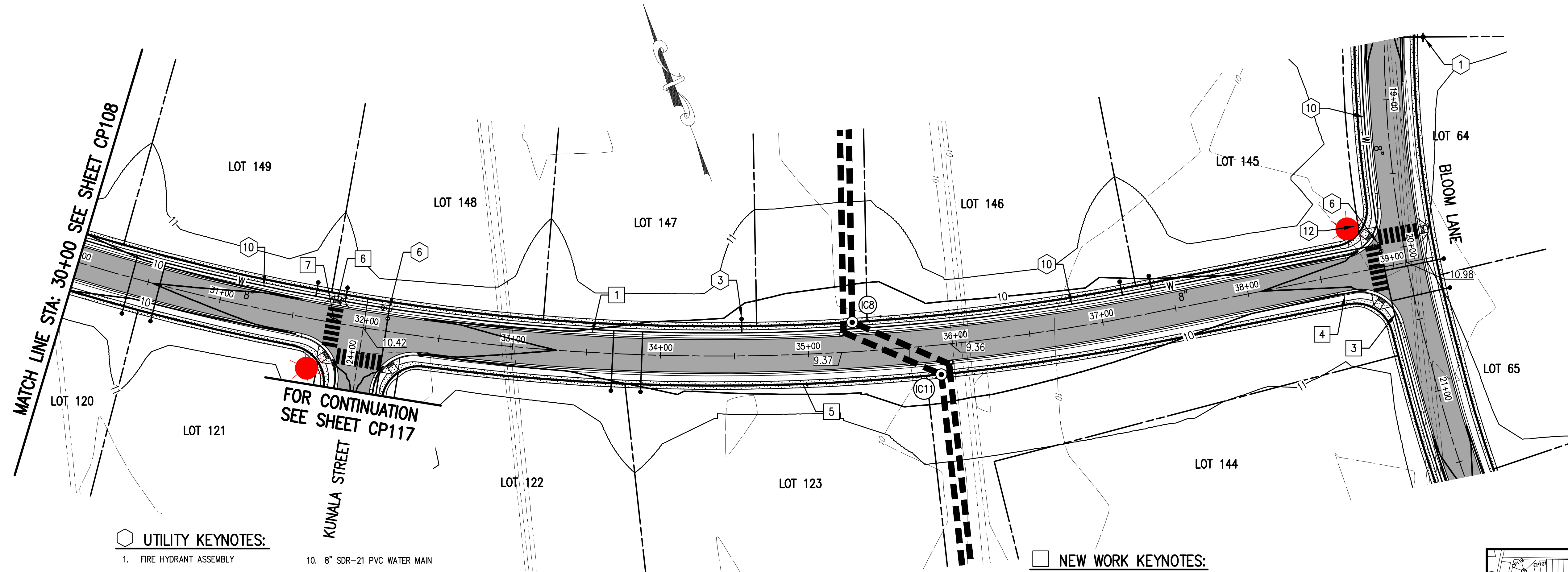


DESIGNED	RWS
DRAWN	LDJ
CHECKED	DMW
APPROVED	CSA
DATE	10/03/23

REVISION	NO.	DESCRIPTION

PLAN & PROFILE OF
LOTUS RIDGE
POPPY STREET STA: 20+00 - 30+00
MOYOCK TOWNSHIP
CURRITUCK COUNTY NORTH CAROLINA

S:\projects\1784_Puddin_Ridge - Justin\External References\Construction Drawings\11-14-23_Submittal Set\23083_Subdivision_Planning_CPI108.dwg - Tuesday November 14, 2023, 3:02pm



UTILITY KEYNOTES:

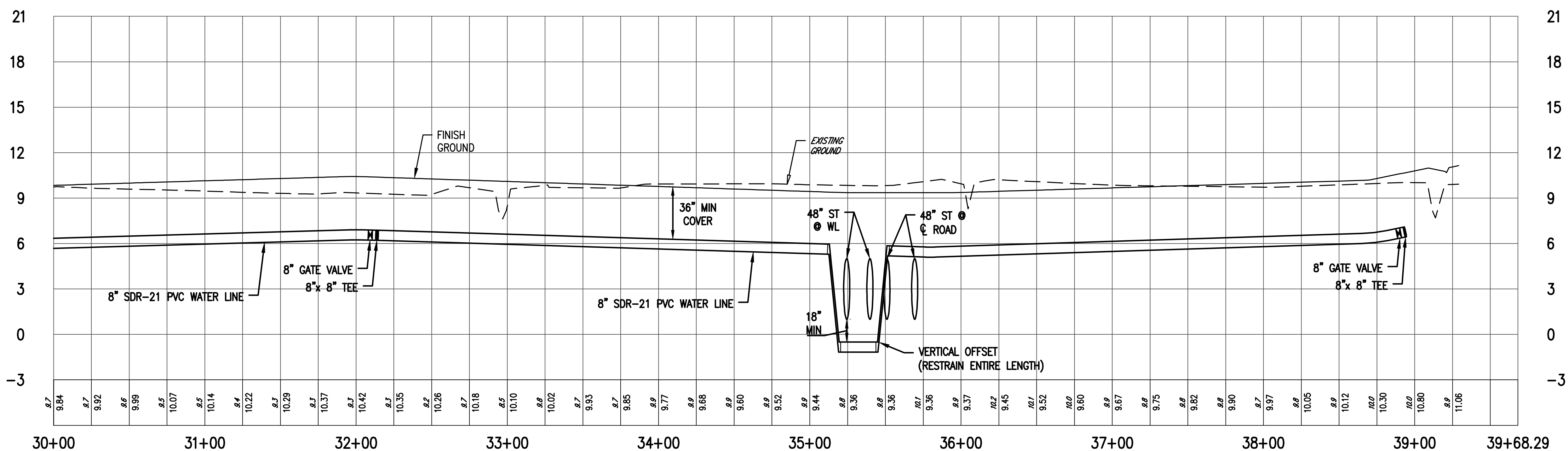
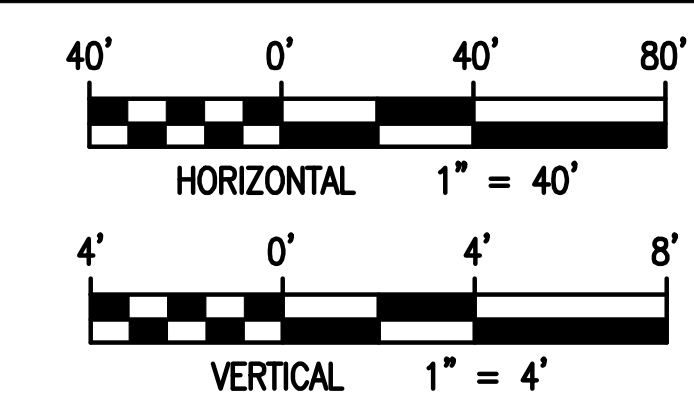
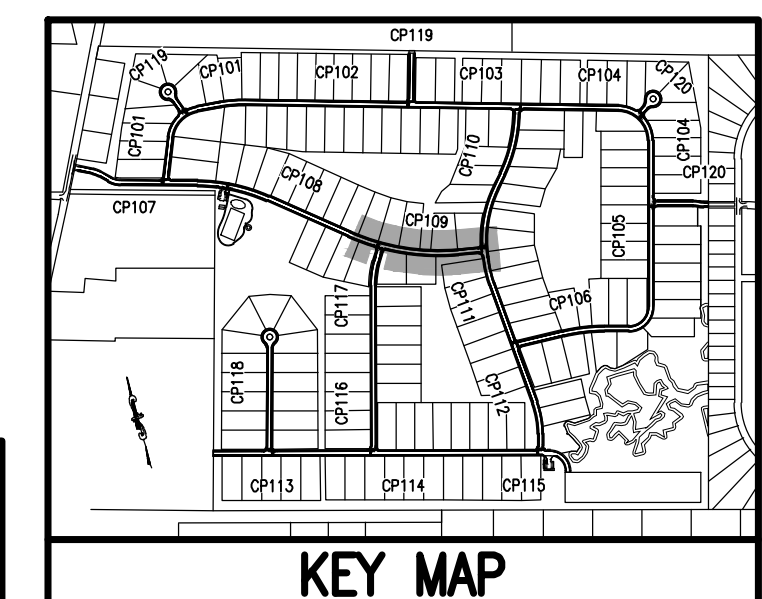
- 1. FIRE HYDRANT ASSEMBLY
- 2. 8" x 6" TEE & 6" GATE VALVE
- 3. 3/4" WATER SERVICE (TYP)
- 4. 8" x 4" TEE & 4" GATE VALVE
- 5. 8" GATE VALVE
- 6. 8" x 8" TEE & (2) GATE VALVES
- 7. 2" BLOW OFF VALVE
- 8. 8" x 8" CUT-IN TEE & 8" GATE VALVE
- 9. 8" x 4" REDUCER
- 10. 8" SDR-21 PVC WATER MAIN
- 11. 4" SDR-21 PVC WATER MAIN
- 12. STREET LIGHT (TYP)
- 13. 45° BEND (TYP)
- 14. 8" DEAD END CAP W/ BLOW OFF ASSEMBLY

NEW WORK KEYNOTES:

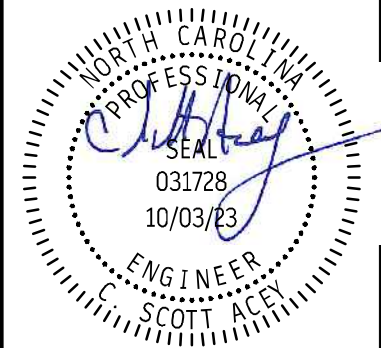
- 1. CURB & GUTTER VALLEY
- 2. STANDARD ROLLED CURB
- 3. CURB & GUTTER
- 4. CURB & GUTTER TRANSITION (TYP)
- 5. 5" CONCRETE SIDEWALK
- 6. ACCESSIBLE RAMP (TYP)
- 7. PEDESTRIAN CROSSWALK (TYP)
- 8. 5' NON-ACCESS BUFFER
- 9. WHEELSTOP (TYP)
- 10. MAILBOX KIOSK
- 11. VAN ACCESSIBLE HANDICAP SIGN AS PER ADA STANDARDS
- 12. 18.5' x 45' FUTURE CONNECTION EASEMENT

POPPY STREET (40' R/W)
SCALE: 1"=40'

SEE SHEET CG108 FOR STORM SEWER SCHEDULE

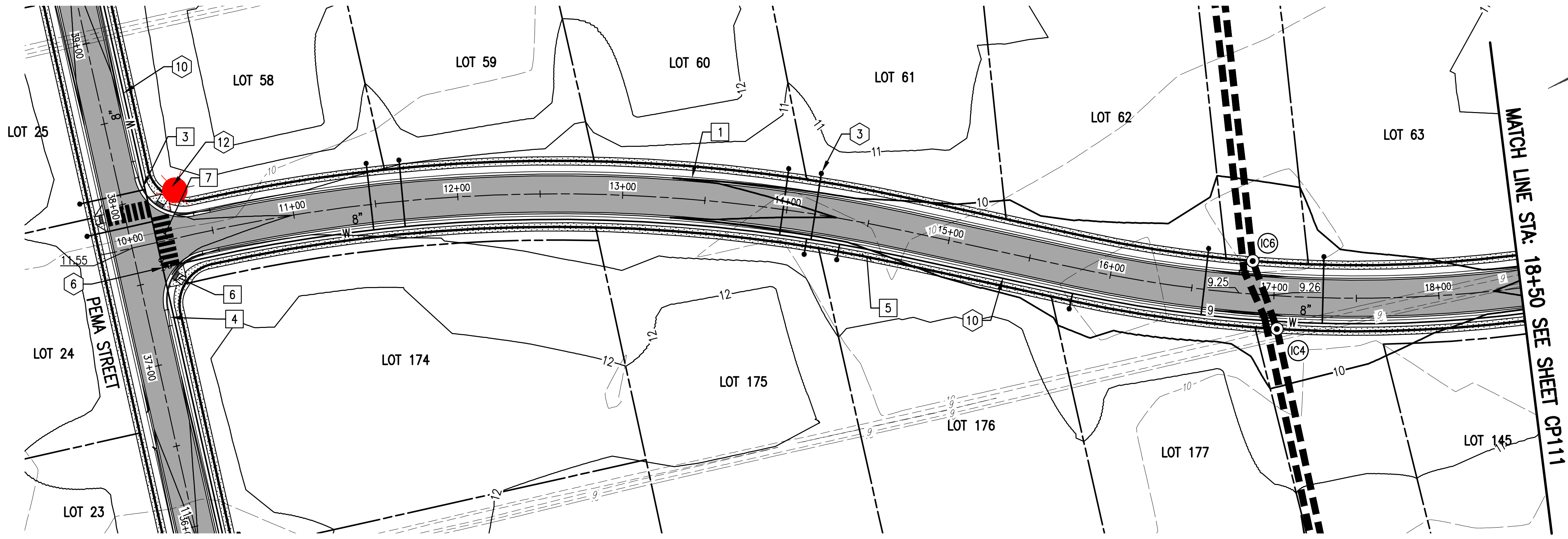


S:\projects\1784_Puddin_Ridge - Justin\External References\Continuation Drawings\11-14-23 Submittal Set\32083 Subdivision Planning [CP109] - Tuesday November 14, 2023, 3:02pm



DESIGNED	RWS	LDU	DMW	CSA	DATE
DRAWN					10/03/23
CHECKED					
APPROVED					

REVISION	NO.	DESCRIPTION



UTILITY KEYNOTES:

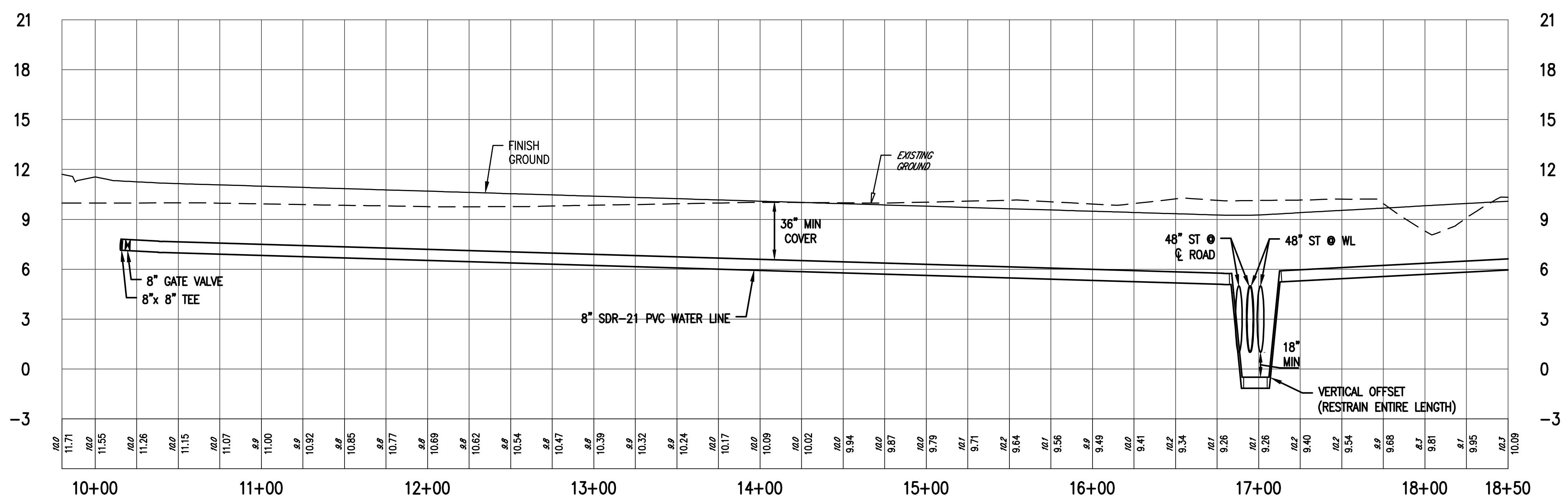
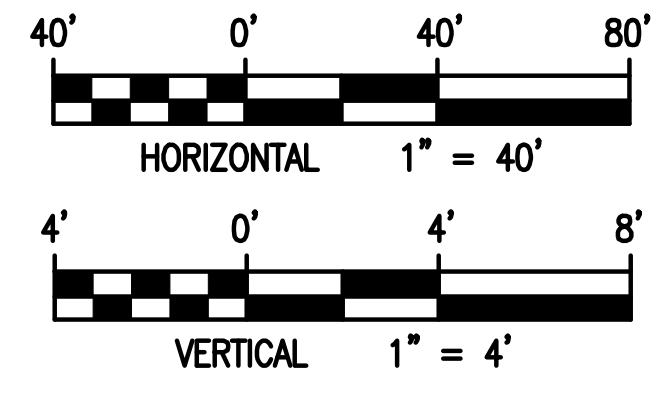
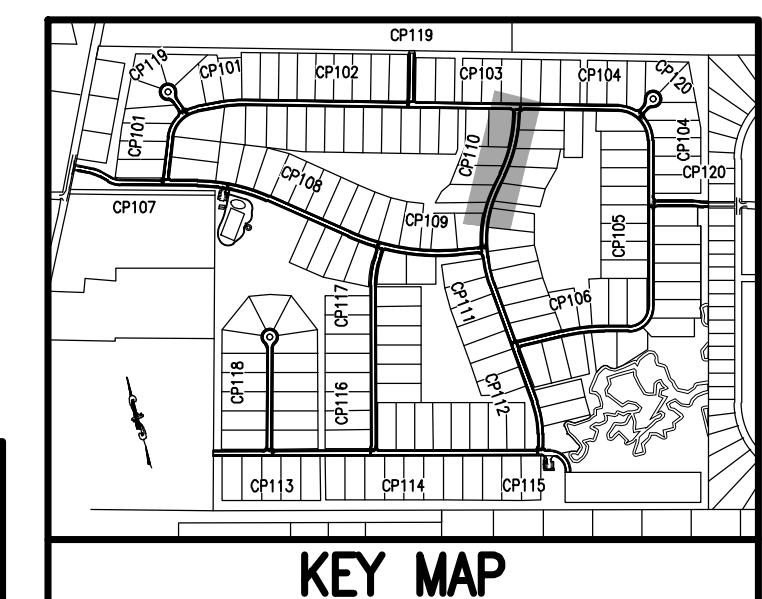
- | | |
|---------------------------------------|--|
| 1. FIRE HYDRANT ASSEMBLY | 10. 8" SDR-21 PVC WATER MAIN |
| 2. 8" x 6" TEE & 6" GATE VALVE | 11. 4" SDR-21 PVC WATER MAIN |
| 3. 3/4" WATER SERVICE (TYP) | 12. STREET LIGHT (TYP) |
| 4. 8" x 4" TEE & 4" GATE VALVE | 13. 45° BEND (TYP) |
| 5. 8" GATE VALVE | 14. 8" DEAD END CAP W/ BLOW OFF ASSEMBLY |
| 6. 8" x 8" TEE & (2) GATE VALVES | |
| 7. 2" BLOW OFF VALVE | |
| 8. 8" x 8" CUT-IN TEE & 8" GATE VALVE | |
| 9. 8" x 4" REDUCER | |

NEW WORK KEYNOTES:

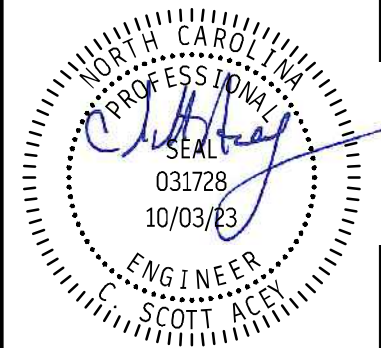
- | | |
|-----------------------------------|---|
| 1. CURB & GUTTER VALLEY | 9. WHEELSTOP (TYP) |
| 2. STANDARD ROLLED CURB | 10. MAILBOX KIOSK |
| 3. CURB & GUTTER | 11. VAN ACCESSIBLE HANDICAP SIGN AS PER ADA STANDARDS |
| 4. CURB & GUTTER TRANSITION (TYP) | 12. 18.5' x 45' FUTURE CONNECTION EASEMENT |
| 5. 5" CONCRETE SIDEWALK | |
| 6. ACCESSIBLE RAMP (TYP) | |
| 7. PEDESTRIAN CROSSWALK (TYP) | |
| 8. 5' NON-ACCESS BUFFER | |

BLOOM LANE (40' R/W)
SCALE: 1"=40'

SEE SHEET CG108 FOR STORM SEWER SCHEDULE

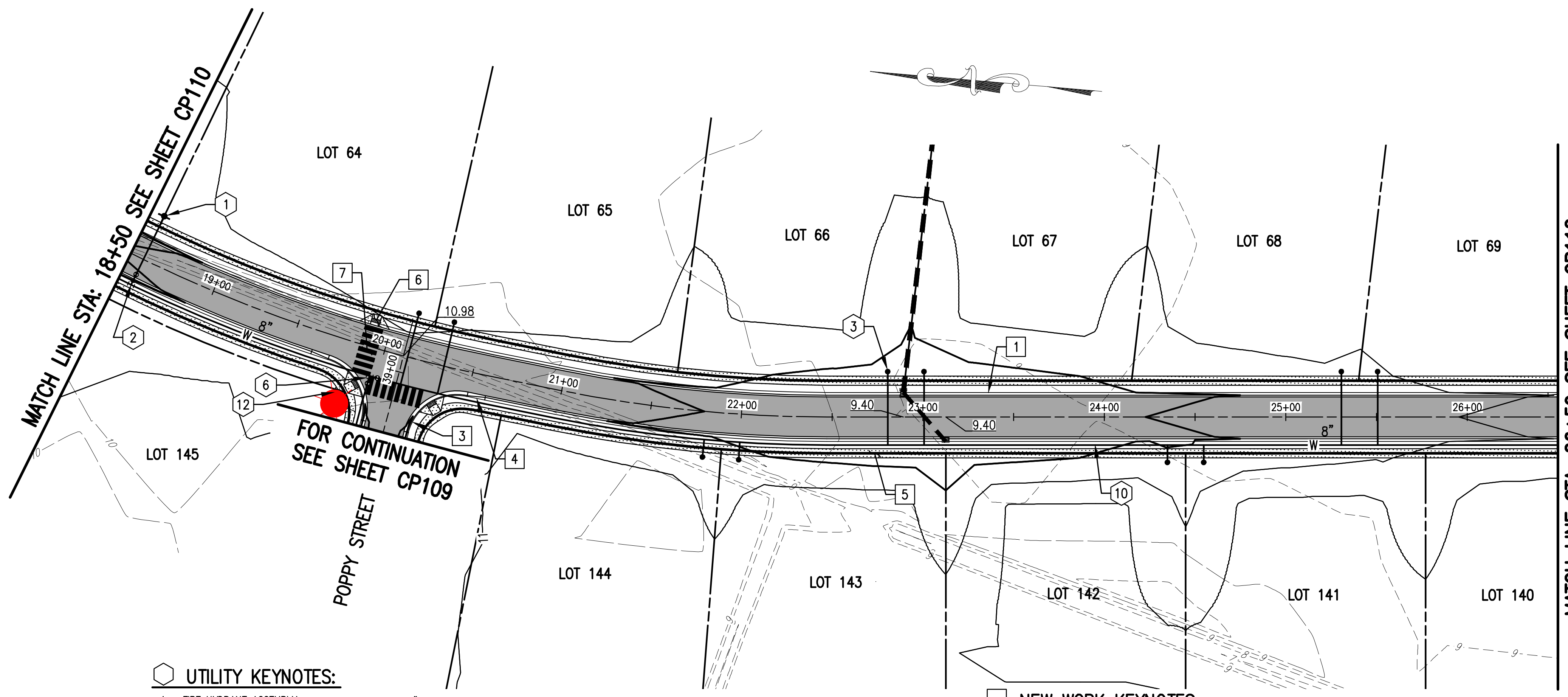


S:\projects\1784_Puddin_Ridge - Justin\External References\Construction Drawings\11-14-23_Submittal Set\3083_Subdivision_Planning [CP110] - Tuesday, November 14, 2023, 3:03pm



DESIGNED	RMS	LDJ	DMW	CSA	DATE
DRAWN					10/03/23
CHECKED					
APPROVED					

REVISION	NO.	DESCRIPTION



UTILITY KEYNOTES:

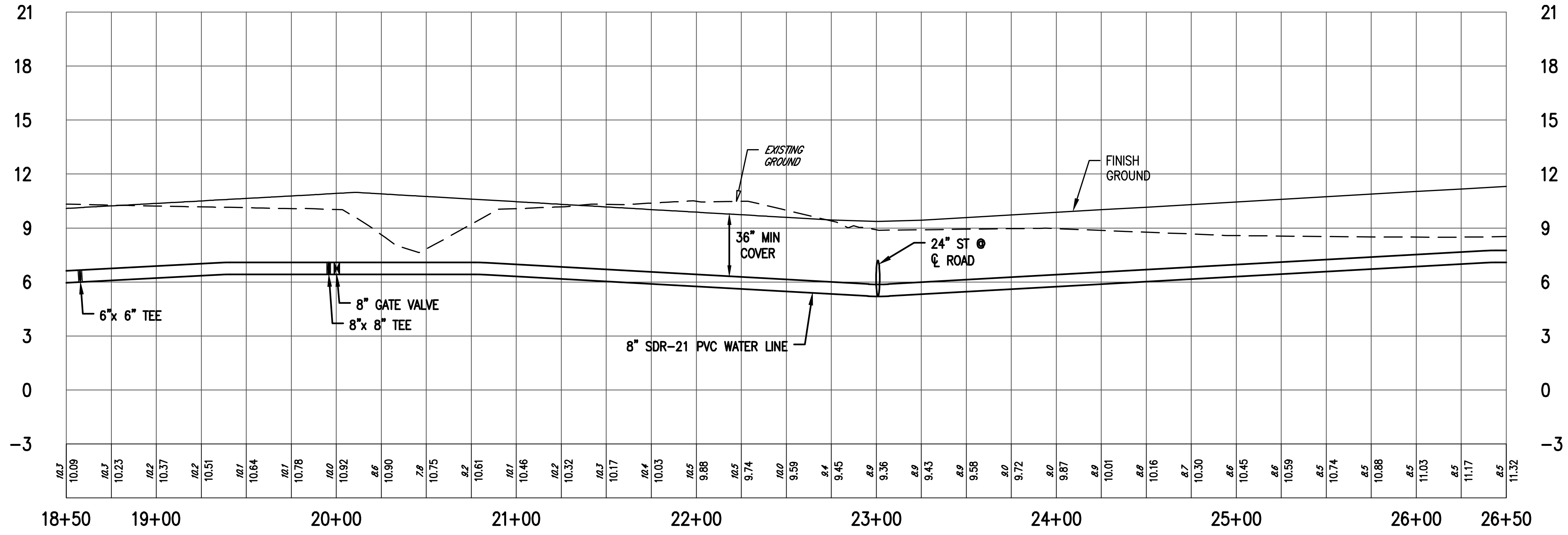
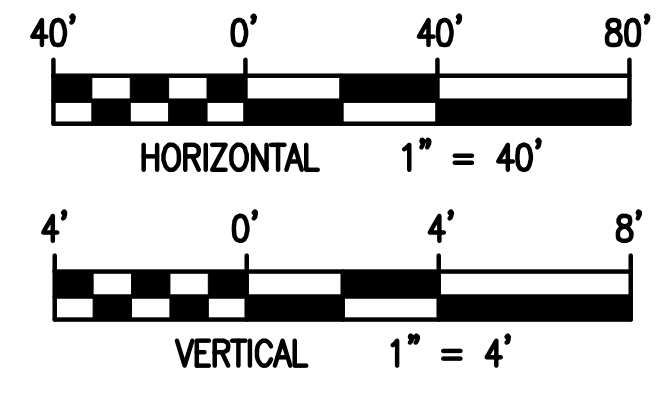
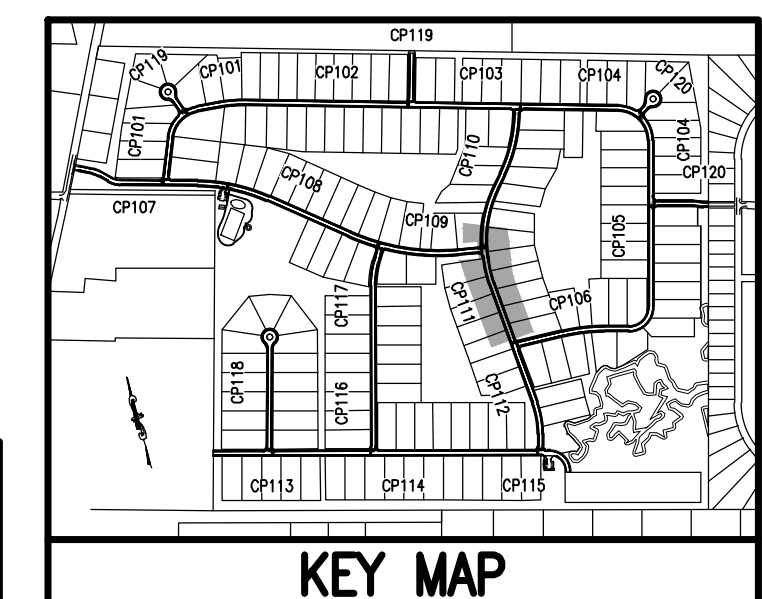
- | | |
|--------------------------------------|--|
| 1. FIRE HYDRANT ASSEMBLY | 10. 8" SDR-21 PVC WATER MAIN |
| 2. 8"x 6" TEE & 6" GATE VALVE | 11. 4" SDR-21 PVC WATER MAIN |
| 3. 3/4" WATER SERVICE (TYP) | 12. STREET LIGHT (TYP) |
| 4. 8"x 4" TEE & 4" GATE VALVE | 13. 45° BEND (TYP) |
| 5. 8" GATE VALVE | 14. 8" DEAD END CAP W/ BLOW OFF ASSEMBLY |
| 6. 8"x 8" TEE & (2) GATE VALVES | |
| 7. 2" BLOW OFF VALVE | |
| 8. 8"x 8" CUT-IN TEE & 8" GATE VALVE | |
| 9. 8"x 4" REDUCER | |

NEW WORK KEYNOTES:

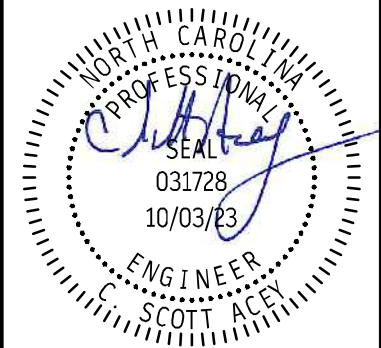
- | | |
|-----------------------------------|---|
| 1. CURB & GUTTER VALLEY | 9. WHEELSTOP (TYP) |
| 2. STANDARD ROLLED CURB | 10. MAILBOX KIOSK |
| 3. CURB & GUTTER | 11. VAN ACCESSIBLE HANDICAP SIGN AS PER ADA STANDARDS |
| 4. CURB & GUTTER TRANSITION (TYP) | 12. 18.5'x 45' FUTURE CONNECTION EASEMENT |
| 5. 5" CONCRETE SIDEWALK | |
| 6. ACCESSIBLE RAMP (TYP) | |
| 7. PEDESTRIAN CROSSWALK (TYP) | |
| 8. 5' NON-ACCESS BUFFER | |

BLOOM LANE (40' R/W)
SCALE: 1"=40'

SEE SHEET CG108 FOR STORM SEWER SCHEDULE

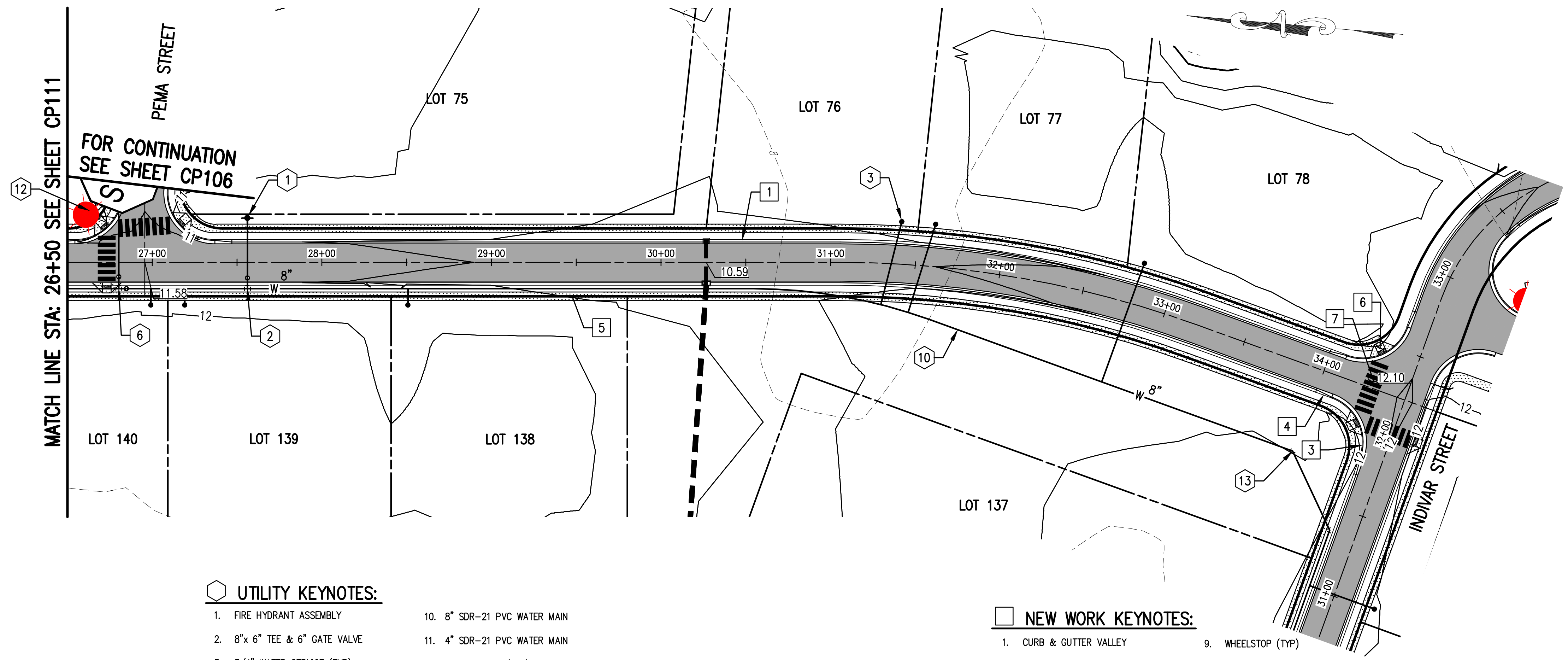


S:\projects\1784_Puddle_Ridge - Justin\External References\Construction Drawings\11-14-23_Submittal Set\32083_Subdivision_Planning [CP111] - Tuesday, November 14, 2023, 3:03pm



DESIGNED	RWS
DRAWN	LDJ
CHECKED	DMW
APPROVED	CSA
DATE	10/03/23

REVISION	DATE	DESCRIPTION



UTILITY KEYNOTES:

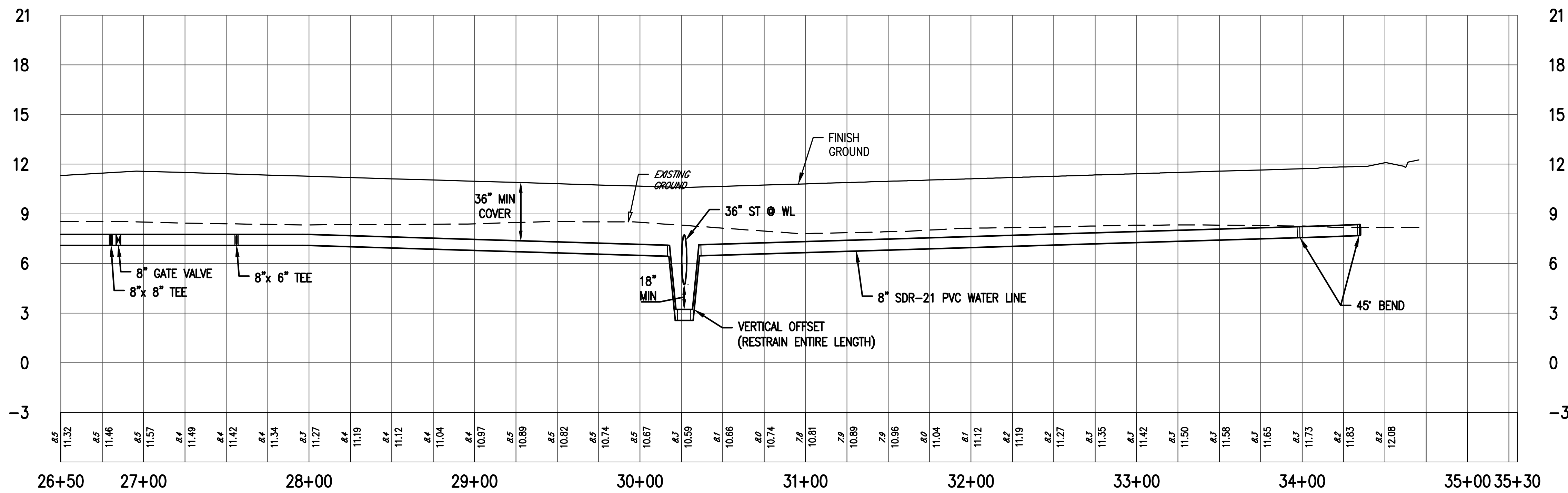
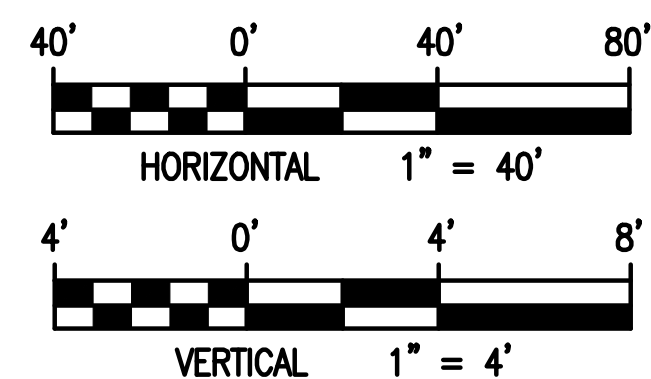
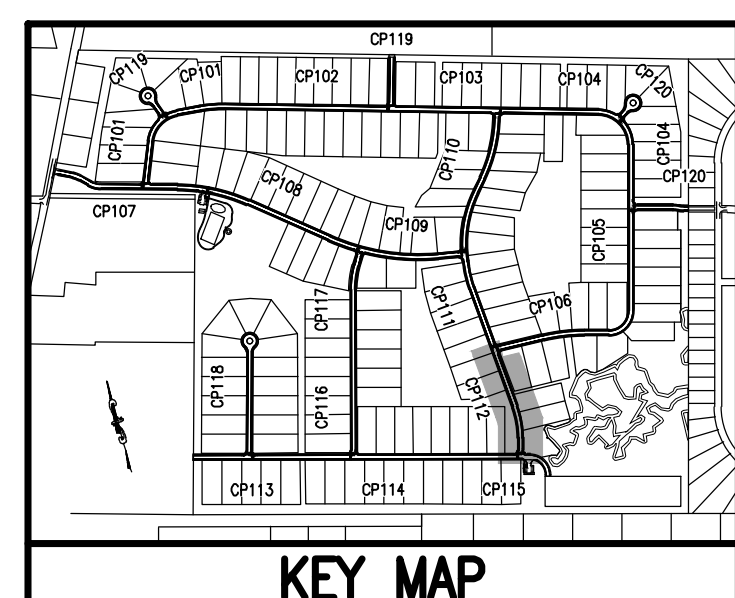
- | | |
|--------------------------------------|--|
| 1. FIRE HYDRANT ASSEMBLY | 10. 8" SDR-21 PVC WATER MAIN |
| 2. 8"x 6" TEE & 6" GATE VALVE | 11. 4" SDR-21 PVC WATER MAIN |
| 3. 3/4" WATER SERVICE (TYP) | 12. STREET LIGHT (TYP) |
| 4. 8"x 4" TEE & 4" GATE VALVE | 13. 45° BEND (TYP) |
| 5. 8" GATE VALVE | 14. 8" DEAD END CAP W/ BLOW OFF ASSEMBLY |
| 6. 8"x 8" TEE & (2) GATE VALVES | |
| 7. 2" BLOW OFF VALVE | |
| 8. 8"x 8" CUT-IN TEE & 8" GATE VALVE | |
| 9. 8"x 4" REDUCER | |

NEW WORK KEYNOTES:

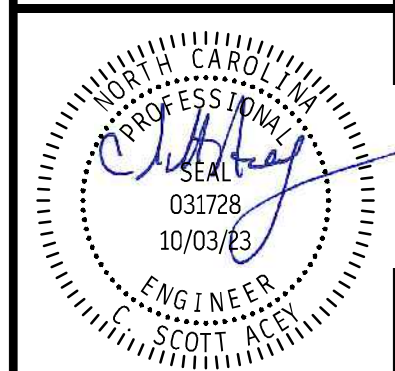
- | | |
|-----------------------------------|---|
| 1. CURB & GUTTER VALLEY | 9. WHEELSTOP (TYP) |
| 2. STANDARD ROLLED CURB | 10. MAILBOX KIOSK |
| 3. CURB & GUTTER | 11. VAN ACCESSIBLE HANDICAP SIGN AS PER ADA STANDARDS |
| 4. CURB & GUTTER TRANSITION (TYP) | 12. 18.5'x 45' FUTURE CONNECTION EASEMENT |
| 5. 5" CONCRETE SIDEWALK | |
| 6. ACCESSIBLE RAMP (TYP) | |
| 7. PEDESTRIAN CROSSWALK (TYP) | |
| 8. 5' NON-ACCESS BUFFER | |

BLOOM LANE (40' R/W)
SCALE: 1"=40'

SEE SHEET CG108 FOR STORM SEWER SCHEDULE

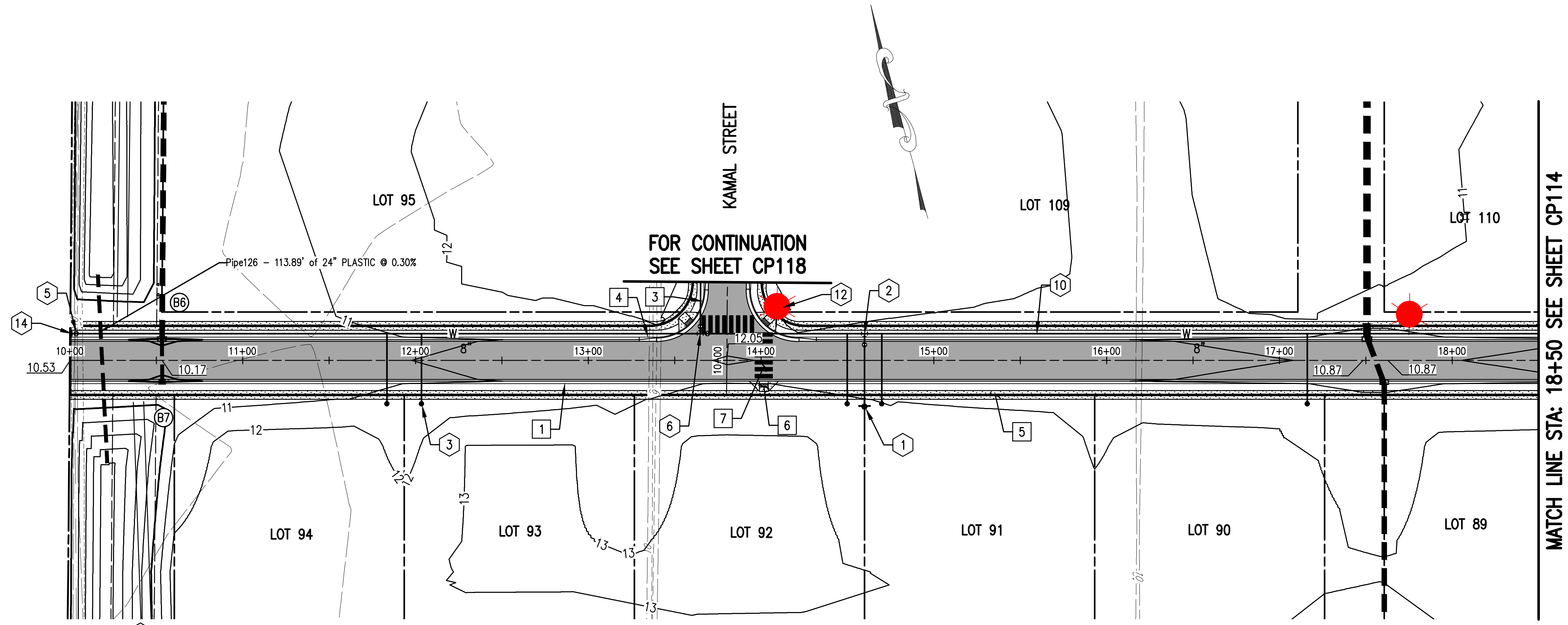


S:\projects\1784_Puddin_Ridge - Justin\External References\Construction Drawings\11-14-23_Submittal Set\32083_Subdivision_Planning_CG112.dwg - Tuesday, November 14, 2023, 3:03pm



DESIGNED	RWS
DRAWN	LDJ
CHECKED	DMW
APPROVED	CSA
DATE	10/03/23

REVISION	NO.	DESCRIPTION



UTILITY KEYNOTES:

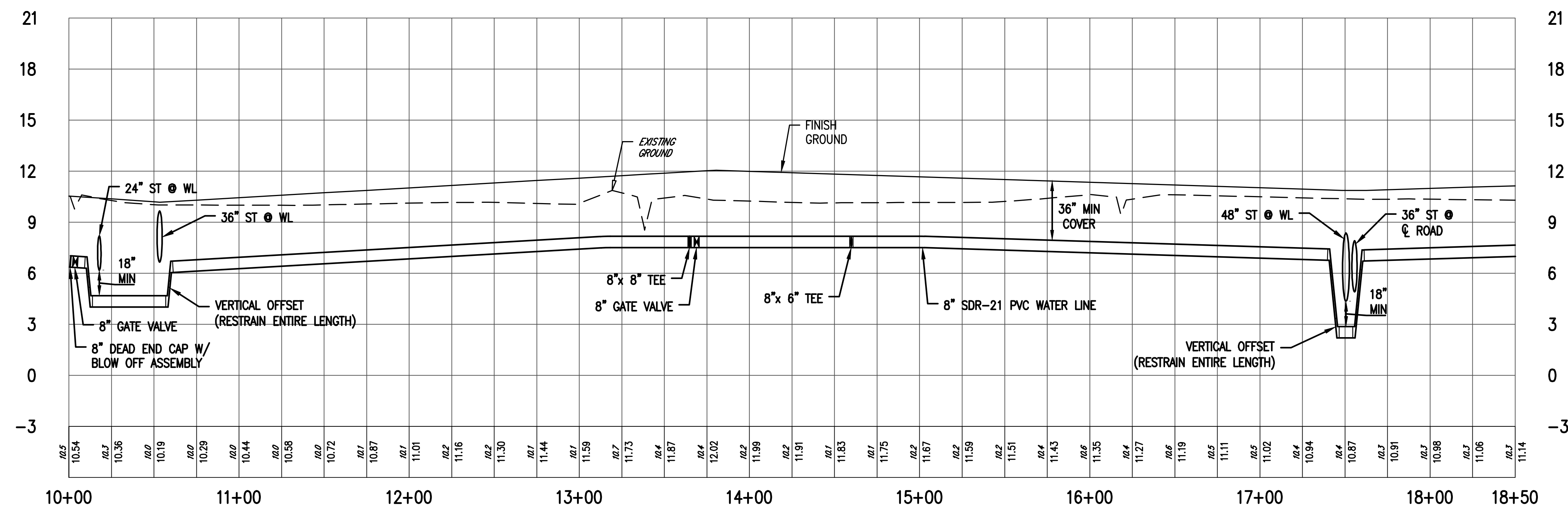
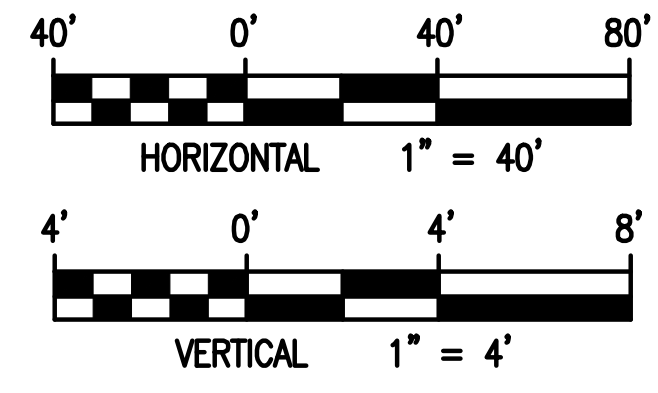
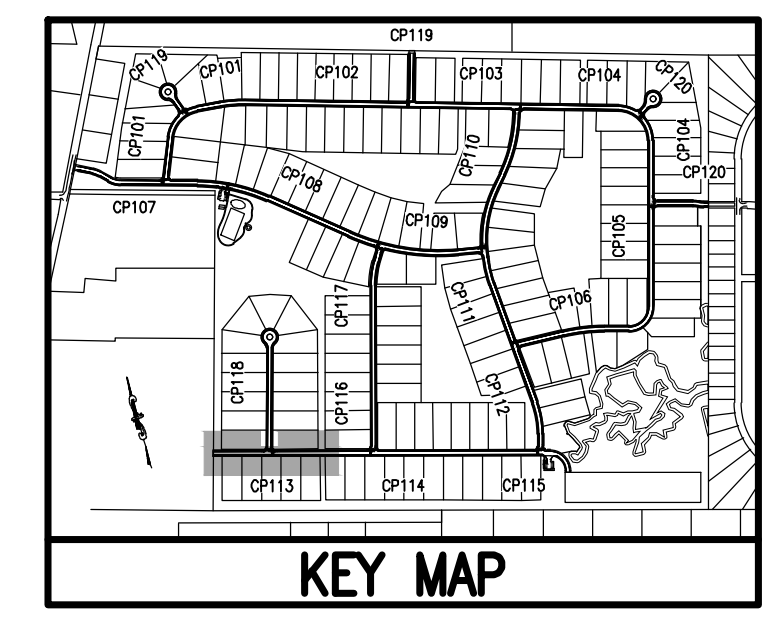
- 1. FIRE HYDRANT ASSEMBLY
- 2. 8" x 6" TEE & 6" GATE VALVE
- 3. 3/4" WATER SERVICE (TYP)
- 4. 8" x 4" TEE & 4" GATE VALVE
- 5. 8" GATE VALVE
- 6. 8" x 8" TEE & (2) GATE VALVES
- 7. 2" BLOW OFF VALVE
- 8. 8" x 8" CUT-IN TEE & 8" GATE VALVE
- 9. 8" x 4" REDUCER
- 10. 8" SDR-21 PVC WATER MAIN
- 11. 4" SDR-21 PVC WATER MAIN
- 12. STREET LIGHT (TYP)
- 13. 45° BEND (TYP)
- 14. 8" DEAD END CAP W/ BLOW OFF ASSEMBLY

NEW WORK KEYNOTES:

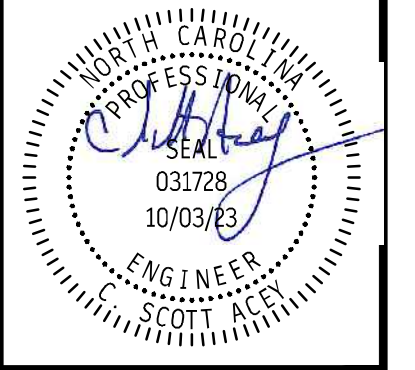
- 1. CURB & GUTTER VALLEY
- 2. STANDARD ROLLED CURB
- 3. CURB & GUTTER
- 4. CURB & GUTTER TRANSITION (TYP)
- 5. 5" CONCRETE SIDEWALK
- 6. ACCESSIBLE RAMP (TYP)
- 7. PEDESTRIAN CROSSWALK (TYP)
- 8. 5' NON-ACCESS BUFFER
- 9. WHEELSTOP (TYP)
- 10. MAILBOX KIOSK
- 11. VAN ACCESSIBLE HANDICAP SIGN AS PER ADA STANDARDS
- 12. 18.5' x 45' FUTURE CONNECTION EASEMENT

INDIVAR STREET (40' R/W)
SCALE: 1"=40'

SEE SHEET CG108 FOR STORM SEWER SCHEDULE

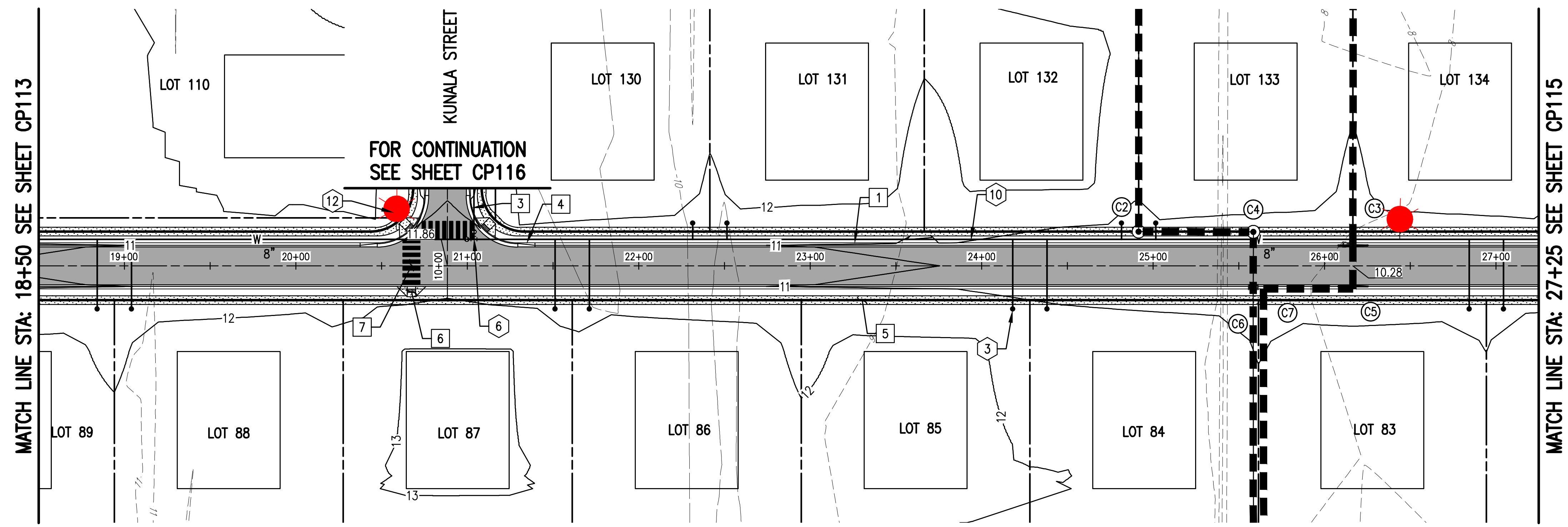


S:\projects\1784_Puddin_Ridge - Justin\External References\Continuation Drawings\11-14-23 Submittal Set\23083 Subdivision Planning [CP113] - Tuesday, November 14, 2023, 3:03pm



DESIGNED	RWS
DRAWN	LDJ
CHECKED	DMW
APPROVED	CSA
DATE	10/03/23

REVISION	NO.	DESCRIPTION



UTILITY KEYNOTES:

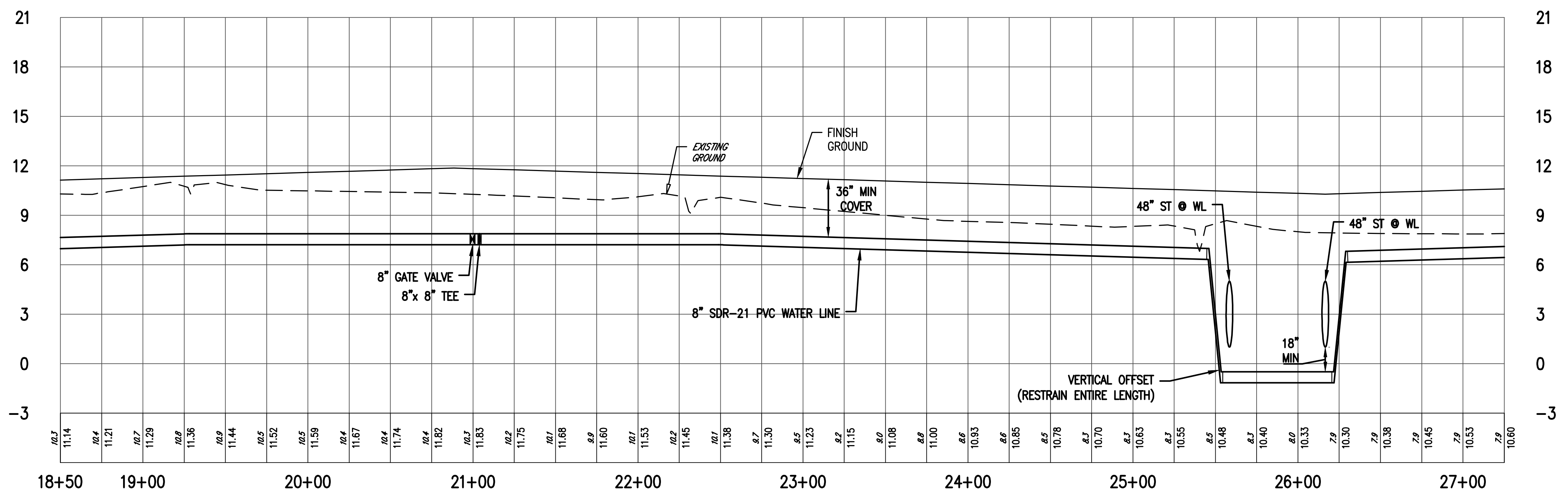
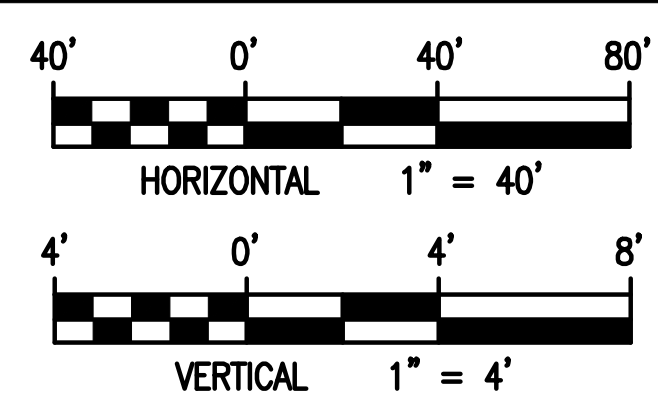
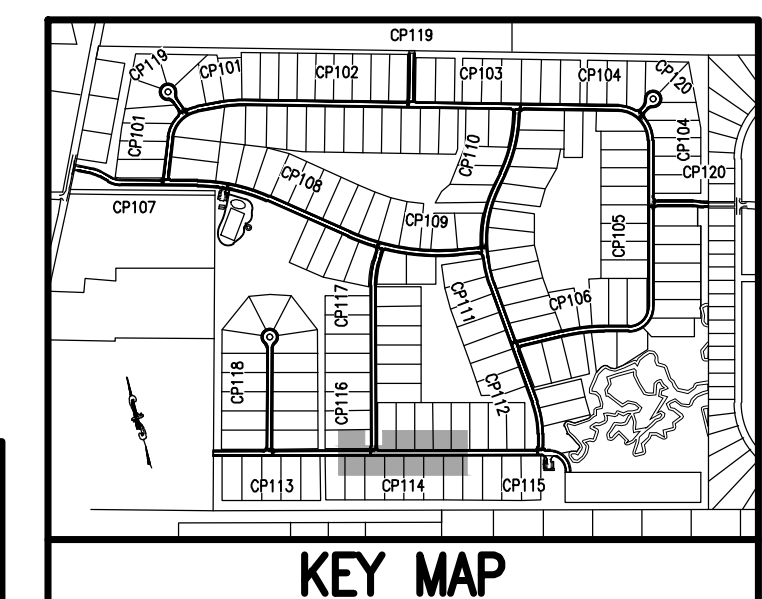
- 1. FIRE HYDRANT ASSEMBLY
- 2. 8" x 6" TEE & 6" GATE VALVE
- 3. 3/4" WATER SERVICE (TYP)
- 4. 8" x 4" TEE & 4" GATE VALVE
- 5. 8" GATE VALVE
- 6. 8" x 8" TEE & (2) GATE VALVES
- 7. 2" BLOW OFF VALVE
- 8. 8" x 8" CUT-IN TEE & 8" GATE VALVE
- 9. 8" x 4" REDUCER
- 10. 8" SDR-21 PVC WATER MAIN
- 11. 4" SDR-21 PVC WATER MAIN
- 12. STREET LIGHT (TYP)
- 13. 45° BEND (TYP)
- 14. 8" DEAD END CAP W/ BLOW OFF ASSEMBLY

NEW WORK KEYNOTES:

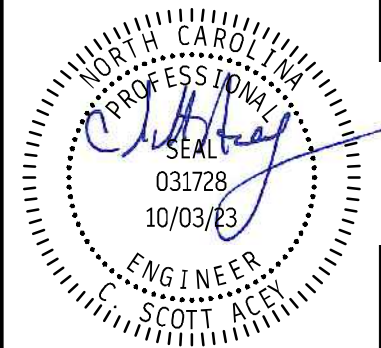
- 1. CURB & GUTTER VALLEY
- 2. STANDARD ROLLED CURB
- 3. CURB & GUTTER
- 4. CURB & GUTTER TRANSITION (TYP)
- 5. 5" CONCRETE SIDEWALK
- 6. ACCESSIBLE RAMP (TYP)
- 7. PEDESTRIAN CROSSWALK (TYP)
- 8. 5' NON-ACCESS BUFFER
- 9. WHEELSTOP (TYP)
- 10. MAILBOX KIOSK
- 11. VAN ACCESSIBLE HANDICAP SIGN AS PER ADA STANDARDS
- 12. 18.5' x 45' FUTURE CONNECTION EASEMENT

INDIVAR STREET (40' R/W)
SCALE: 1"=40'

SEE SHEET CG108 FOR STORM SEWER SCHEDULE



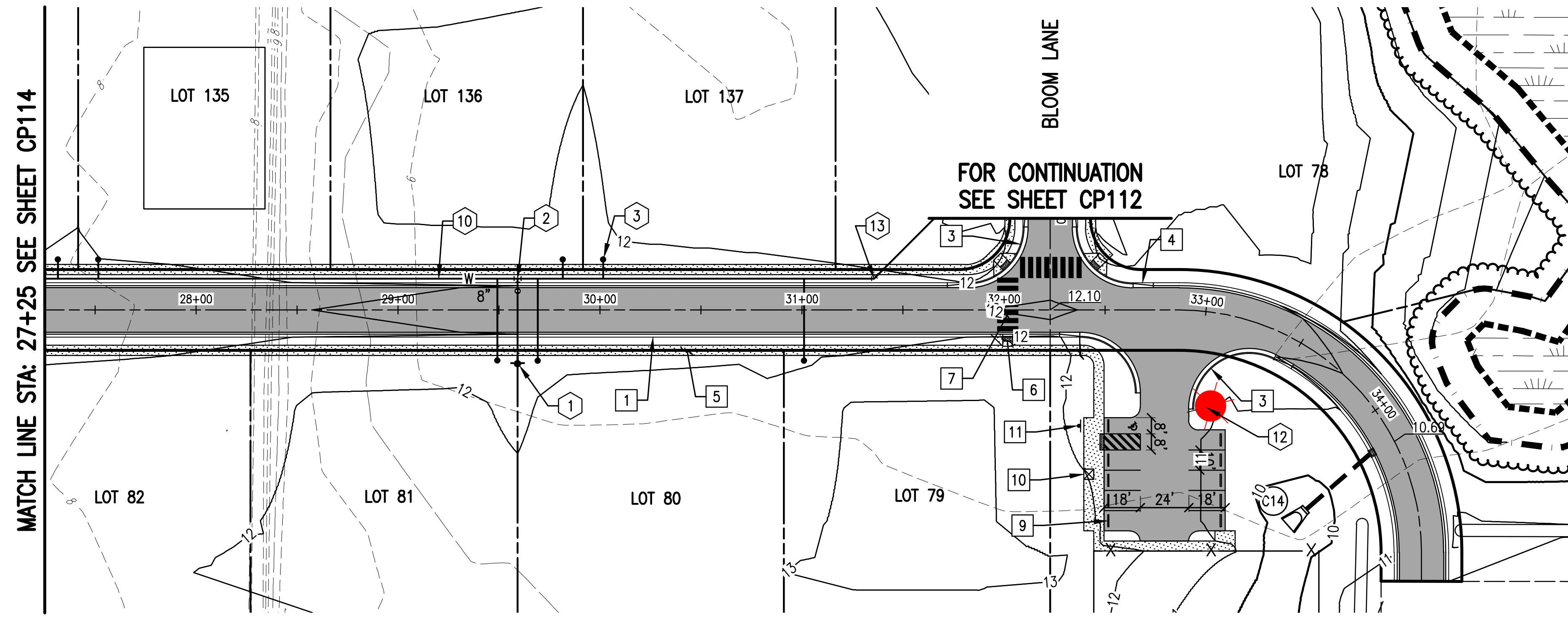
S:\projects\1784_Puddin_Ridge - Justin\External References\Construction Drawings\11-14-23 Submittal Set\32083 Subdivision Planning [CP114] - Tuesday, November 14, 2023, 3:03pm



DESIGNED	RMS
DRAWN	LDJ
CHECKED	DMW
APPROVED	CSA
DATE	10/03/23

REVISION	NO.	DESCRIPTION

S:\projects\1784_Puddin_Ridge - Justin\External References\Construction Drawings\11-14-23 Submittal Set\3083 Subdivision Planning [CP115] - Tuesday, November 14, 2023, 3:03pm

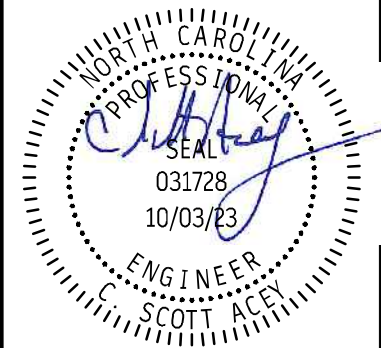
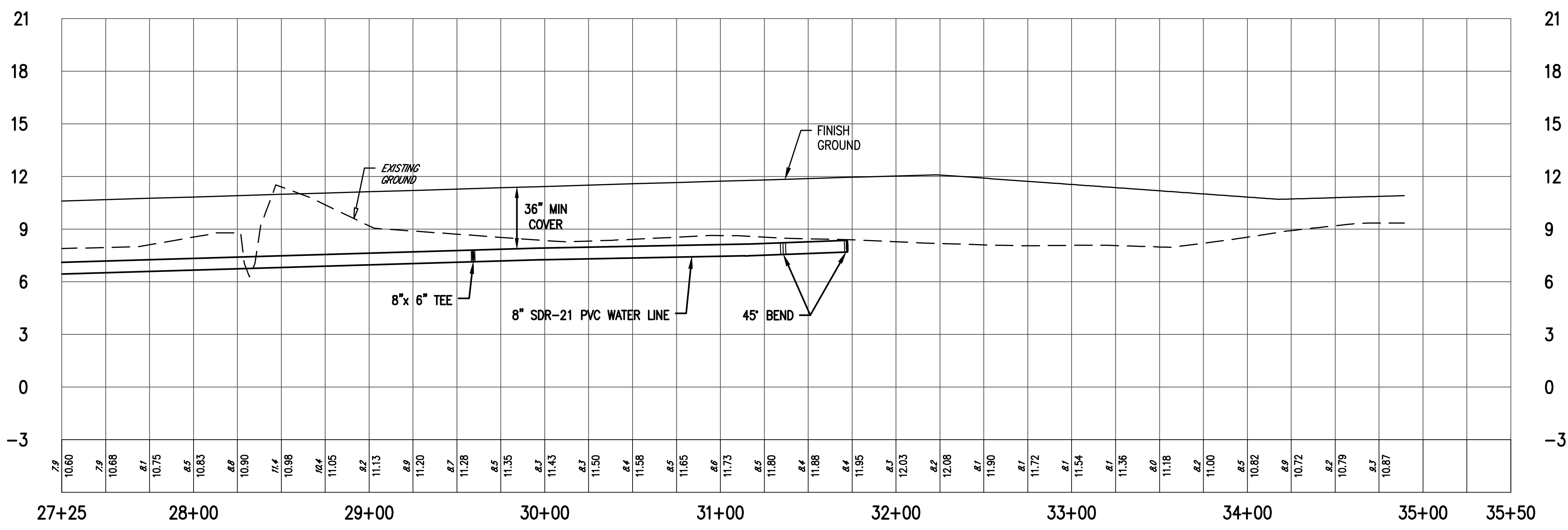
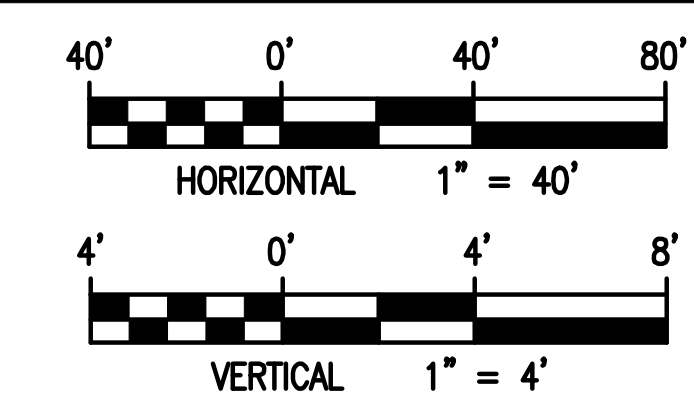
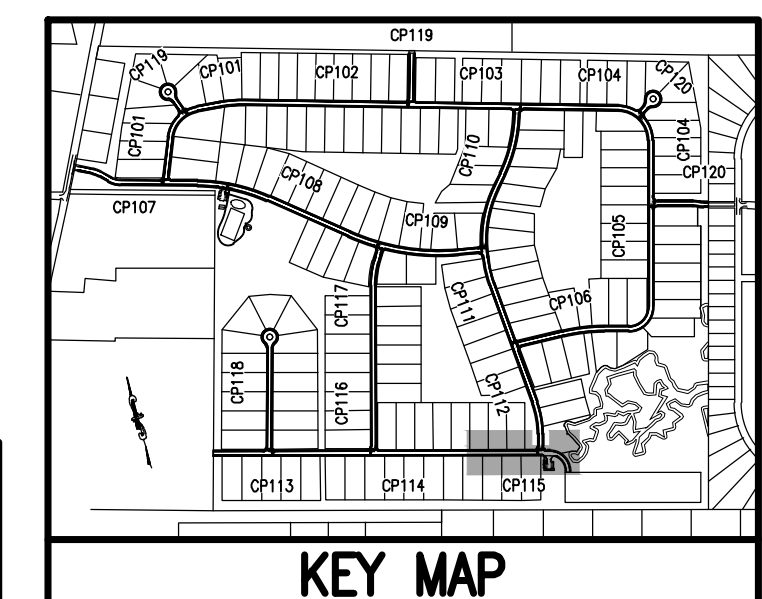


- UTILITY KEYNOTES:**
1. FIRE HYDRANT ASSEMBLY
 2. 8" x 6" TEE & 6" GATE VALVE
 3. 3/4" WATER SERVICE (TYP)
 4. 8" x 4" TEE & 4" GATE VALVE
 5. 8" GATE VALVE
 6. 8" x 8" TEE & (2) GATE VALVES
 7. 2" BLOW OFF VALVE
 8. 8" x 8" CUT-IN TEE & 8" GATE VALVE
 9. 8" x 4" REDUCER
 10. 8" SDR-21 PVC WATER MAIN
 11. 4" SDR-21 PVC WATER MAIN
 12. STREET LIGHT (TYP)
 13. 45° BEND (TYP)
 14. 8" DEAD END CAP W/ BLOW OFF ASSEMBLY

- NEW WORK KEYNOTES:**
1. CURB & GUTTER VALLEY
 2. STANDARD ROLLED CURB
 3. CURB & GUTTER
 4. CURB & GUTTER TRANSITION (TYP)
 5. 5" CONCRETE SIDEWALK
 6. ACCESSIBLE RAMP (TYP)
 7. PEDESTRIAN CROSSWALK (TYP)
 8. 5' NON-ACCESS BUFFER
 9. WHEELSTOP (TYP)
 10. MAILBOX KIOSK
 11. VAN ACCESSIBLE HANDICAP SIGN AS PER ADA STANDARDS
 12. 18.5' x 45' FUTURE CONNECTION EASEMENT

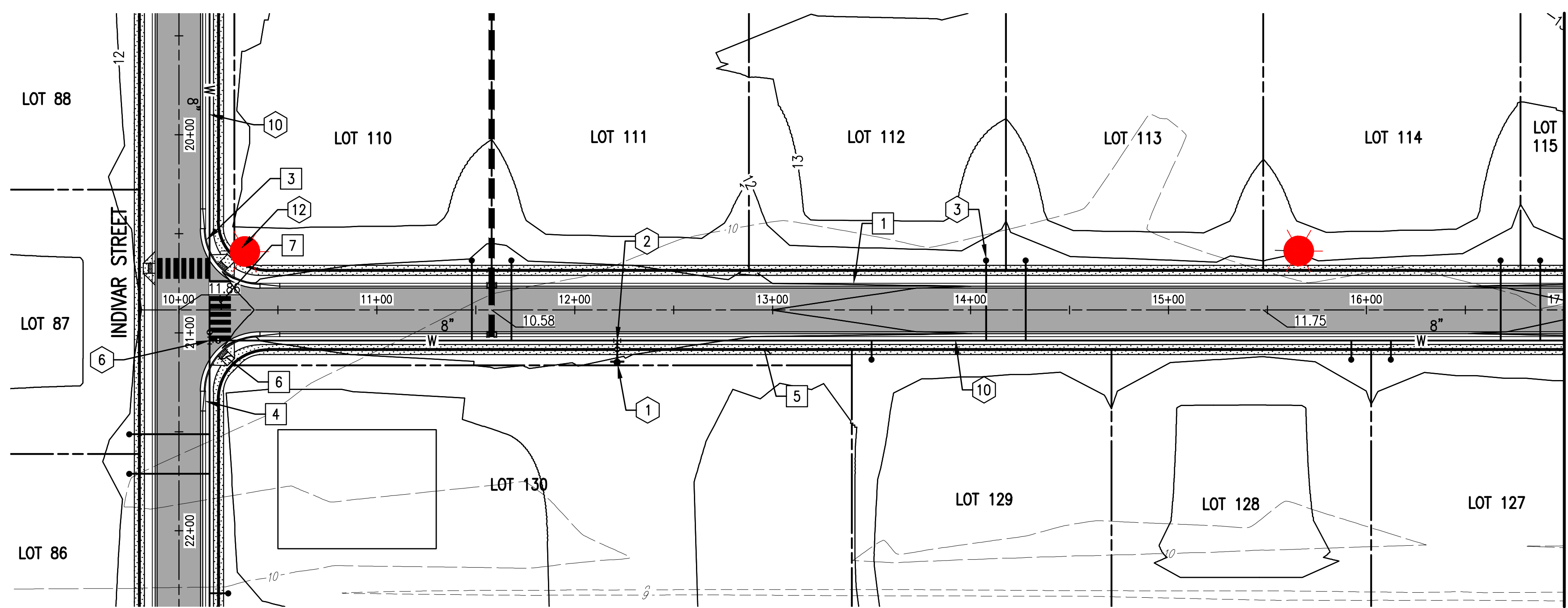
INDIVAR STREET (40' R/W)
SCALE: 1"=40'

SEE SHEET CG108 FOR STORM SEWER SCHEDULE



DESIGNED	RMS	LDU	DMW	CSA	DATE
DRAWN					10/03/23
CHECKED					
APPROVED					

REVISION	NO.	DESCRIPTION



UTILITY KEYNOTES:

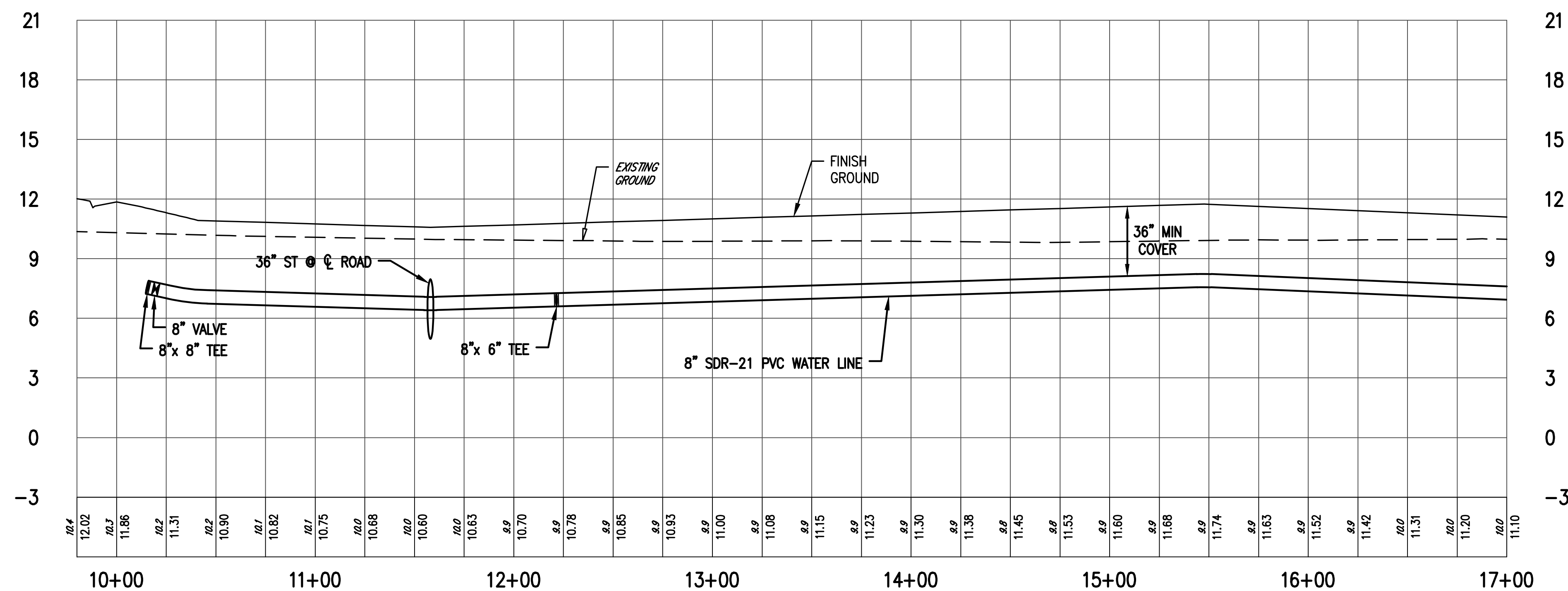
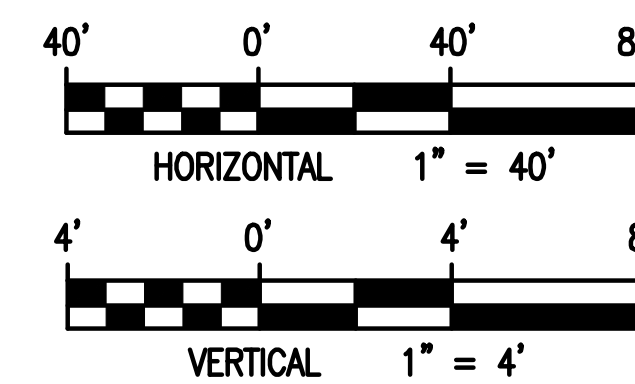
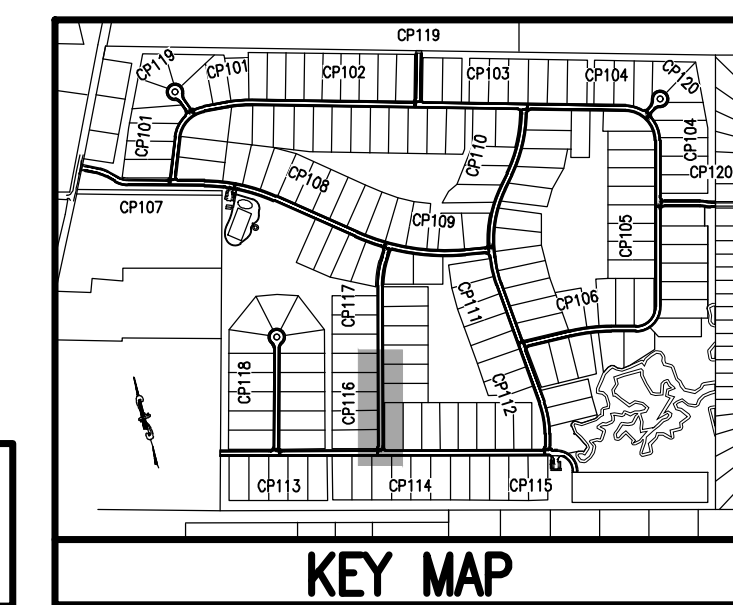
- | | |
|---------------------------------------|--|
| 1. FIRE HYDRANT ASSEMBLY | 10. 8" SDR-21 PVC WATER MAIN |
| 2. 8" x 6" TEE & 6" GATE VALVE | 11. 4" SDR-21 PVC WATER MAIN |
| 3. 3/4" WATER SERVICE (TYP) | 12. STREET LIGHT (TYP) |
| 4. 8" x 4" TEE & 4" GATE VALVE | 13. 45° BEND (TYP) |
| 5. 8" GATE VALVE | 14. 8" DEAD END CAP W/ BLOW OFF ASSEMBLY |
| 6. 8" x 8" TEE & (2) GATE VALVES | |
| 7. 2" BLOW OFF VALVE | |
| 8. 8" x 8" CUT-IN TEE & 8" GATE VALVE | |
| 9. 8" x 4" REDUCER | |

NEW WORK KEYNOTES:

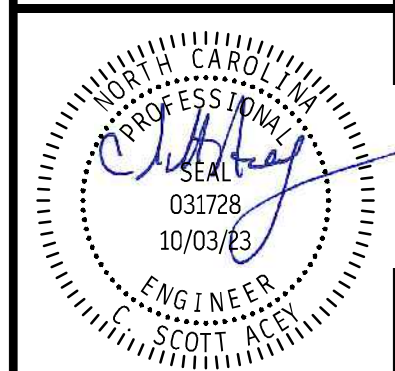
- | | |
|-----------------------------------|---|
| 1. CURB & GUTTER VALLEY | 9. WHEELSTOP (TYP) |
| 2. STANDARD ROLLED CURB | 10. MAILBOX KIOSK |
| 3. CURB & GUTTER | 11. VAN ACCESSIBLE HANDICAP SIGN AS PER ADA STANDARDS |
| 4. CURB & GUTTER TRANSITION (TYP) | 12. 18.5' x 45' FUTURE CONNECTION EASEMENT |
| 5. 5" CONCRETE SIDEWALK | |
| 6. ACCESSIBLE RAMP (TYP) | |
| 7. PEDESTRIAN CROSSWALK (TYP) | |
| 8. 5' NON-ACCESS BUFFER | |

KUNALA STREET (40' R/W)
SCALE: 1"=40'

SEE SHEET CG108 FOR STORM SEWER SCHEDULE

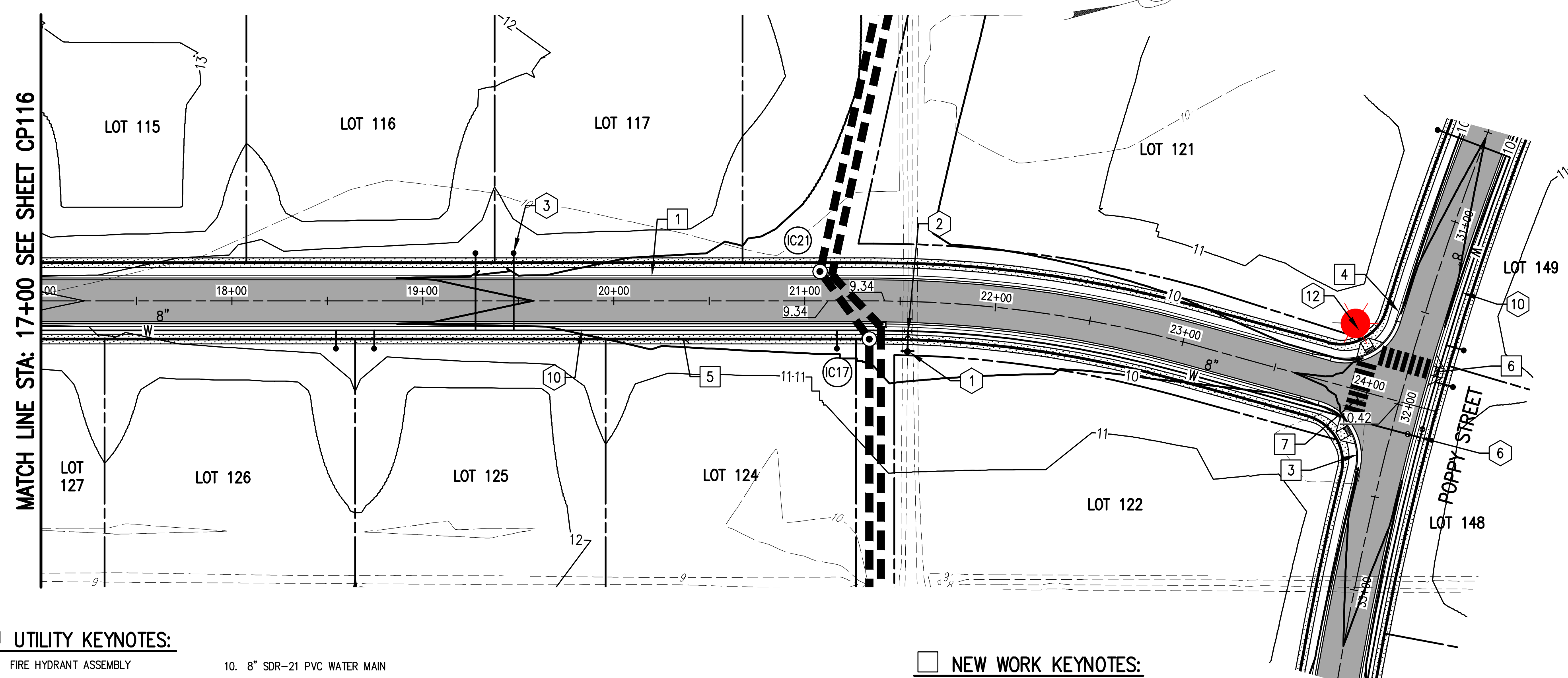


S:\projects\1784_Puddin_Ridge - Justin\External References\Construction Drawings\11-14-23 Submittal Set\23083 Subdivision Planning [CP116] - Tuesday, November 14, 2023, 3:03pm



DESIGNED	RMS
DRAWN	LDJ
CHECKED	DMW
APPROVED	CSA
DATE	10/03/23

REVISION	NO.	DESCRIPTION



UTILITY KEYNOTES:

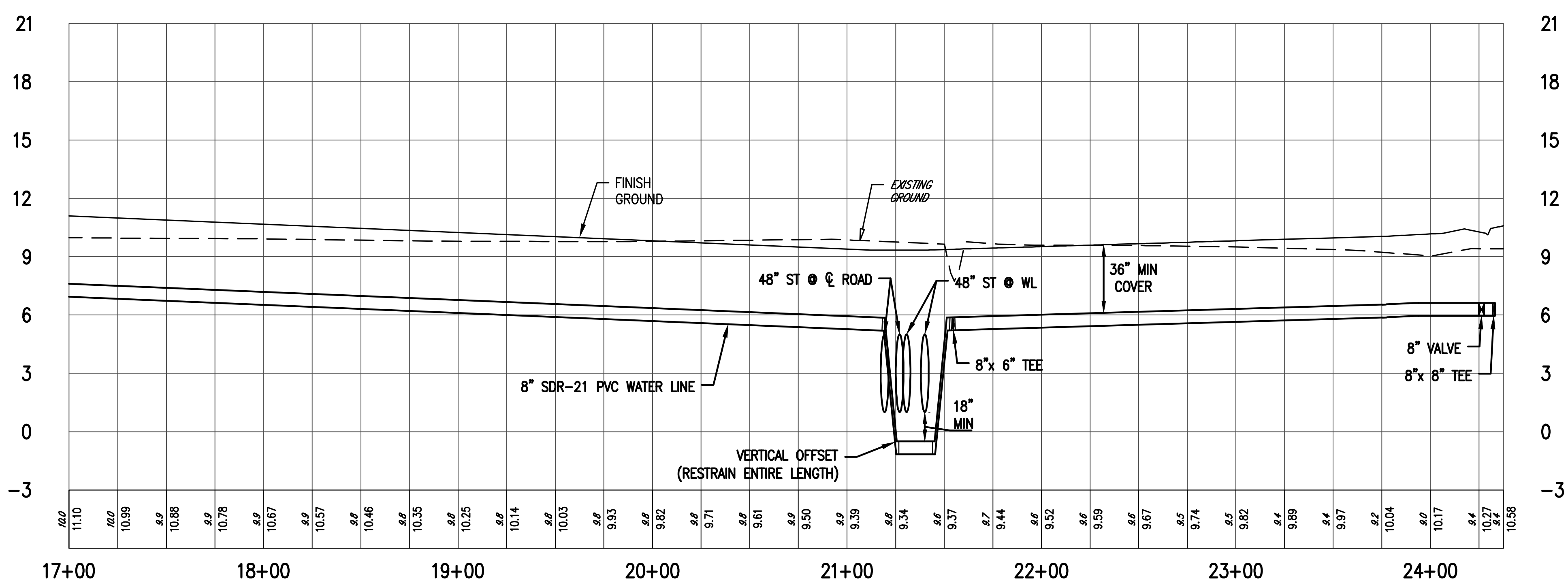
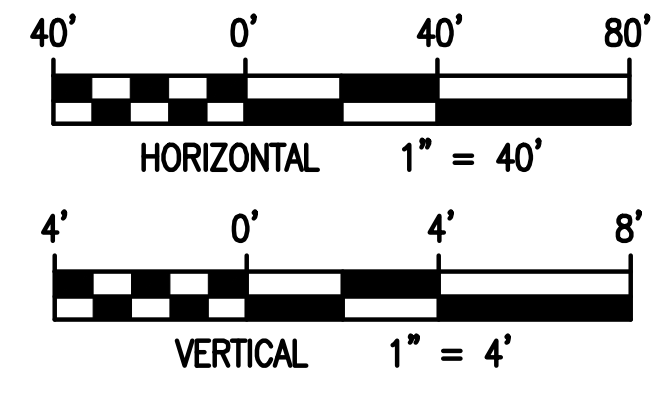
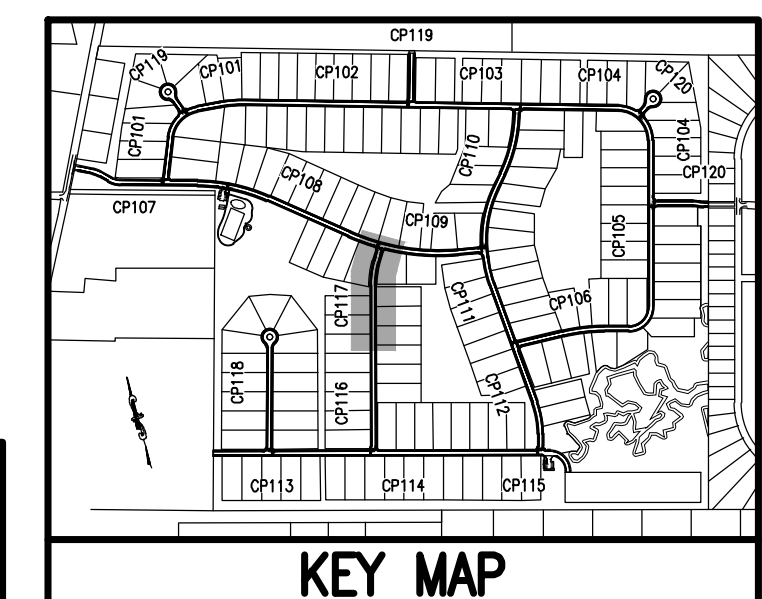
- 1. FIRE HYDRANT ASSEMBLY
- 2. 8"x 6" TEE & 6" GATE VALVE
- 3. 3/4" WATER SERVICE (TYP)
- 4. 8"x 4" TEE & 4" GATE VALVE
- 5. 8" GATE VALVE
- 6. 8"x 8" TEE & (2) GATE VALVES
- 7. 2" BLOW OFF VALVE
- 8. 8"x 8" CUT-IN TEE & 8" GATE VALVE
- 9. 8"x 4" REDUCER
- 10. 8" SDR-21 PVC WATER MAIN
- 11. 4" SDR-21 PVC WATER MAIN
- 12. STREET LIGHT (TYP)
- 13. 45° BEND (TYP)
- 14. 8" DEAD END CAP W/ BLOW OFF ASSEMBLY

NEW WORK KEYNOTES:

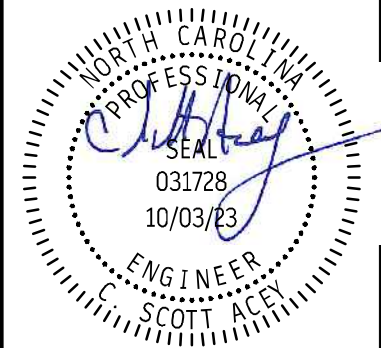
- 1. CURB & GUTTER VALLEY
- 2. STANDARD ROLLED CURB
- 3. CURB & GUTTER
- 4. CURB & GUTTER TRANSITION (TYP)
- 5. 5" CONCRETE SIDEWALK
- 6. ACCESSIBLE RAMP (TYP)
- 7. PEDESTRIAN CROSSWALK (TYP)
- 8. 5' NON-ACCESS BUFFER
- 9. WHEELSTOP (TYP)
- 10. MAILBOX KIOSK
- 11. VAN ACCESSIBLE HANDICAP SIGN AS PER ADA STANDARDS
- 12. 18.5'x 45' FUTURE CONNECTION EASEMENT

KUNALA STREET (40' R/W)
SCALE: 1"=40'

SEE SHEET CG108 FOR STORM SEWER SCHEDULE

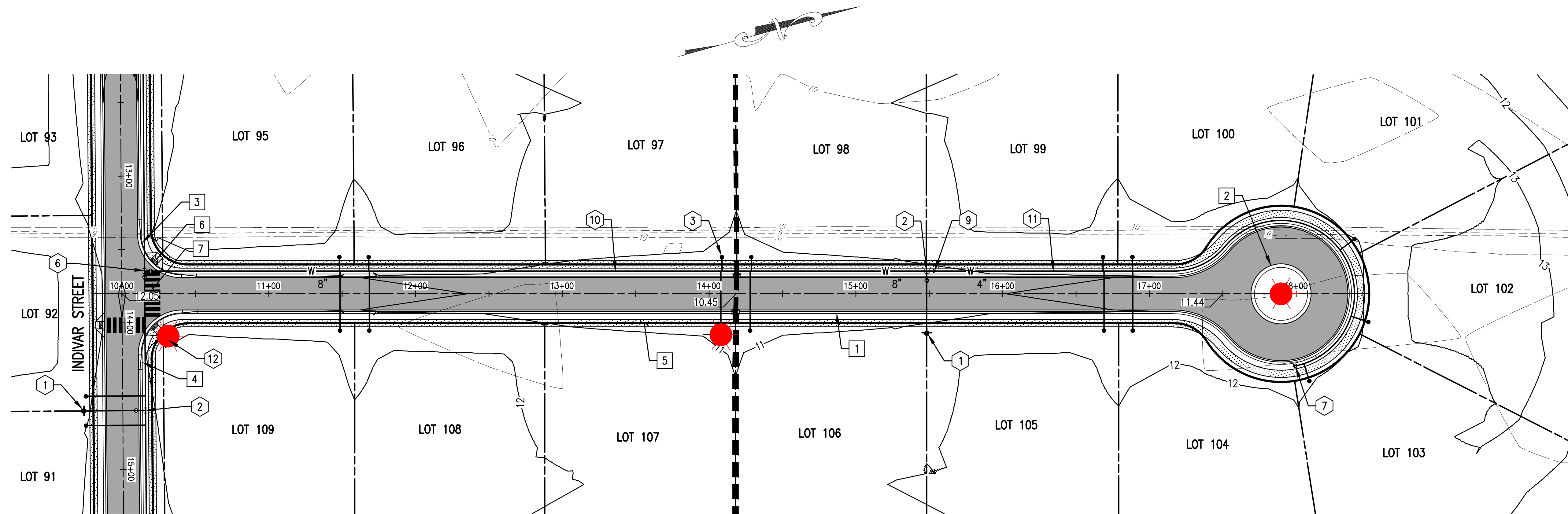


S:\projects\1784_Puddin_Ridge - Justin\External References\Construction Drawings\11-4-23 Submittal Set\3083 Subdivision Planning [CP117] - Tuesday, November 14, 2023, 3:03pm



DESIGNED	RMS
DRAWN	LDU
CHECKED	DMW
APPROVED	CSA
DATE	10/03/23

REVISION	NO.	DESCRIPTION



UTILITY KEYNOTES:

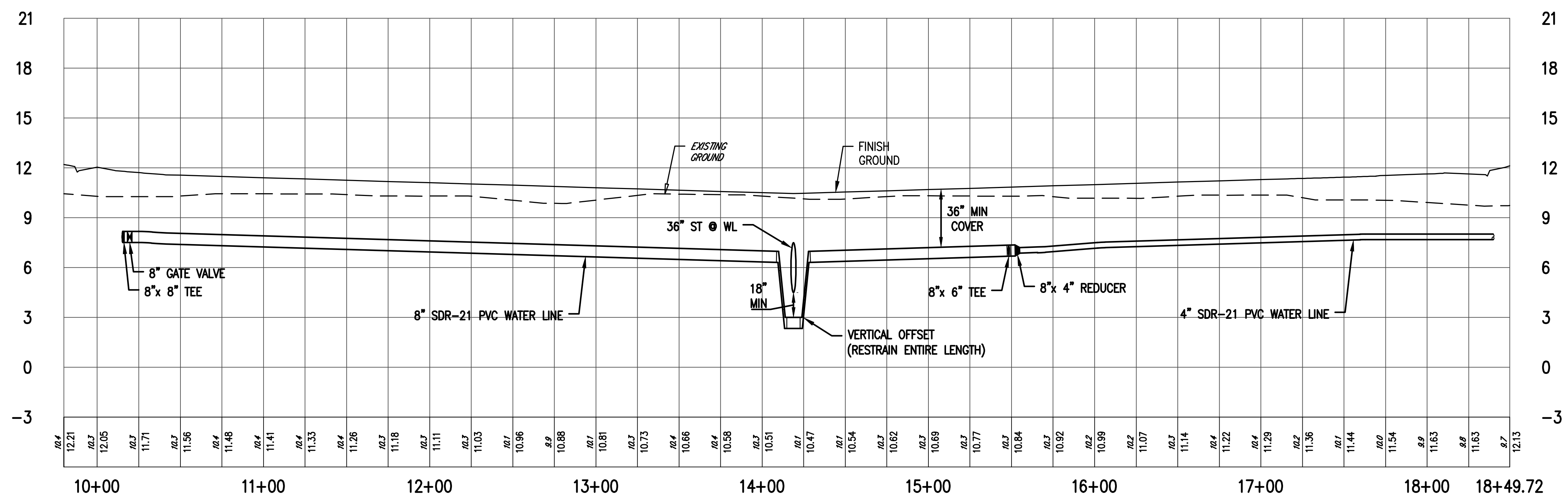
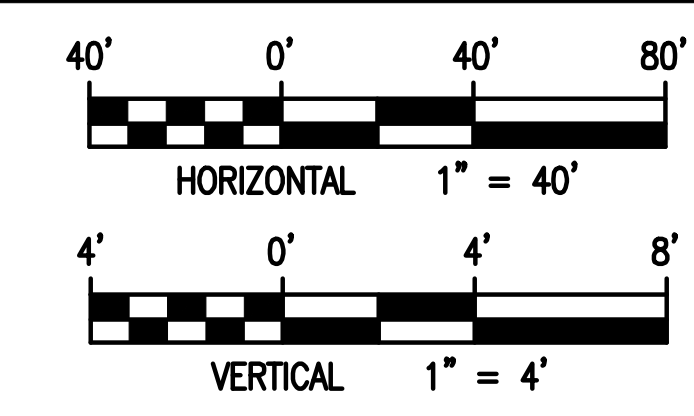
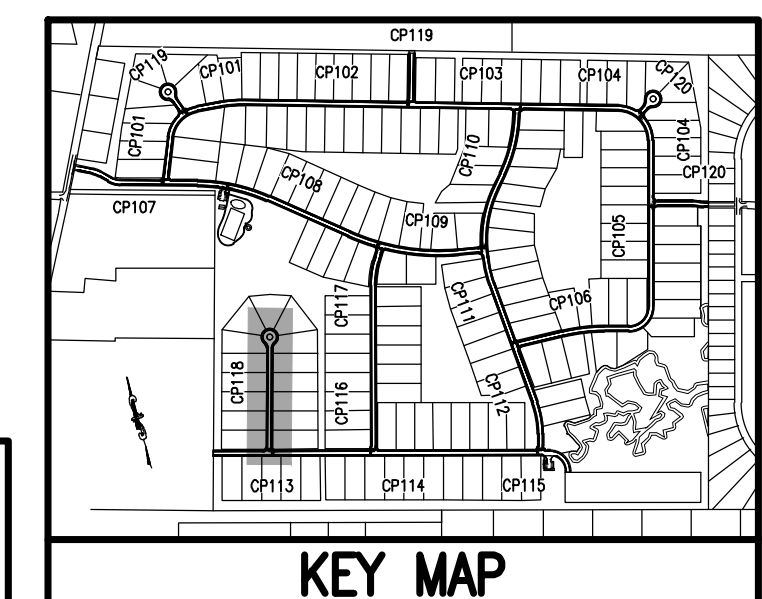
- | | |
|---------------------------------------|--|
| 1. FIRE HYDRANT ASSEMBLY | 10. 8" SDR-21 PVC WATER MAIN |
| 2. 8" x 6" TEE & 6" GATE VALVE | 11. 4" SDR-21 PVC WATER MAIN |
| 3. 3/4" WATER SERVICE (TYP) | 12. STREET LIGHT (TYP) |
| 4. 8" x 4" TEE & 4" GATE VALVE | 13. 45° BEND (TYP) |
| 5. 8" GATE VALVE | 14. 8" DEAD END CAP W/ BLOW OFF ASSEMBLY |
| 6. 8" x 8" TEE & (2) GATE VALVES | |
| 7. 2" BLOW OFF VALVE | |
| 8. 8" x 8" CUT-IN TEE & 8" GATE VALVE | |
| 9. 8" x 4" REDUCER | |

NEW WORK KEYNOTES:

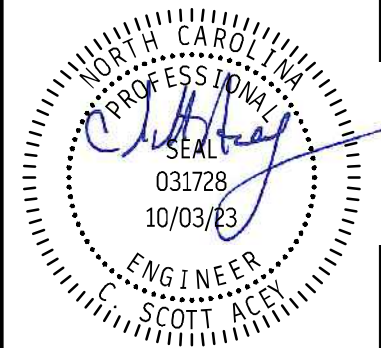
- | | |
|-----------------------------------|---|
| 1. CURB & GUTTER VALLEY | 9. WHEELSTOP (TYP) |
| 2. STANDARD ROLLED CURB | 10. MAILBOX KIOSK |
| 3. CURB & GUTTER | 11. VAN ACCESSIBLE HANDICAP SIGN AS PER ADA STANDARDS |
| 4. CURB & GUTTER TRANSITION (TYP) | 12. 18.5' x 45' FUTURE CONNECTION EASEMENT |
| 5. 5" CONCRETE SIDEWALK | |
| 6. ACCESSIBLE RAMP (TYP) | |
| 7. PEDESTRIAN CROSSWALK (TYP) | |
| 8. 5' NON-ACCESS BUFFER | |

KAMAL STREET (40' R/W)
SCALE: 1"=40'

SEE SHEET CG108 FOR STORM SEWER SCHEDULE

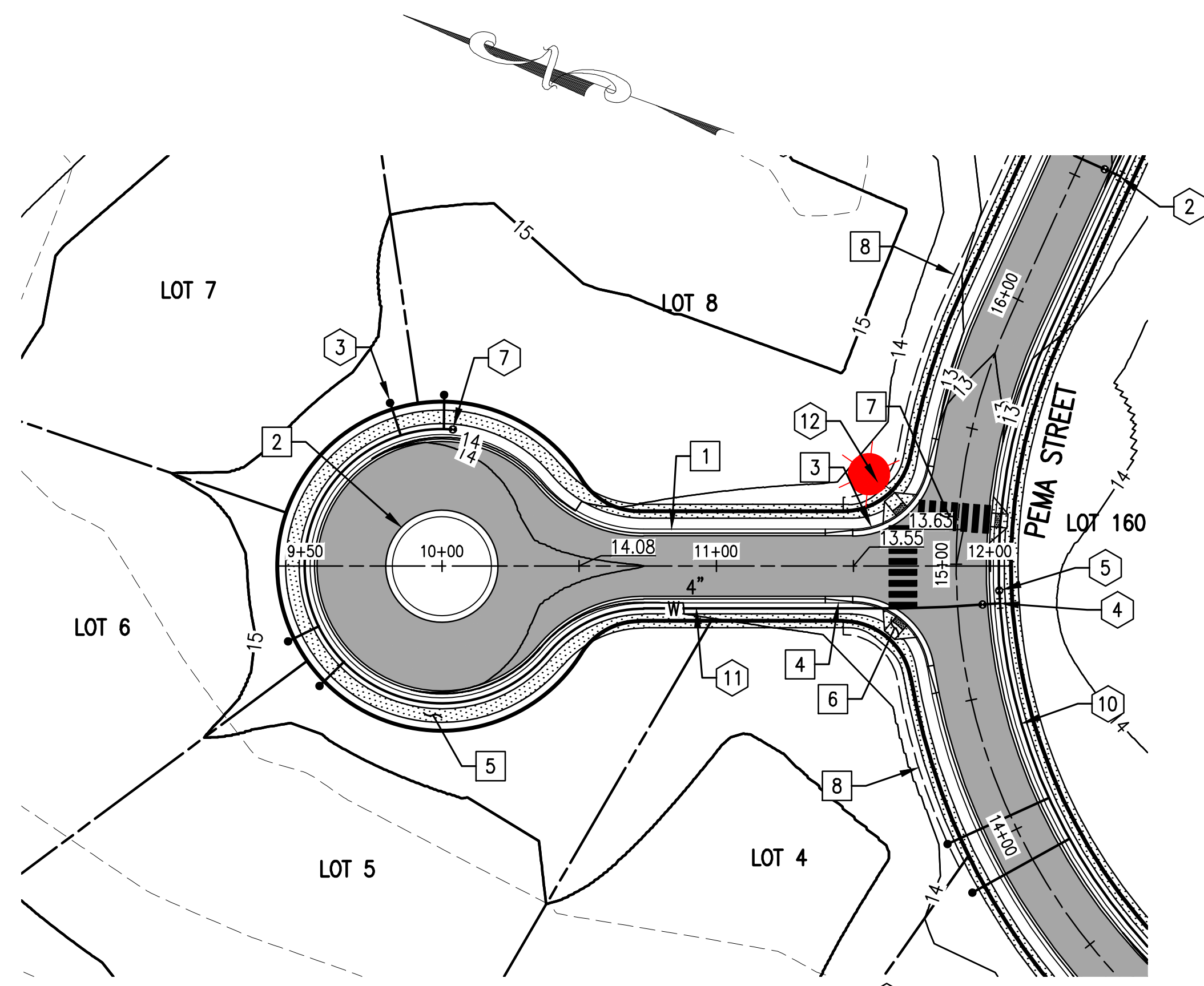


S:\projects\1784_Puddin_Ridge - Justin\External References\Construction Drawings\11-14-23 Submittal Set\3083 Subdivision Planning [CP118] - Tuesday, November 14, 2023, 3:03pm



DESIGNED	RMS	LDU	DMW	CSA	DATE
DRAWN					10/03/23
CHECKED					
APPROVED					

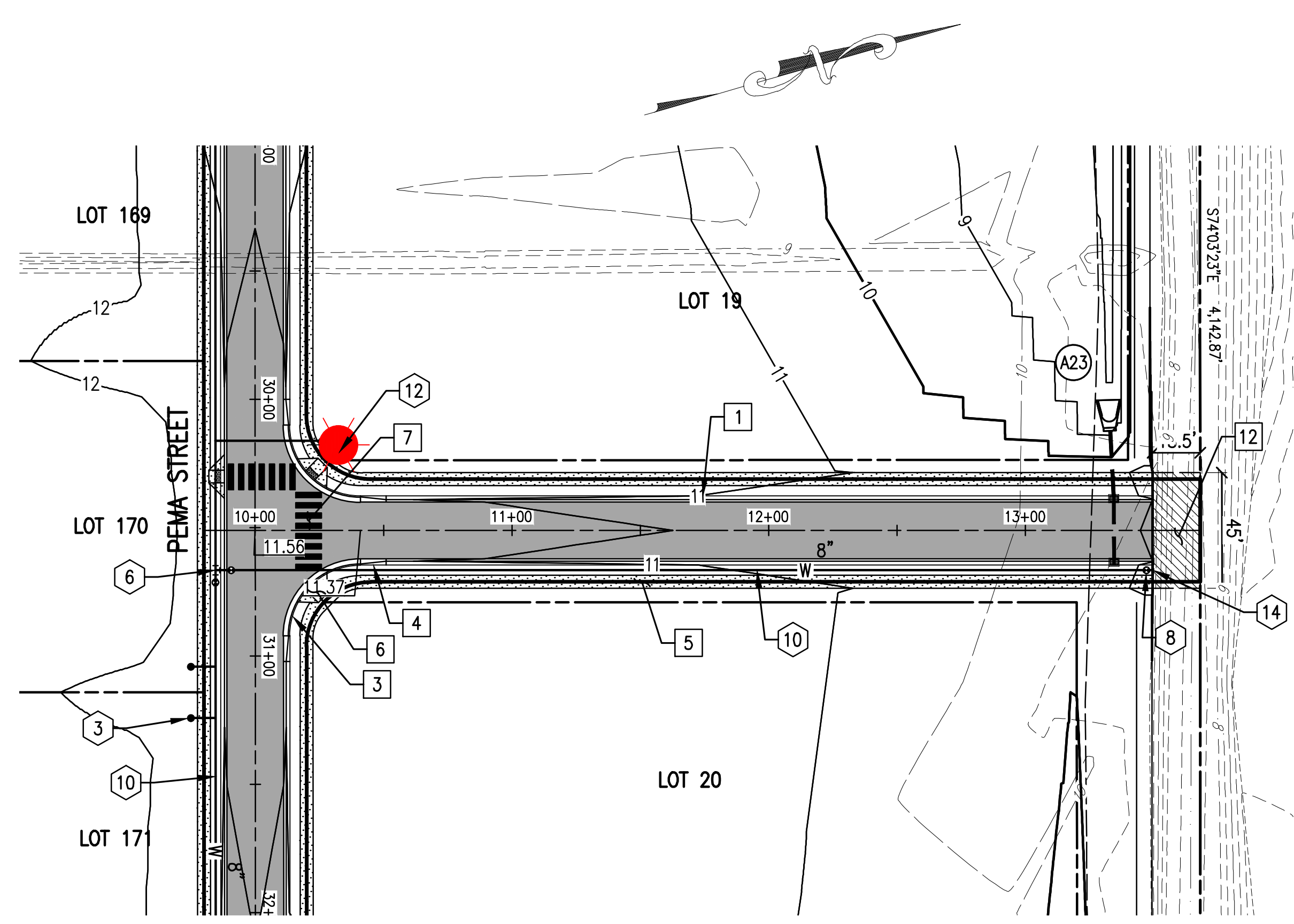
REVISION	NO.	DESCRIPTION



PADMA STREET (40' R/W)
SCALE: 1"=40'

UTILITY KEYNOTES:

- 1. FIRE HYDRANT ASSEMBLY
- 2. 8" x 6" TEE & 6" GATE VALVE
- 3. 3/4" WATER SERVICE (TYP)
- 4. 8" x 4" TEE & 4" GATE VALVE
- 5. 8" GATE VALVE
- 6. 8" x 8" TEE & (2) GATE VALVES
- 7. 2" BLOW OFF VALVE
- 8. 8" x 8" CUT-IN TEE & 8" GATE VALVE
- 9. 8" x 4" REDUCER
- 10. 8" SDR-21 PVC WATER MAIN
- 11. 4" SDR-21 PVC WATER MAIN
- 12. STREET LIGHT (TYP)
- 13. 45° BEND (TYP)
- 14. 8" DEAD END CAP W/ BLOW OFF ASSEMBLY

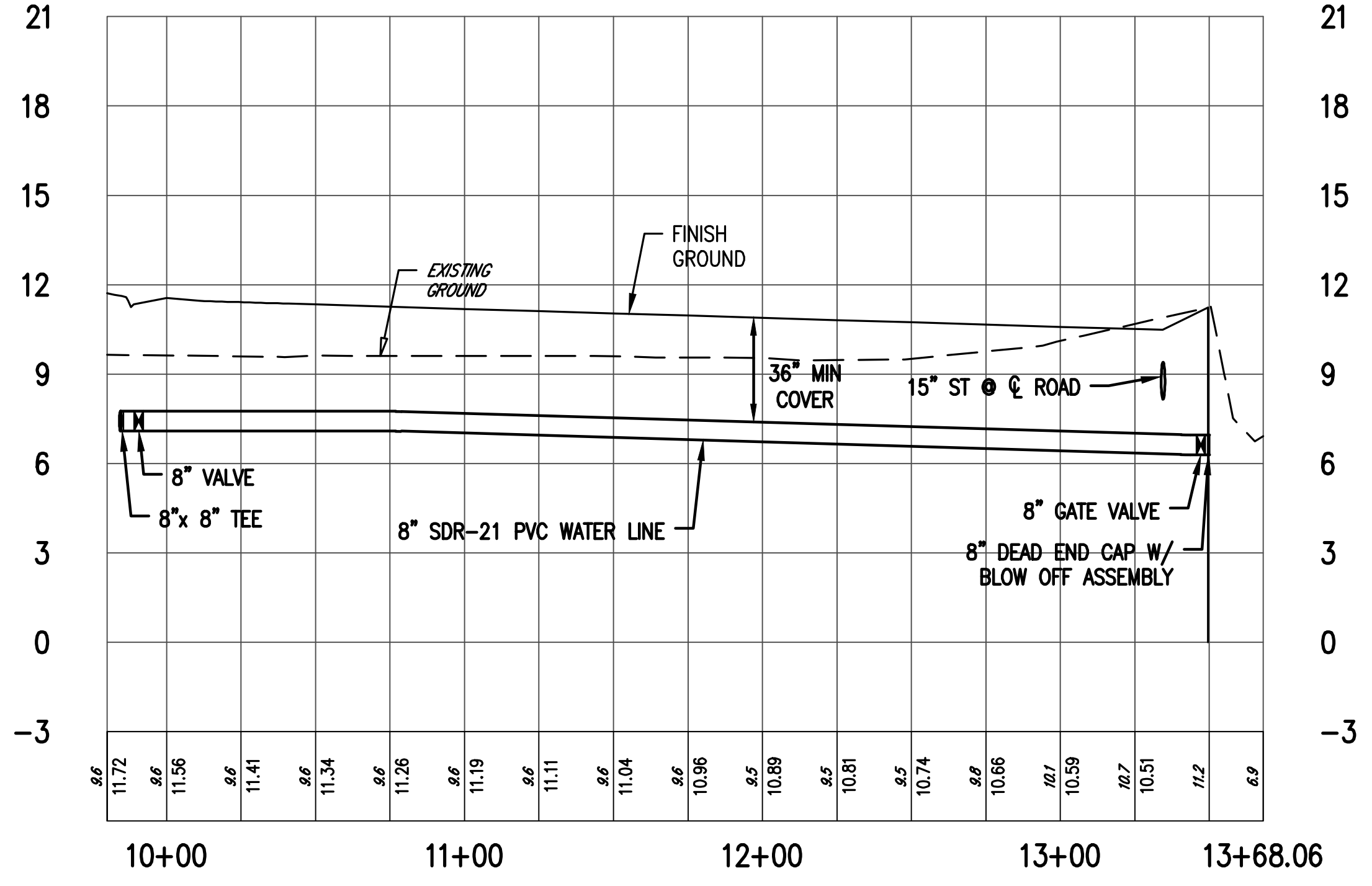
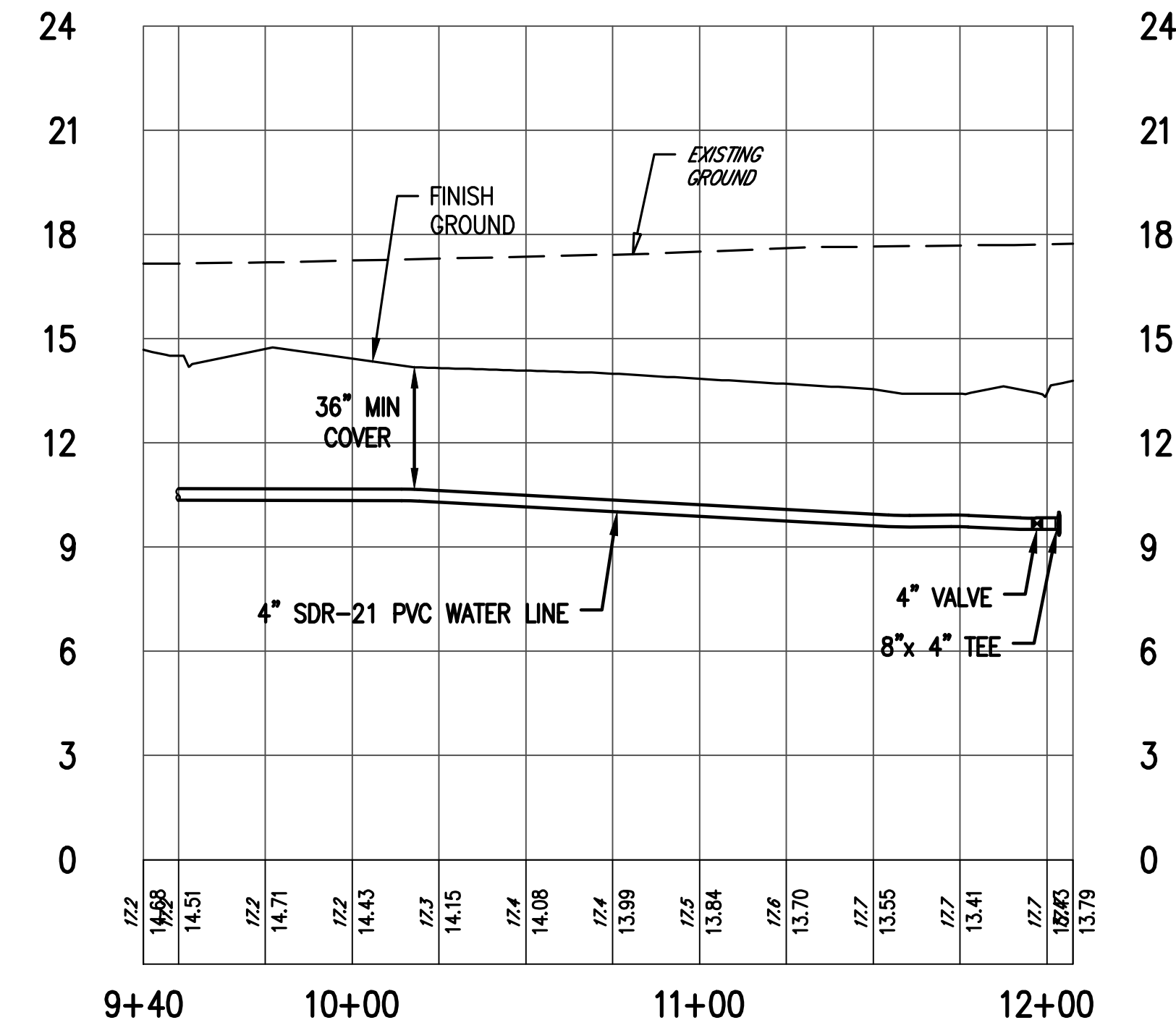
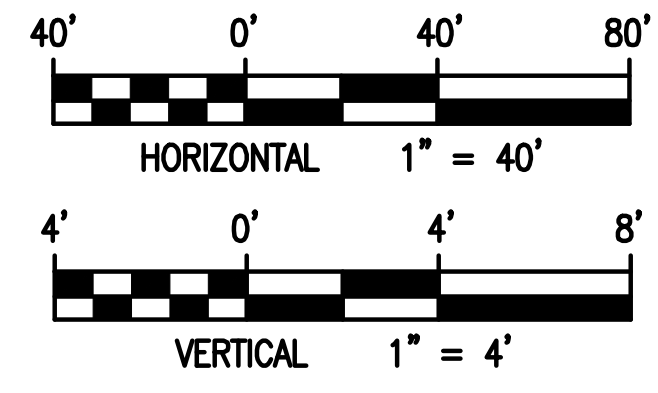
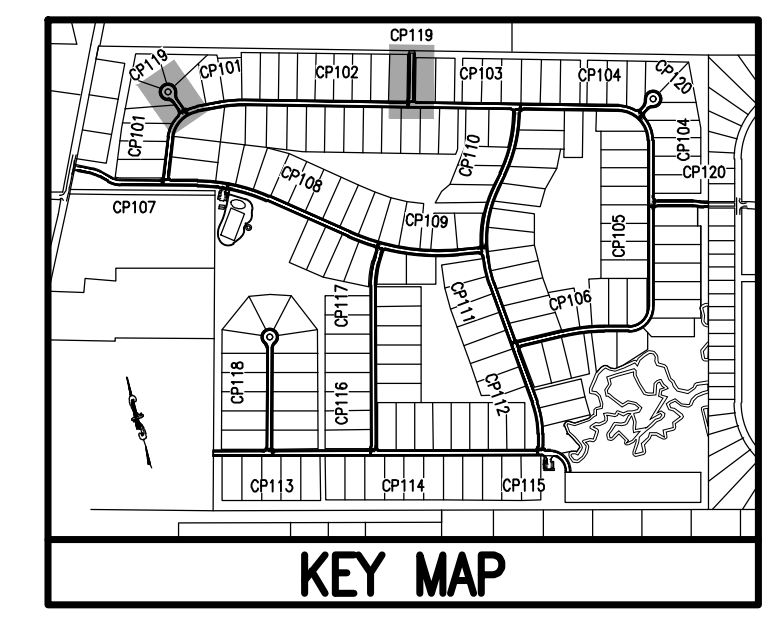


SADIRA STREET (40' R/W)
SCALE: 1"=40'

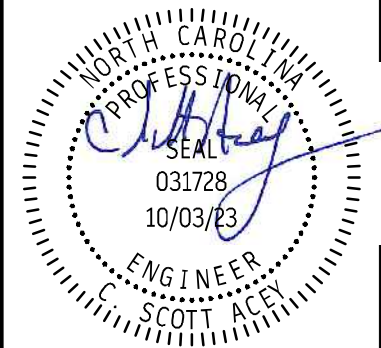
NEW WORK KEYNOTES:

- 1. CURB & GUTTER VALLEY
- 2. STANDARD ROLLED CURB
- 3. CURB & GUTTER
- 4. CURB & GUTTER TRANSITION (TYP)
- 5. 5" CONCRETE SIDEWALK
- 6. ACCESSIBLE RAMP (TYP)
- 7. PEDESTRIAN CROSSWALK (TYP)
- 8. 5' NON-ACCESS BUFFER
- 9. WHEELSTOP (TYP)
- 10. MAILBOX KIOSK
- 11. VAN ACCESSIBLE HANDICAP SIGN AS PER ADA STANDARDS
- 12. 18.5' x 45' FUTURE CONNECTION EASEMENT

SEE SHEET CG108 FOR STORM SEWER SCHEDULE

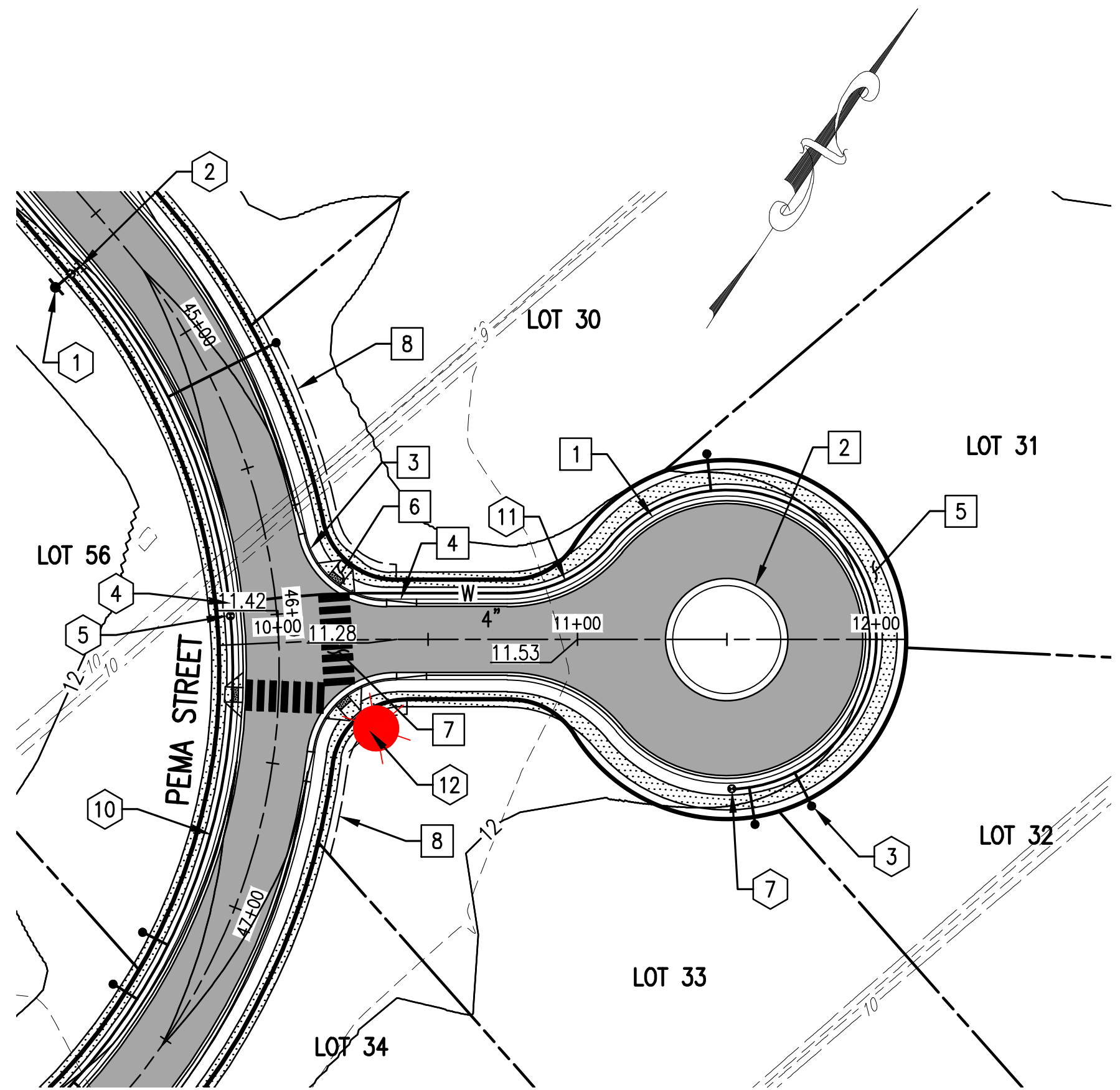


S:\projects\1704_Pudim_Ridge - Justin\External References\Construction Drawings\11-14-23 Submittal Set\3083 Subdivision Planning [CP119] - Tuesday, November 14, 2023, 3:03pm



DESIGNED	RMS	LDJ	DMW	CSA	DATE
DRAWN					10/03/23
CHECKED					
APPROVED					

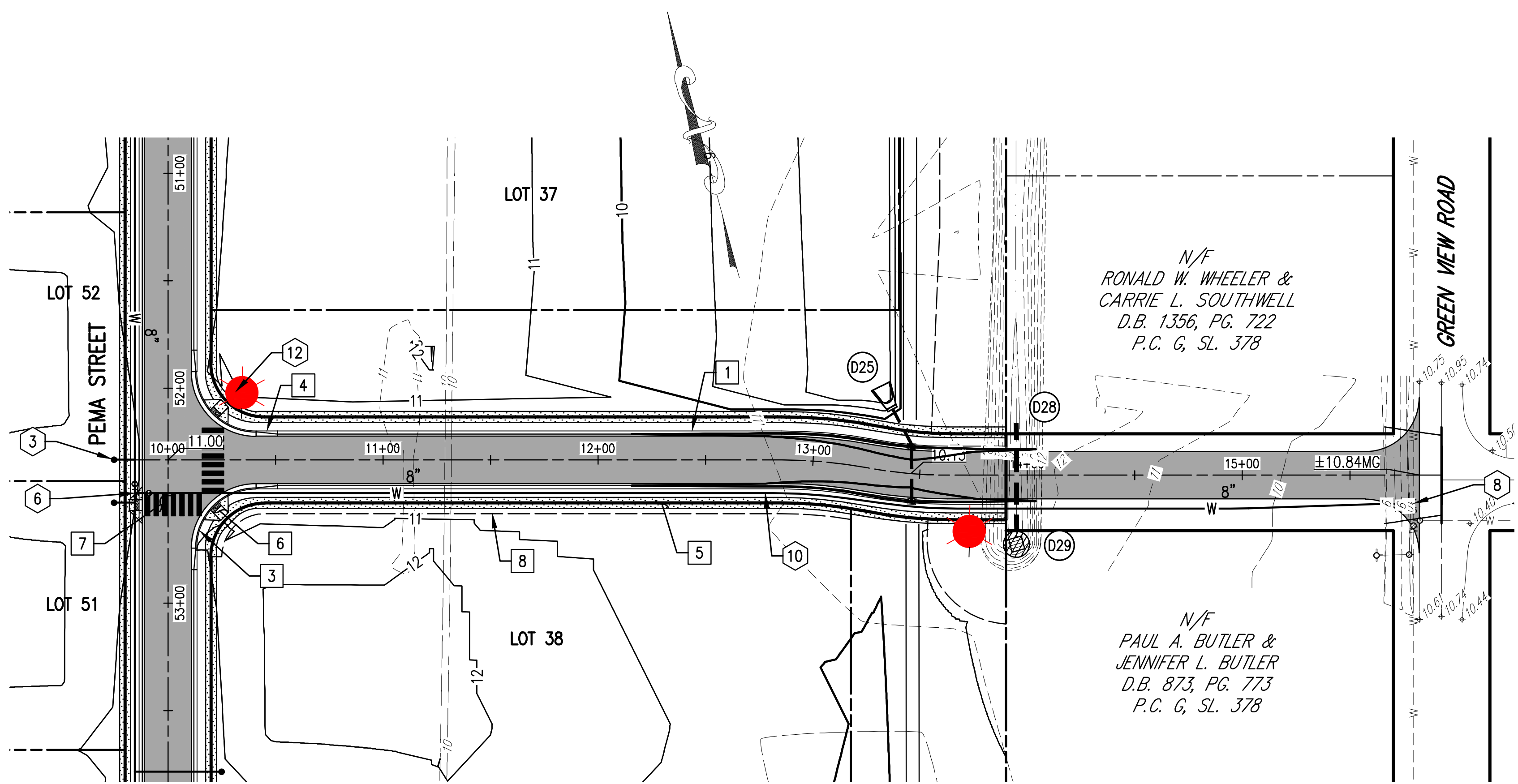
REVISION	DATE	DESCRIPTION



NALIN STREET (40' R/W)
SCALE: 1"=40'

UTILITY KEYNOTES:

- 1. FIRE HYDRANT ASSEMBLY
- 2. 8" x 6" TEE & 6" GATE VALVE
- 3. 3/4" WATER SERVICE (TYP)
- 4. 8" x 4" TEE & 4" GATE VALVE
- 5. 8" GATE VALVE
- 6. 8" x 8" TEE & (2) GATE VALVES
- 7. 2" BLOW OFF VALVE
- 8. 8" x 8" CUT-IN TEE & 8" GATE VALVE
- 9. 8" x 4" REDUCER
- 10. 8" SDR-21 PVC WATER MAIN
- 11. 4" SDR-21 PVC WATER MAIN
- 12. STREET LIGHT (TYP)
- 13. 45° BEND (TYP)
- 14. 8" DEAD END CAP W/ BLOW OFF ASSEMBLY

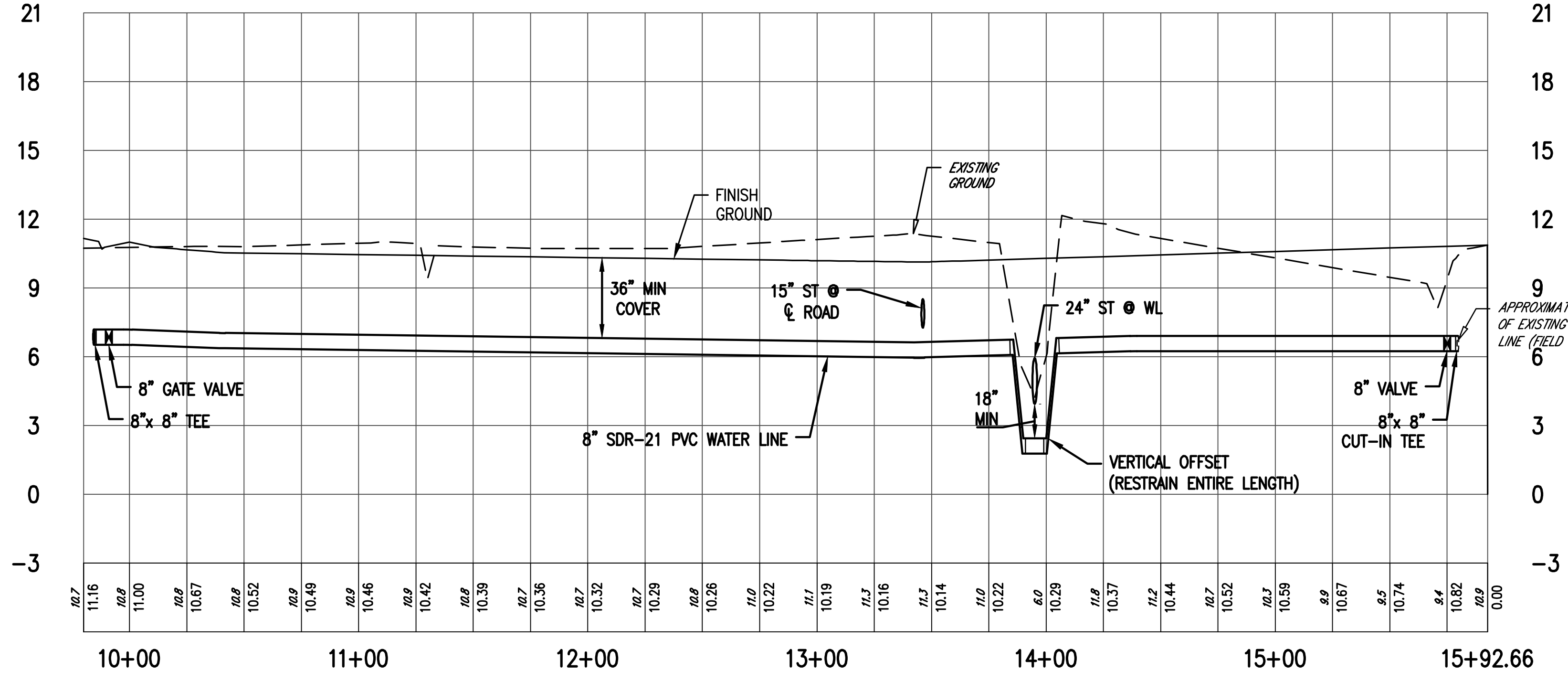
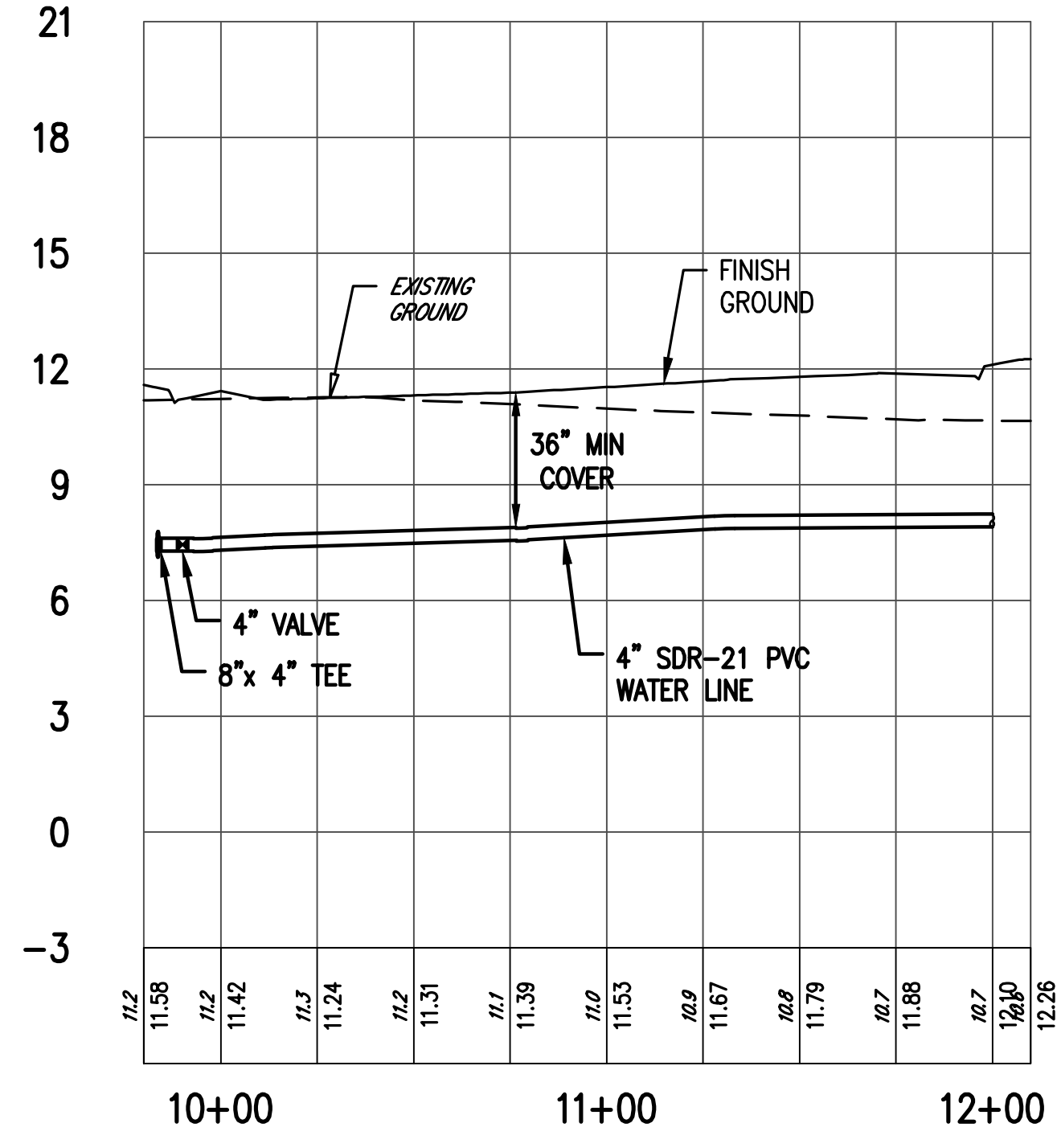
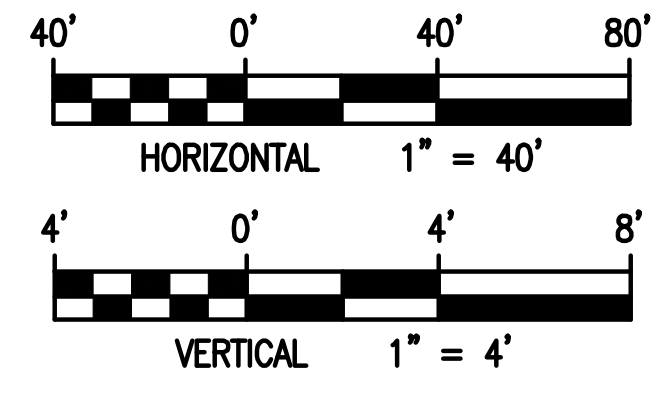
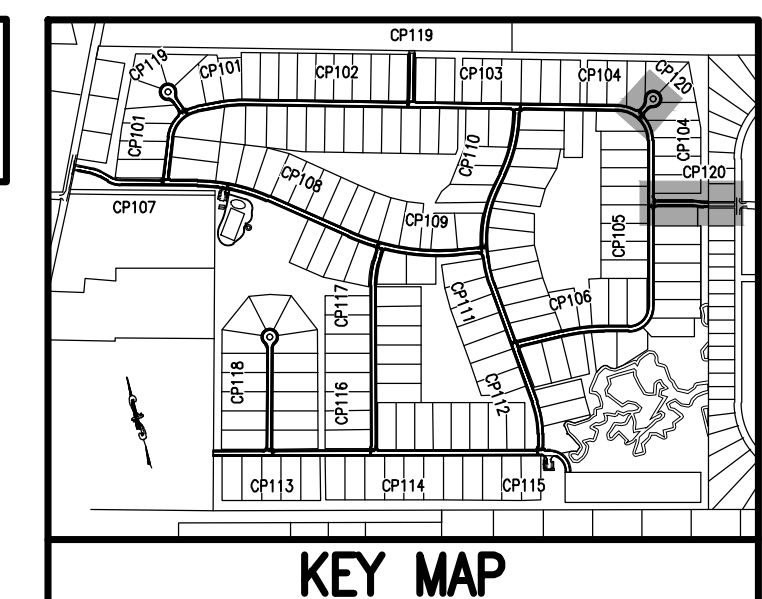


UBON STREET (40' R/W)
SCALE: 1"=40'

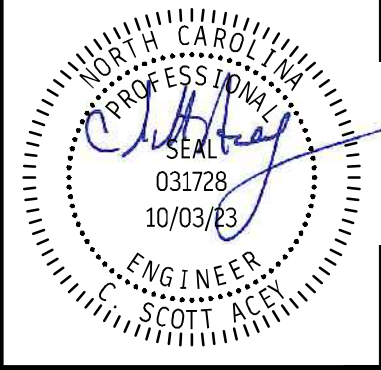
NEW WORK KEYNOTES:

- 1. CURB & GUTTER VALLEY
- 2. STANDARD ROLLED CURB
- 3. CURB & GUTTER
- 4. CURB & GUTTER TRANSITION (TYP)
- 5. 5" CONCRETE SIDEWALK
- 6. ACCESSIBLE RAMP (TYP)
- 7. PEDESTRIAN CROSSWALK (TYP)
- 8. 5' NON-ACCESS BUFFER
- 9. WHEELSTOP (TYP)
- 10. MAILBOX KIOSK
- 11. VAN ACCESSIBLE HANDICAP SIGN AS PER ADA STANDARDS
- 12. 18.5' x 45' FUTURE CONNECTION EASEMENT

SEE SHEET CG108 FOR STORM SEWER SCHEDULE



S:\projects\1784_Puddin_Ridge - Justin\External References\Construction Drawings\11-14-23_Submittal Set\3083_Subdivision_Planning_CG120.dwg - Tuesday, November 14, 2023, 3:03pm



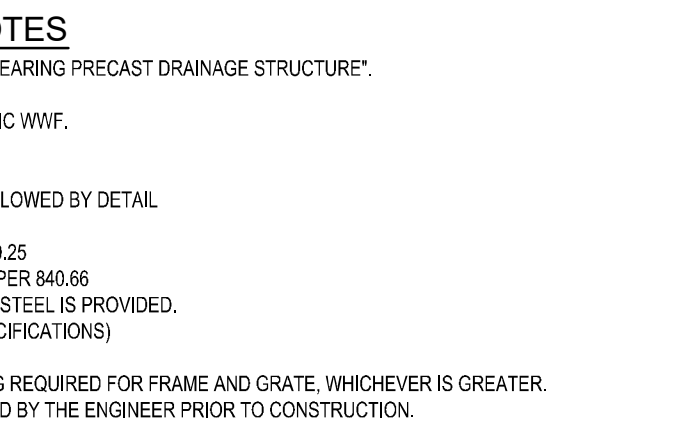
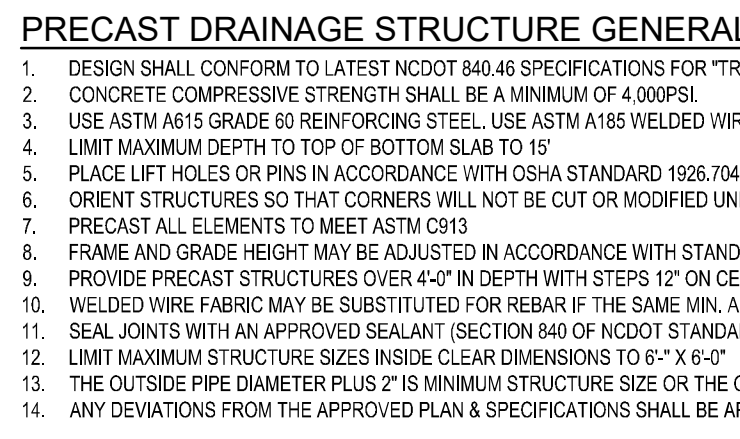
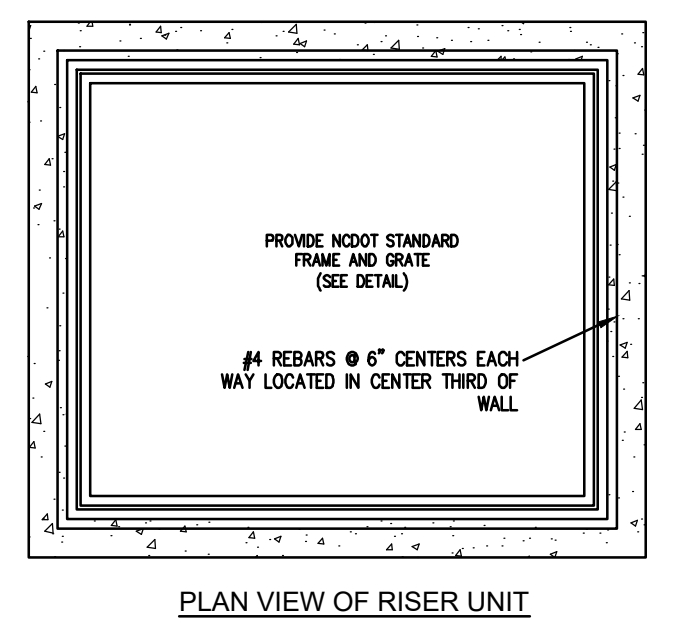
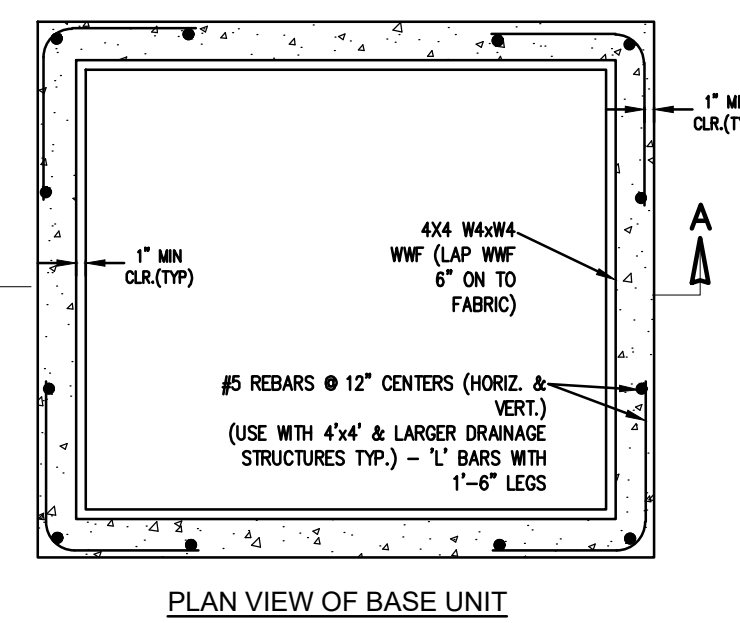
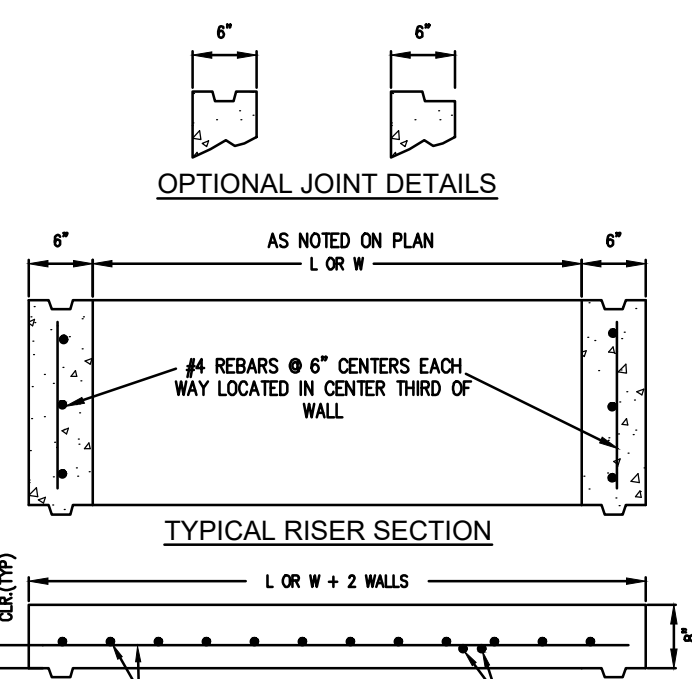
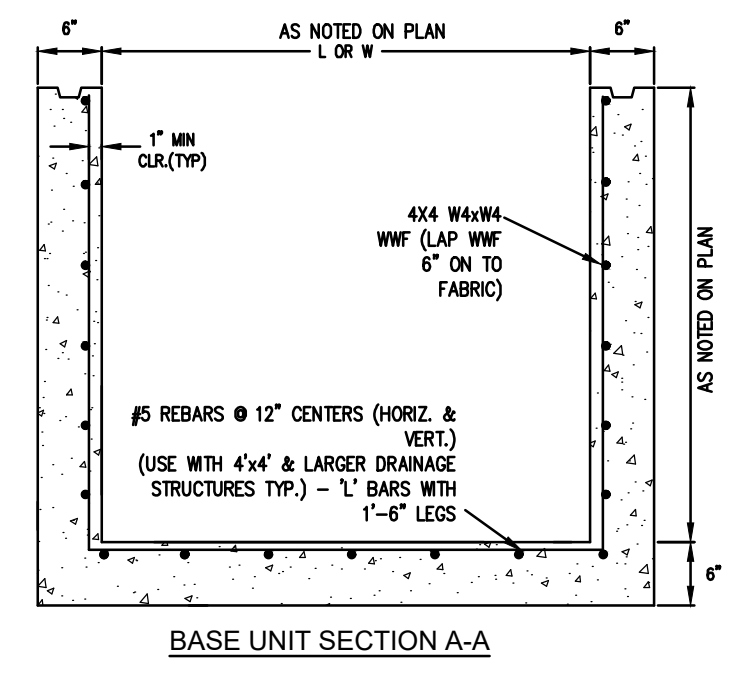
DESIGNED	RMS	LDJ	DMW	CSA	DATE
DRAWN					10/03/23
CHECKED					
APPROVED					

REVISION	NO.	DESCRIPTION

PLAN & PROFILE OF
LOTUS RIDGE
 NALIN STREET STA: 10+00 - 12+10
 UBON STREET STA: 10+00 - 15+92.66
 CURRITUCK COUNTY NORTH CAROLINA
 MOYOCK TOWNSHIP

SHEET
CP120
 41 of 47 Sheets

SCALE: GRAPHIC
 PROJ. NO.: 23083

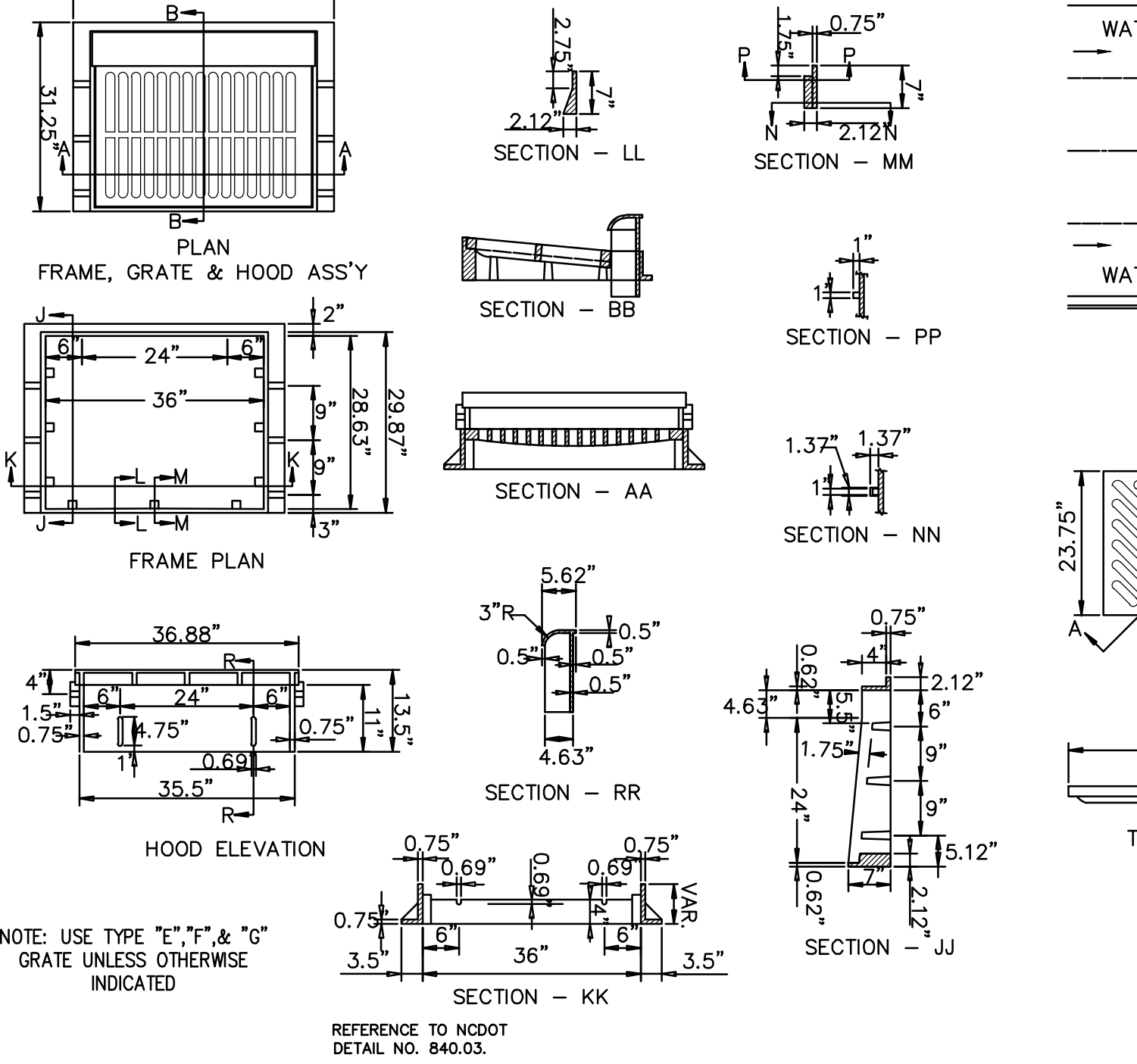


PRECAST DRAINAGE STRUCTURE GENERAL NOTES

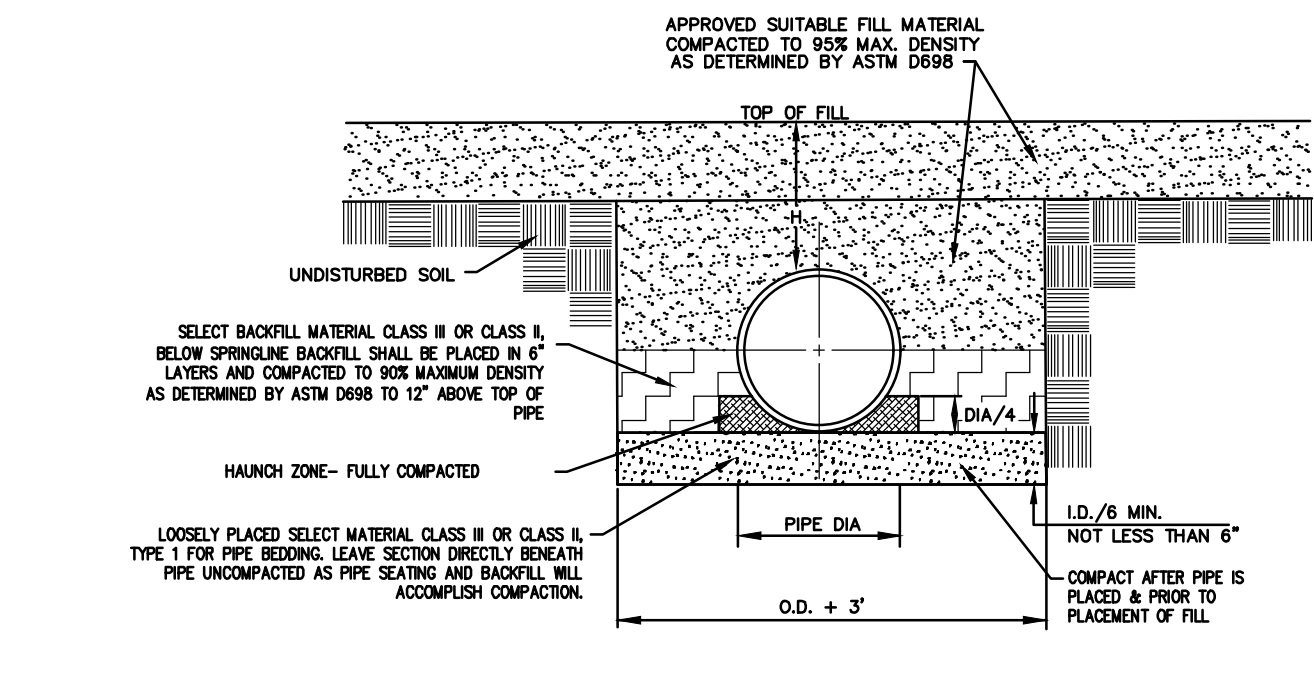
- DESIGN SHALL CONFORM TO LATEST NCDOT 840.46 SPECIFICATIONS FOR "TRAFFIC BEARING PRECAST DRAINAGE STRUCTURE".
- CONCRETE COMPRESSIVE STRENGTH SHALL BE A MINIMUM OF 4,000 PSI.
- USE ASTM A185 GRADE 60 REINFORCING STEEL. USE ASTM A185 WELDED WIRE FABRIC W/ 6\"/>

- LIMIT MAXIMUM DEPTH TO TOP OF BOTTOM SLAB TO 15\"/>
- PLACE LIFT HOLES OR PINS IN ACCORDANCE WITH OSHA STANDARD 1926.704
- ORIENT STRUCTURES SO THAT CORNERS WILL NOT BE CUT OR MODIFIED UNLESS ALLOWED BY DETAIL.
- PRECAST ALL ELEMENTS TO MEET ASTM C913
- FRAME AND GRADE HEIGHT MAY BE ADJUSTED IN ACCORDANCE WITH STANDARD 840.25
- PROVIDE PRECAST STRUCTURES OVER 4'-0\"/>
- WELDED WIRE FABRIC MAY BE SUBSTITUTED FOR REBAR IF THE SAME MIN. AREA OF STEEL IS PROVIDED.
- SEAL JOINTS WITH AN APPROVED SEALANT (SECTION 840.07 OF NCDOT STANDARD SPECIFICATIONS)
- LIMIT MAXIMUM STRUCTURE SIZES INSIDE CLEAR DIMENSIONS TO 6\"/>
- THE OUTSIDE PIPE DIAMETER PLUS 2\"/>
- ANY DEVIATIONS FROM THE APPROVED PLAN & SPECIFICATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.

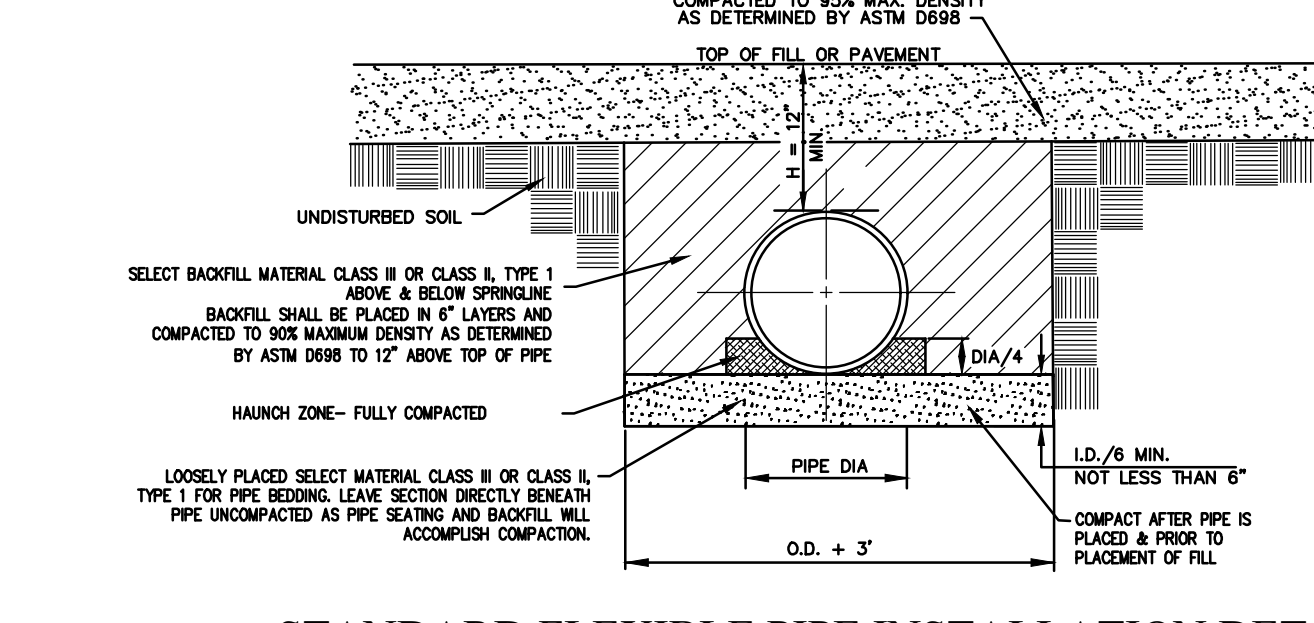
STANDARD TRAFFIC BEARING PRECAST DRAINAGE STRUCTURE
NOT TO SCALE NCDOT STD 840.46



CATCH BASIN FRAME, GRATE & HOOD DETAIL
NOT TO SCALE NCDOT STD 840.03



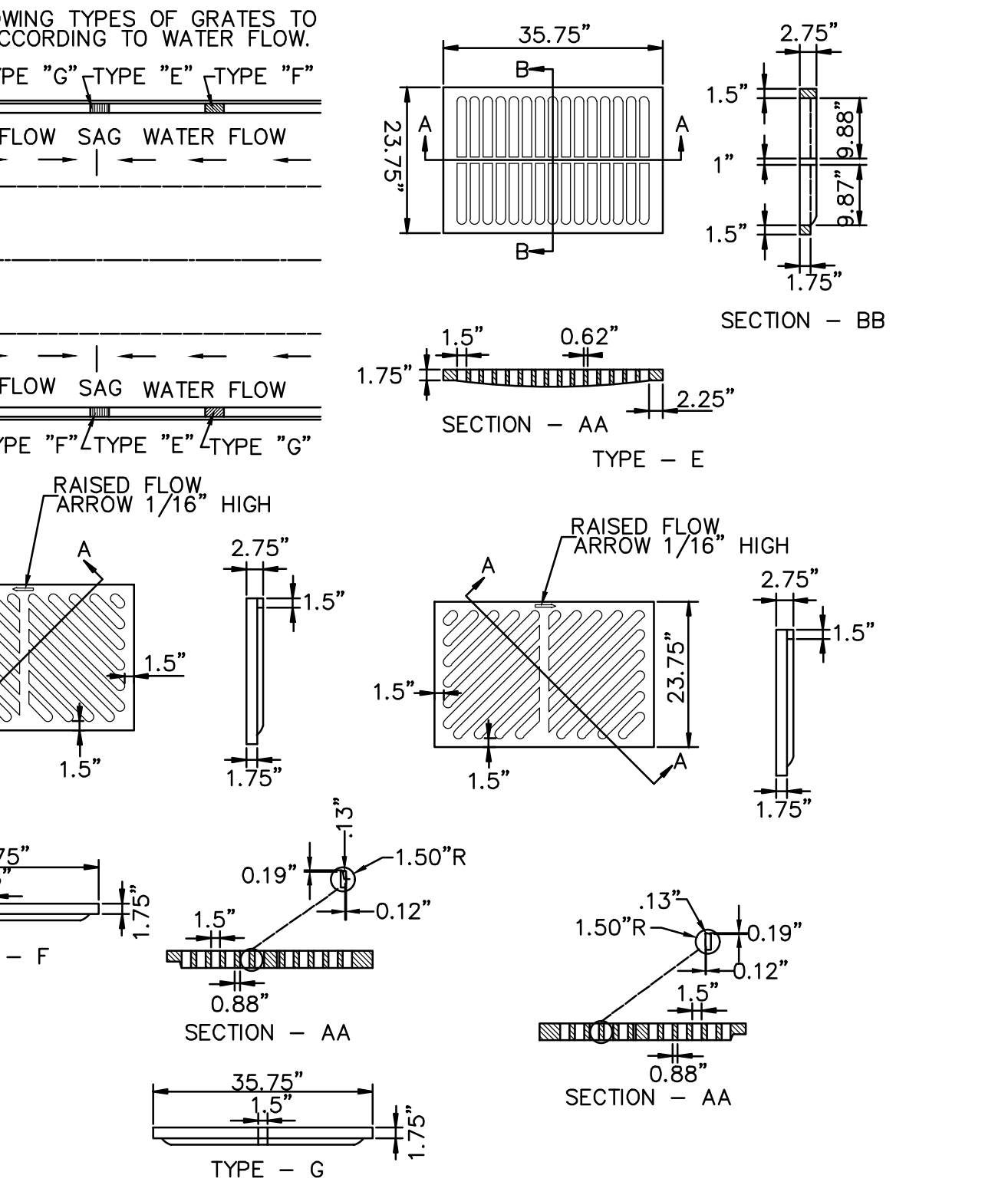
STANDARD RIGID PIPE INSTALLATION DETAIL
NOT TO SCALE NCDOT STD 300001



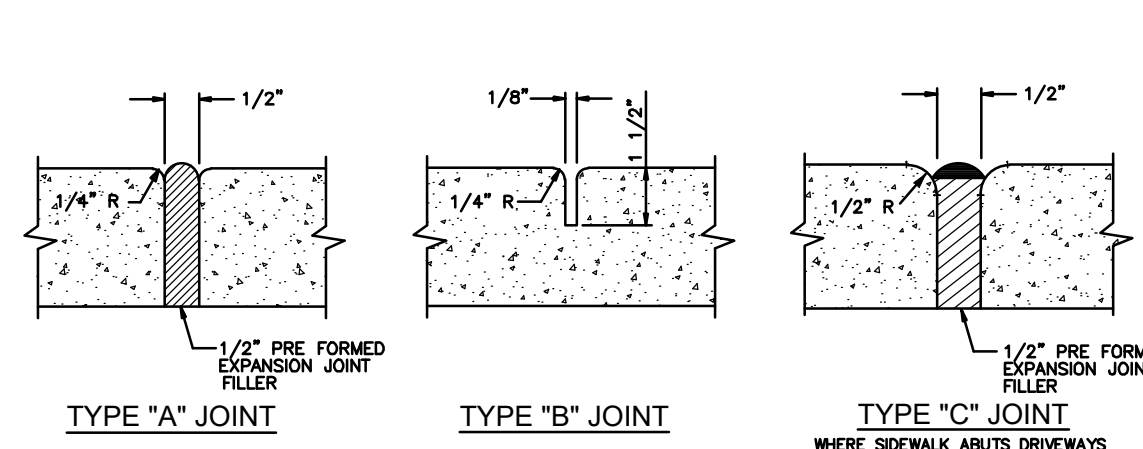
STANDARD FLEXIBLE PIPE INSTALLATION DETAIL
NOT TO SCALE NCDOT STD 300001

GENERAL PIPE INSTALLATION NOTES:

- ALL EXCAVATIONS SHALL COMPLY WITH THE TERMS AND CONDITIONS OF THE CONSTRUCTION STANDARDS FOR EXCAVATIONS IN OSHA "SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION" CHAPTER XVIII OF TITLE 29, CFR, PART 1926. THE CONTRACTOR SHALL HAVE A COMPETENT PERSON ON THE JOB AT ALL TIMES AND SHALL EMPLOY A PROFESSIONAL ENGINEER TO ACT UPON ALL PERTINENT MATTERS OF THE WORK.
- DO NOT OPERATE HEAVY EQUIPMENT OVER ANY PIPE CULVERT UNTIL THE PIPE CULVERT HAS BEEN PROPERLY BACKFILLED AND COVERED WITH AT LEAST 3 FEET OF APPROVED MATERIAL.
- THE PIPE CULVERT INSTALLATION SHALL BE INSTALLED IN ACCORDANCE WITH NCDOT TYPICAL STANDARD DETAIL 300001.



CATCH BASIN GRATE DETAIL
NOT TO SCALE NCDOT STD 840.03B

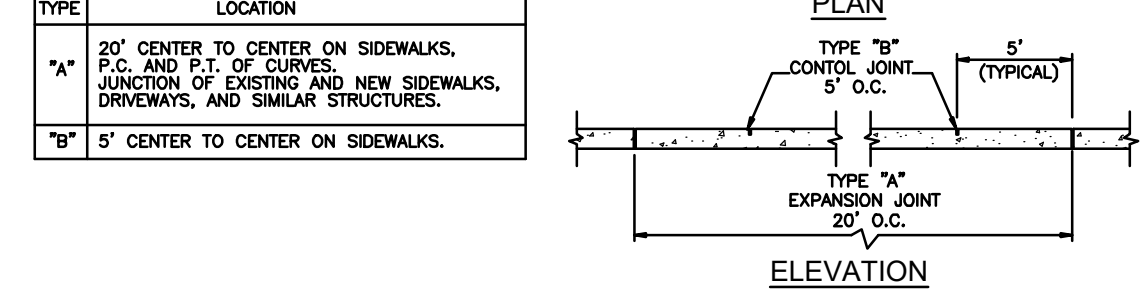


SEWALK AND WALKWAY JOINT NOTES:

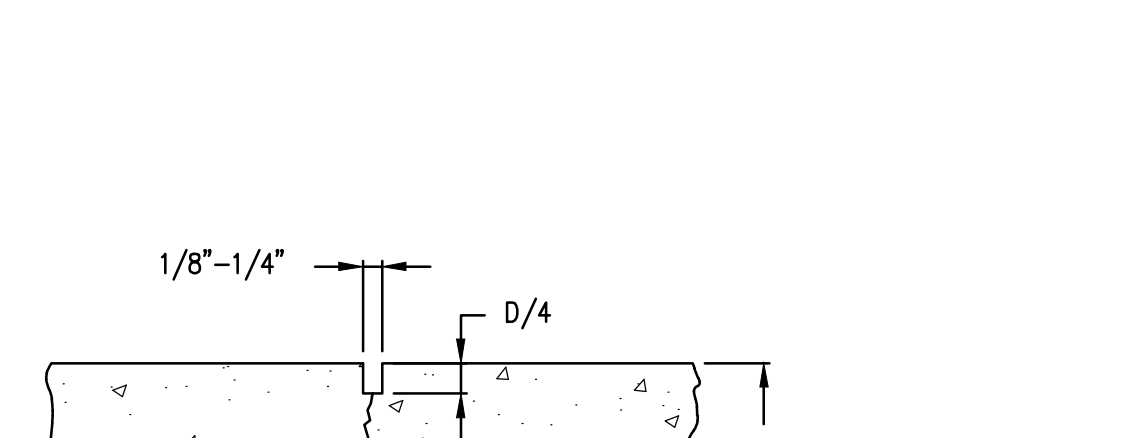
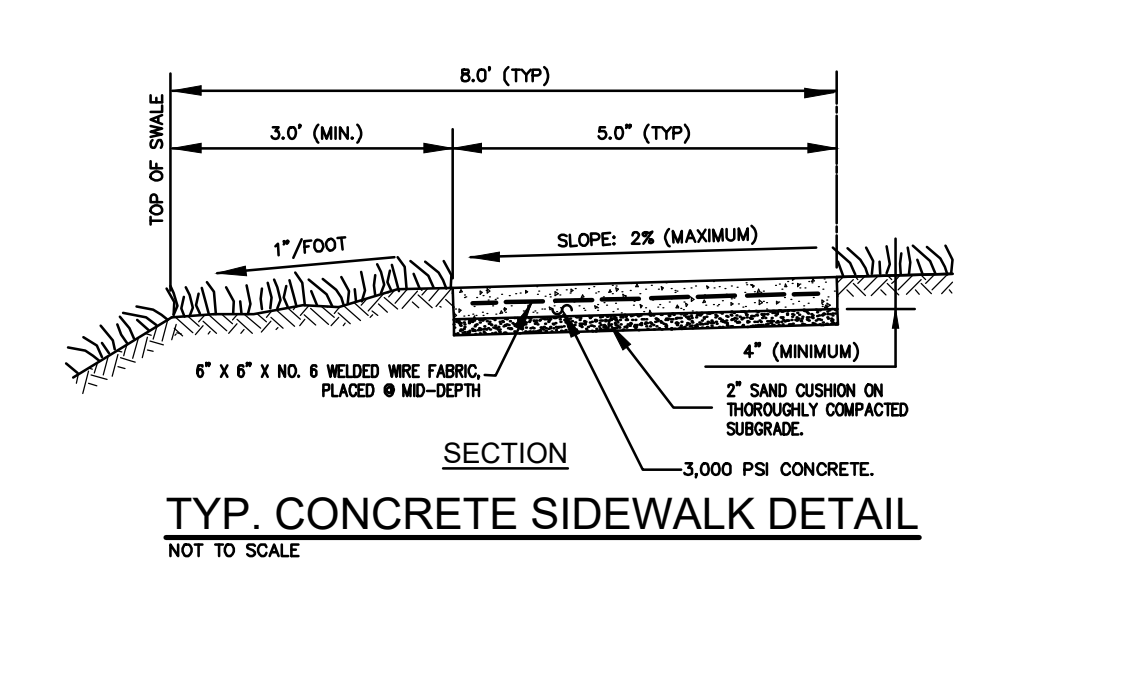
- WALKS SHALL HAVE A 4\"/>
- CONCRETE SHALL BE A MINIMUM OF 3,000 PSI.
- WALKS SHALL HAVE A 5\"/>
- CROSS SLOPE SHALL BE LIMITED TO A MAXIMUM OF 2%.
- LONGITUDINAL SLOPE SHALL BE LIMITED TO A MAXIMUM OF 1:20 (5%) EXCEPT WHERE ACCESSIBILITY RAMPS ARE PROVIDED AS NOTED.
- ALL SEWALKS AND WALKS SHALL BE COMPLIANT WITH THE LATEST HANDSAP ACCESSIBILITY REQUIREMENTS.

TABLE OF SIDEWALK JOINTS

TYPE	LOCATION
"A"	20' CENTER TO CENTER ON SIDEWALKS, P.C. AND P.T. OF CURVES, JUNCTION OF EXISTING AND NEW SIDEWALKS, DRIVEWAYS, AND SIMILAR STRUCTURES.
"B"	5' CENTER TO CENTER ON SIDEWALKS.

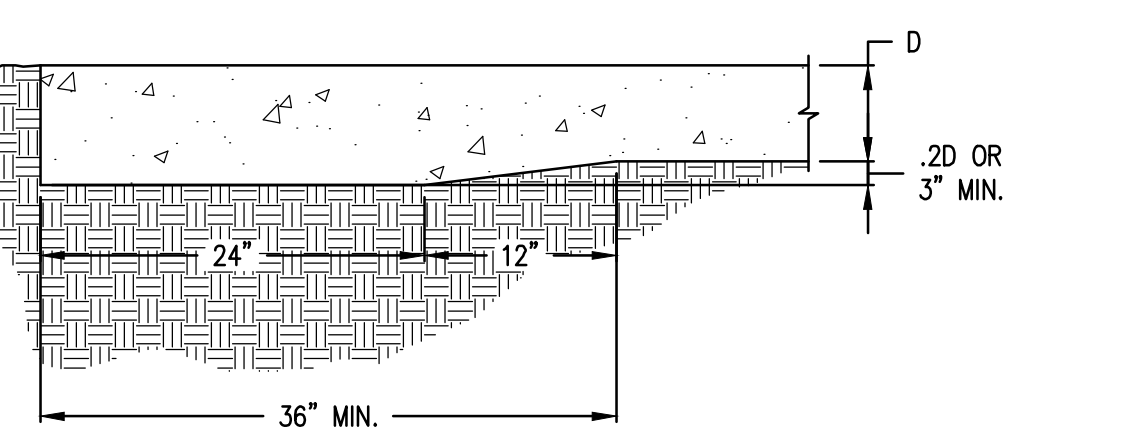


TYP. CONCRETE SIDEWALK DETAIL
NOT TO SCALE



CONVENTIONAL CONCRETE CONTROL JOINT DETAIL
NOT TO SCALE SECTION VIEW

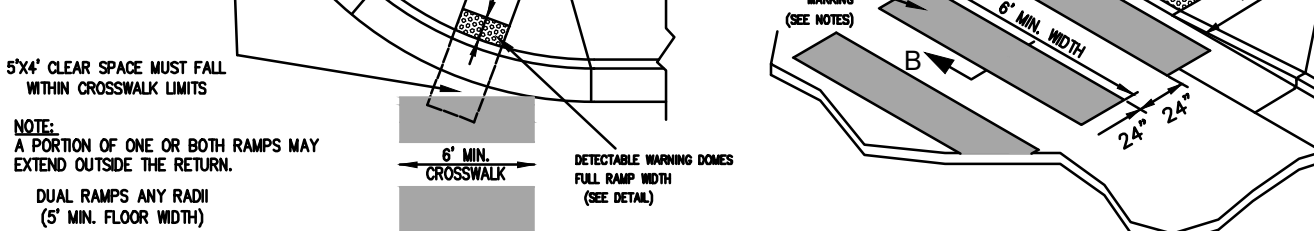
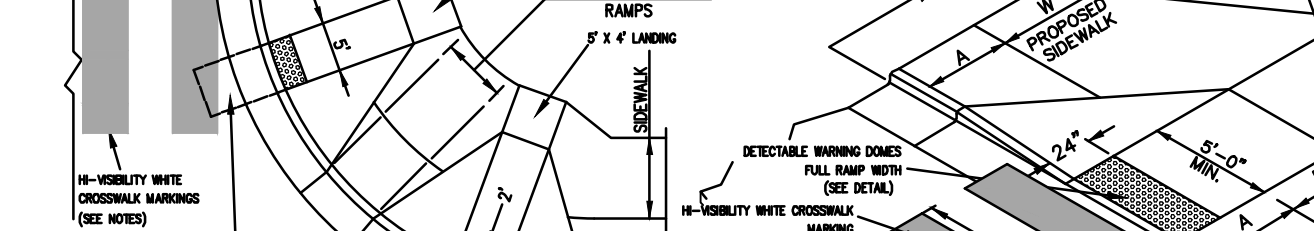
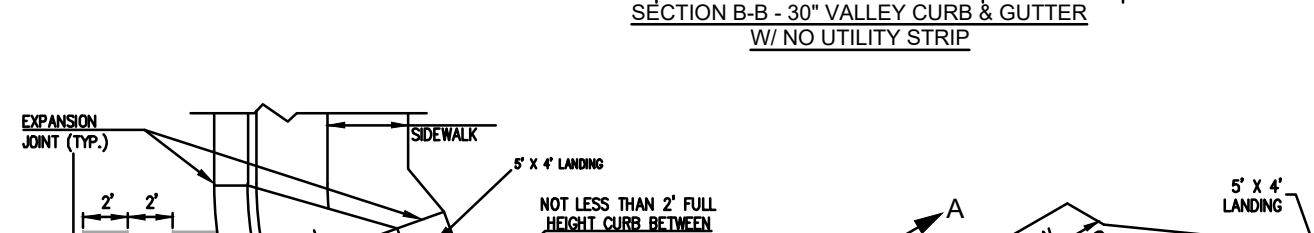
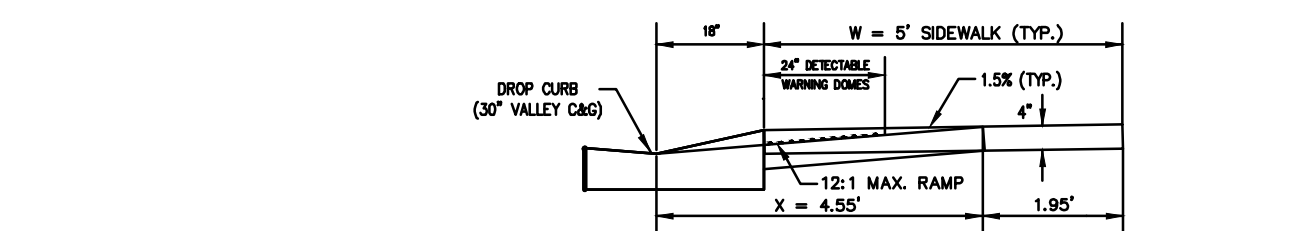
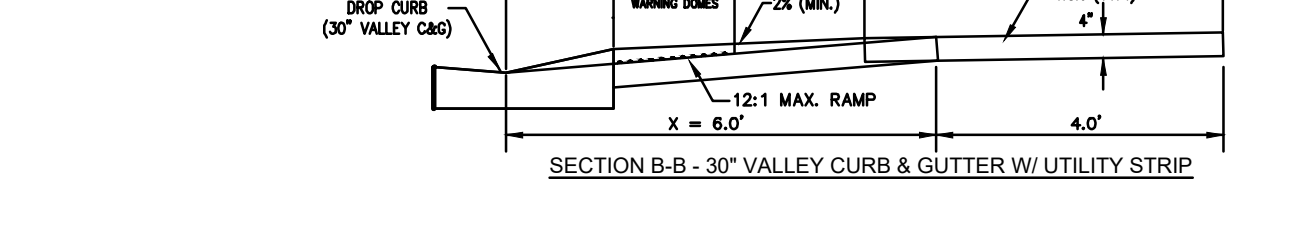
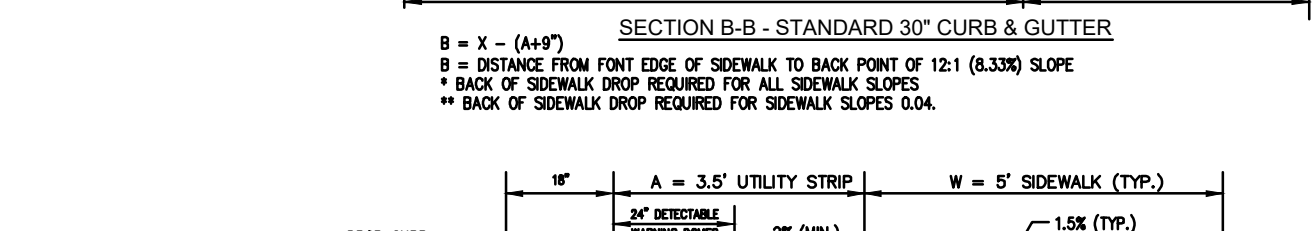
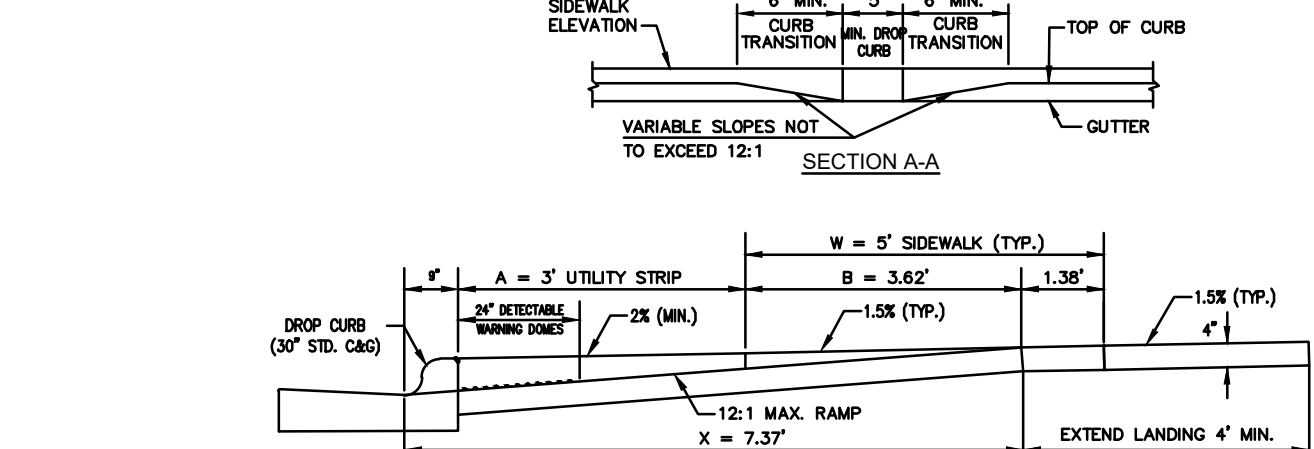
CONVENTIONAL CONCRETE THICKENED EDGE DETAIL
NOT TO SCALE SECTION VIEW



CONVENTIONAL CONCRETE THICKENED EDGE DETAIL
NOT TO SCALE SECTION VIEW

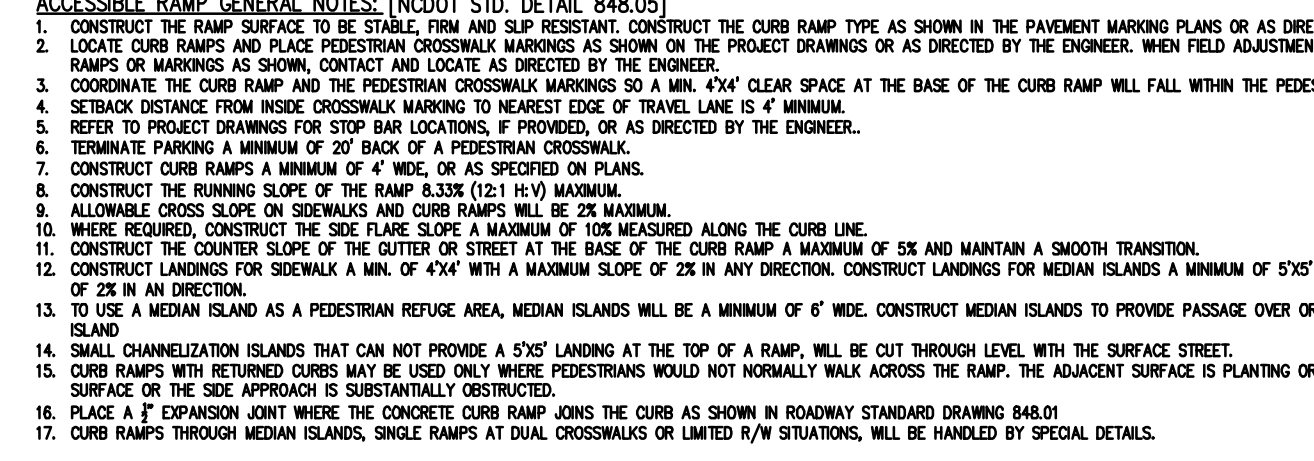
CONVENTIONAL CONCRETE SPECIFICATIONS:

- USE ACI CERTIFIED PLANKWORK FINISHER
- USE ACI 330R-01 GUIDE FOR DESIGN AND CONSTRUCTION OF CONCRETE PARKING LOTS
- USE ACI 330.1-94 STANDARD SPECIFICATION FOR PLAIN CONCRETE PARKING LOTS
- ALL CONCRETE USED IN PARKING LOT, UNLESS OTHERWISE INDICATED, SHALL HAVE A COMPRESSIVE STRENGTH OF 3,500 PSI AT 28 DAYS.
- IF SUBGRADE SOILS ARE FOUND BY THE CONTRACTOR TO BE UNSUITABLE, TESTING AND PREPARATION RECOMMENDATIONS BY A GEOTECHNICAL ENGINEER MUST BE PROVIDED PRIOR TO CONCRETE PLACEMENT.
- IMPORTED SOIL USE FOR BACK FILL SHOULD BE FREE OF HEAVY CLAY, SILTS, STONES, PLANT ROOT OR OTHER FOREIGN MATERIAL GREATER THAN 1/2\"/>
- KEEP ALL JOINTS CONTINUOUS WITH A MAXIMUM JOINT SPACING OF 10 FT.
- CONTROL JOINTS SHALL BE FORMED OR SAWED WITHIN 12 HOURS FROM TIME OF PLACEMENT:
 - SIDEWALK-SPACING SHALL BE SAME AS WIDTH OF PAVEMENT AND LESS THAN 5 FEET IN LENGTH
 - PAVEMENT-MAXIMUM SPACING SHALL BE 2.5 TIMES THICKNESS IN UNIT OF FEET AND LESS THAN 15 FEET IN LENGTH (E.G. T-4 INCH SPACING AT 10'x10')
- CURE CONCRETE IMMEDIATELY AFTER FINISHING OPERATION IS COMPLETED BY USING ONE OF THE FOLLOWING METHODS: WATER, PIGMENTED WATER-BASED CURING COMPOUND OR VISQUEEN AND BURLAP



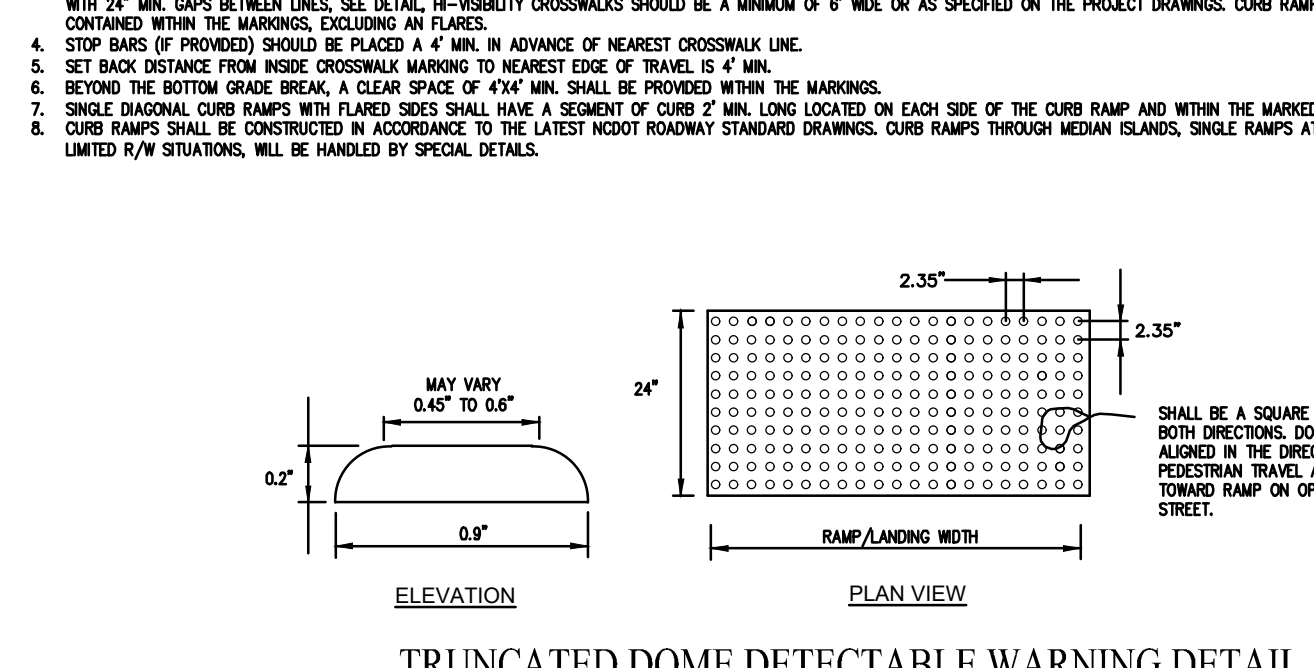
ACCESSIBLE RAMP GENERAL NOTES: (NCDOT STD. DETAIL 848.05)

- CONSTRUCT THE RAMP SURFACE TO BE STABLE, FIRM AND SLIP RESISTANT. CONSTRUCT THE CURB RAMP TYPE AS SHOWN IN THE PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER.
- LOCATE CURB RAMPS AND PLACE PEDESTRIAN CROSSWALK MARKINGS AS SHOWN ON THE PROJECT DRAWINGS OR AS DIRECTED BY THE ENGINEER. WHEN FIELD ADJUSTMENTS REQUIRE MOVING CURB RAMPS OR MARKINGS AS SHOWN, CONTACT AND LOCATE AS DIRECTED BY THE ENGINEER.
- COORDINATE THE CURB RAMP AND THE PEDESTRIAN CROSSWALK MARKINGS SO A MIN. 4\"/>
- SETBACK DISTANCE FROM INSIDE CROSSWALK MARKING TO NEAREST EDGE OF TRAVEL LANE IS 4\"/>
- REFER TO PROJECT DRAWINGS FOR STOP BAR LOCATIONS, IF PROVIDED, OR AS DIRECTED BY THE ENGINEER.
- TERMINATE PARKING A MINIMUM OF 20' BACK OF A PEDESTRIAN CROSSWALK.
- CONSTRUCT CURB RAMPS A MINIMUM OF 4\"/>
- CONSTRUCT THE RUNNING SLOPE OF THE RAMP 0.3% (1:10) MAXIMUM.
- ALTERNATE CROSS SLOPE ON SIDEWALKS AND CURB RAMPS WILL BE A MAXIMUM OF 2%.
- WHERE REQUIRED, CONSTRUCT THE SIDE FLARE SLOPE A MAXIMUM OF 10% MEASURED ALONG THE CURB LINE.
- CONSTRUCT THE COUNTER SLOPE OF THE GUTTER OR STREET AT THE BASE OF THE CURB RAMP A MAXIMUM OF 5% AND MAINTAIN A SMOOTH TRANSITION.
- CONSTRUCT LANDINGS FOR SIDEWALK A MIN. OF 4\"/>
- CONSTRUCT LANDINGS FOR MEDIAN ISLANDS A MINIMUM OF 5\"/>
- USE A MEDIAN ISLAND AS A PEDESTRIAN REFUGE AREA. MEDIAN ISLANDS WILL BE A MINIMUM OF 6\"/>
- SMALL CHANNELIZATION ISLANDS THAT CAN NOT PROVIDE A 5\"/>
- CURB RAMPS WITH RETAINED CURBS MAY BE USED ONLY WHERE PEDESTRIANS WOULD NOT NORMALLY WALK ALONG THE RAMP. THE ADJACENT SURFACE IS PLANTING OR OTHER NON-WALKING SURFACE OR THE SIDE APPROACH IS SUBSTANTIALLY RESTRICTED.
- PLACE A 2\"/>
- CURB RAMPS THROUGH MEDIAN ISLANDS, SINGLE RAMPS AT DUAL CROSSWALK OR LIMITED R/W SITUATIONS, WILL BE HANDLED BY SPECIAL DETAILS.



PEDESTRIAN CROSSWALK GENERAL NOTES: (NCDOT STD. DETAIL 1205.07)

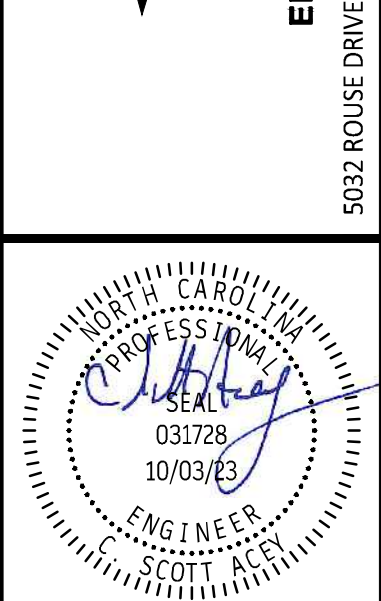
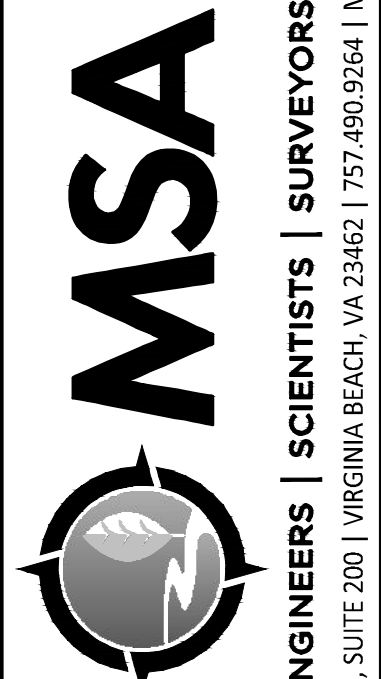
- USE THE DETAILS ABOVE AND THE FOLLOWING NOTES FOR GUIDANCE IN PLACING CROSSWALK MARKINGS. REFER TO NCDOT ROADWAY STANDARD DRAWINGS, MUTED AND ADA STANDARDS FOR ADDITIONAL GUIDANCE.
- THE LOCATION AND TYPE OF CROSSWALK MARKINGS SHOWN ON THE ABOVE DETAILS ARE FOR REFERENCE ONLY. LOCATE CROSSWALK MARKINGS AS SHOWN ON THE PROJECT DRAWINGS OR AS DIRECTED BY THE ENGINEER. THE CROSSWALK MARKING TYPE, STANDING OR H-VISIBILITY, SHALL BE INSTALLED AS SPECIFIED ON THE PROJECT DRAWINGS OR AS DIRECTED BY THE ENGINEER.
- THE STANDARD CROSSWALK IS THE TWO WHITE LINE TRANSVERSE LINES WITH A 6\"/>
- STOP BARS (IF PROVIDED) SHOULD BE PLACED A 4\"/>
- SET BACK DISTANCE FROM INSIDE CROSSWALK MARKING TO NEAREST EDGE OF TRAVEL IS 4\"/>
- BEYOND THE BOTTOM GRADE BREAK, A CLEAR SPACE OF 4\"/>
- SINGLE DIAGONAL CURB RAMPS WITH FLARED SIDES SHALL HAVE A SEGMENT OF CURB 2\"/>
- CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE TO THE LATEST ROADWAY STANDARD DRAWINGS. CURB RAMPS THROUGH MEDIAN ISLANDS, SINGLE RAMPS AT DUAL CROSSWALKS OR LIMITED R/W SITUATIONS, WILL BE HANDLED BY SPECIAL DETAILS.



TRUNCATED DOME DETECTABLE WARNING DETAIL
NOT TO SCALE

DETECTABLE WARNING GENERAL NOTES

- DETECTABLE WARNING SHALL CONSIST OF RAISED TRUNCATED DOMES MANUFACTURED BY "COTE-L INDUSTRIES, INC." CALLED "SAFTI-TRAX" WITH POLYURETHANE COATING "DURABAK", OR APPROVED EQUAL. APPLIED ON SMOOTH (NON-GROOVED) CLEAN CONCRETE RAMP AND SHALL CONFORM TO THE DETAILS IN THE PLANS AND IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND INSTALLATION INSTRUCTIONS.
- ALL DETECTABLE WARNING AREAS SHALL START AT BACK OF CURB, BE 24 INCHES IN DEPTH AND COVER THE COMPLETE WIDTH OF THE RAMP AREA 48 INCHES MIN.
- 70% VISUAL CONTRAST IS REQUIRED. THE COLOR SHALL BE AN INTEGRAL PART OF THE DETECTABLE WARNING MATERIAL, AS SPECIFIED ON THE PLANS. COLOR TO BE DETERMINED BY THE CITY STAFF. SAFETY YELLOW IS THE DEFAULT COLOR.
- THE SMOOTH AND CLEAN CONCRETE UNDER DETECTABLE WARNING DEVICE AREA SHALL BE INCLUDED IN THE COST OF THE CONCRETE CURB RAMP. THE COST OF FURNISHING AND INSTALLING THE DETECTABLE WARNING DEVICE SHALL BE INCLUDED SEPARATELY AS "DETECTABLE WARNING DEVICE" PER SQUARE FOOT OR AS OUTLINED IN THE SPECIFICATIONS.
- DETECTABLE WARNING SURFACE: APPLIED A COATING OF "DURABAK" SLIP-RESISTANT POLYURETHANE COATING TO THE SMOOTH, CLEAN CONCRETE SURFACE. ON TOP OF THE POLYURETHANE COATING APPLY TRUNCATED DOMES FROM A "SAFTI-TRAX" CONTACT SHEET. ON TOP OF THE TRUNCATED DOMES AND INITIAL POLYURETHANE COATING PLACE THREE ADDITIONAL COATS OF "DURABAK" POLYURETHANE COATING. COLOR TO BE DETERMINED BY CITY STAFF OR AS SPECIFIED ON THE PLANS. SAFETY YELLOW IS A DEFAULT COLOR.
- ALL RAMPS AND DETECTABLE WARNING SHALL BE ALIGNED IN THE DIRECTION OF PEDESTRIAN TRAVEL AND DIRECTED TOWARD RAMP ON THE OPPOSITE SIDE OF STREET.



DESIGNED	RWS
DRAWN	LDU
CHECKED	DMW
APPROVED	CSA
DATE	10/03/23

REVISION	NO.	DESCRIPTION

DETAILS OF LOTUS RIDGE

CURRITUCK COUNTY NORTH CAROLINA
MOYOCK TOWNSHIP

GENERAL PROJECT NOTES:

- PROJECT NAME: LOTUS RIDGE
MOYOCK, CURRITUCK COUNTY, NORTH CAROLINA
- APPLICANT: PUDDIN RIDGE AP, LLC
4100 CAROTON HIGHWAY
MOYOCK, NC 27558
- PROJECT DESCRIPTION: 177 LOT RESIDENTIAL SUBDIVISION
- NEAREST RECEIVING STREAM: ROLAND CREEK CANAL 30+1.2-2.5-1-2-1
- STREAM CLASSIFICATION: C, SW, - PASQUOTANK RIVER BASIN
- PROJECT AREA TABULATION:

TOTAL PROPERTY AREA:	2256.7 AC.
TOTAL PROPOSED DISTURBED AREA:	2239.4 AC.

AREA CALCULATION NOTE:
All areas have been calculated utilizing properties within the Autocad software.

MATERIAL BALANCE NOTE:
All excavated material occurring during the course of construction shall remain on-site for roadway construction and lot grading. See SCHEDULE OF LAND DISTURBING ACTIVITIES provided on Sheet 5 of this set for an estimated cut/fill material balance for the project.

WETLAND NOTE:
No A01 jurisdictional wetlands have been identified on the property.

STABILIZATION NOTE:
The angle of graded slopes and fills shall be no greater than the angle that can be retained by vegetative cover or other adequate erosion control devices or structures.
In any event, all disturbed areas left exposed will, WITHIN 14 CALENDAR DAYS OF COMPLETION of any phase of grading, be planted or otherwise protected with temporary or permanent ground cover, devices, or structures sufficient to restrain erosion.
Additionally, certain critical areas as identified on the plan, such as, but not limited to, perimeter dikes, swales, slopes steeper than 3:1, and areas located within High Quality Water Zones, must be temporarily or permanently stabilized WITHIN 7 CALENDAR DAYS OF COMPLETION of any phase of grading in these areas.
A permanent ground cover for all disturbed areas must be provided WITHIN 15 WORKING DAYS OR 90 CALENDAR DAYS (whichever is shorter) following completion of construction or development.

SEDIMENTATION AND EROSION CONTROL NOTES:

A. NARRATIVE AND SITE DATA
LOTUS RIDGE IS A RESIDENTIAL SUBDIVISION DEVELOPMENT SITED FOR CONSTRUCTION ON A 256.67 ACRE TRACT OF LAND LOCATED EAST OF PUDDIN RIDGE ROAD (SR 1215) IN THE MOYOCK TOWNSHIP OF CURRITUCK COUNTY. THE DEVELOPMENT PLAN INCLUDES 177 SINGLE FAMILY HOME LOTS SERVED BY PROPOSED ROADWAY, DRAINAGE AND UTILITY IMPROVEMENTS.
THE SITE'S EXISTING TOPOGRAPHY IS GENERALLY FLAT, WITH SLOPES RANGING BETWEEN 0.2% AND ELEVATIONS RANGING BETWEEN 16 - 5 FT MSL. THE PROPERTY IS BOUNDED TO THE NORTH BY ROLAND CREEK CANAL, TO THE EAST BY THE EAGLE CREEK SUBDIVISION, TO THE SOUTH BY THE GUINEA MILL RUN CANAL AND TO THE WEST BY PUDDIN RIDGE ROAD. EXISTING USE OF THE LAND IS AGRICULTURAL AND SURROUNDING DEVELOPMENT IS PRIMARILY RESIDENTIAL SINGLE FAMILY HOMES.
A SYSTEM OF TYPICAL FARM DITCHES DRAIN THE SITE TO AN EXISTING DRAINAGE CANALS RUNNING ALONG THE SOUTHERN AND SOUTHERN PROPERTY BOUNDARY. BOTH OF THESE DITCHES DRAIN EAST AND ULTIMATELY CONNECT TO TULL BAY.
PURSUANT TO THE USDA SOIL SURVEY MANUAL OF CURRITUCK COUNTY, SITE SOILS ARE COMPOSED OF PRIMARILY CAPE FEAR LOAM. CAPE FEAR SERIES SOILS ARE DESCRIBED AS BEING VERY POORLY DRAINAGE WITH SLOW PERMEABILITY RATES RANGING LESS THAN 0.06 IN/HR.

CONSTRUCTION SEQUENCE SCHEDULE

CONSTRUCTION ACTIVITY

Construction Access— Construction entrance, construction roads, equipment parking areas, construction takes place.

Sediment Traps & Barriers
Barricades, perimeter dikes, water bars, and outlet protection

Runoff Control—
Diversion, perimeter dikes, water bars, and outlet protection

Runoff Conveyance System—
Stables stream banks, storm drains, channels, inlet & outlet protection, slope drains

Land Clearing & Grading—
Site preparation— cutting, filling & grading, sediment traps, barriers, diversions, drains, surface roughening

Surface Stabilization—
Temporary & permanent seeding, mulching, sodding, rip rap.

Building Construction—
Buildings, utilities, paving.

Landscape & Final Stabilization—
Topsoiling, trees & shrubs, permanent seeding, mulching, sodding, rip rap.

SCHEDULE CONSIDERATION

First land-disturbing activity—Stabilize bare areas immediately with gravel & temporary vegetation as construction takes place.

Install principal basins after construction site is accessed. Install additional traps and barriers as needed during grading.

Install key practices after principal sediments traps and before land grading. Install additional runoff-control conveyance measures during grading.

Where necessary, stabilize stream banks as early as possible. Install principal runoff conveyance system with runoff-control measures. Install remainder of system after grading.

Apply temporary or permanent stabilization measures immediately on all disturbed areas where work is delayed or complete.

Install necessary erosion & sedimentation control practices as work takes place.

Stabilize all open areas, including borrow & spoil areas. Remove & stabilize all temporary control measures.

LAND GRADING CONSTRUCTION SPECIFICATIONS

- Construct & maintain all erosion & sedimentation control practices & measures in accordance with the approved sedimentation control plan and construction schedule.
- Remove good topsoil from areas to be graded and filled, and preserve it for use in finishing the grading of all critical areas.
- Scarify areas to be topsoiled to a minimum depth of 2 inches before placing topsoil.
- Clear & grub areas to be filled to remove trees, vegetation, roots, or other objectionable material that would affect the planned stability of fill.
- Ensure that fill material is free of brush, rubbish, rocks, logs, stumps, building debris, and other materials inappropriate for constructing stable fills.
- Place all fill in layers not to exceed 9 inches in thickness, and compact the layers as required to reduce erosion, slippage, settlement, or other related problems.
- Do not incorporate frozen material or soft, mucky, or highly compressible materials into fill slopes.
- Do not place fill on a frozen foundation, due to possible subsidence and slippage.
- Keep diversions and other water conveyance measures free of sediment during all phases of development.
- Handle seeps or springs encountered during construction in accordance with approved methods.
- Following completion of any phase of grading, provide a groundcover (temporary or permanent) on all exposed slopes within 14 calendar days, or 7 calendar days in critical areas identified on the plan; and, a permanent groundcover for all disturbed areas within 15 working days or 90 calendar days (whichever is shorter) following completion of construction or development.
- Provide adequate protection from erosion for all topsoil stockpiles, borrow areas, and spoil areas.

MAINTENANCE

Periodically check all graded areas and the supporting erosion & sedimentation control practices, especially after heavy rainfalls. Promptly remove all sediment from diversions and other water-disposal practices. If weirs or breaks occur, repair them immediately. Prompt maintenance of small-eroded areas before they become significant gullies is an essential part of an effective erosion & sedimentation control plan.

PERMANENT SEEDING

The purpose of permanent seeding is to reduce erosion and decrease sediment yield from disturbed areas, and to permanently stabilize such areas in a manner that is economical, adapts to site conditions, and allows selection of the most appropriate plant materials. These areas must be seeded or planted within 15 working days or 90 calendar days after final grade is reached, unless temporary stabilization is applied.

PERMANENT SEEDING SPECIFICATIONS
Seeding Recommendations for Summer
SEEDING DATES— April to July

SEEDING MIXTURE
Species Rate
Common bermudagrass 10/1,000 sf (sprigs)
1-2 lb/1,000 sf (seed)

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

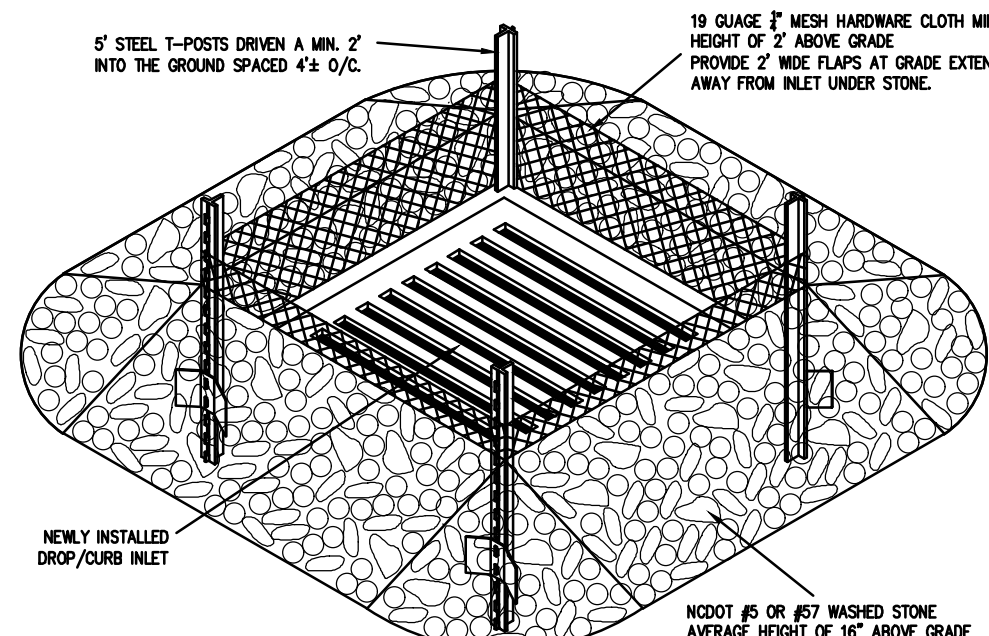
SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June

SEEDING MIXTURE
Species Rate
Walter Rye (grass) 120 (Annual Ryegrass shall not be used)
Annual Lespedeza 50
(Kobe)
*Ornith Annual Lespedeza when duration of temporary cover is not to extend beyond June



DROP/CURB INLET PROTECTION

NOT TO SCALE

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

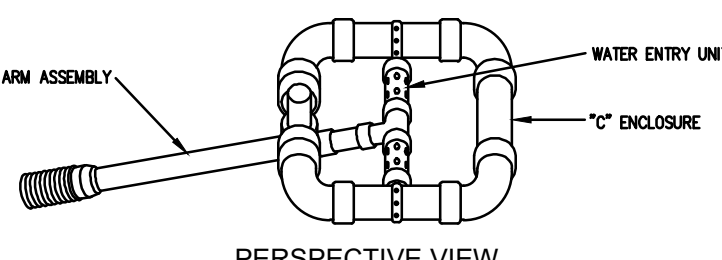
INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

INLET PROTECTION SPECIFICATIONS

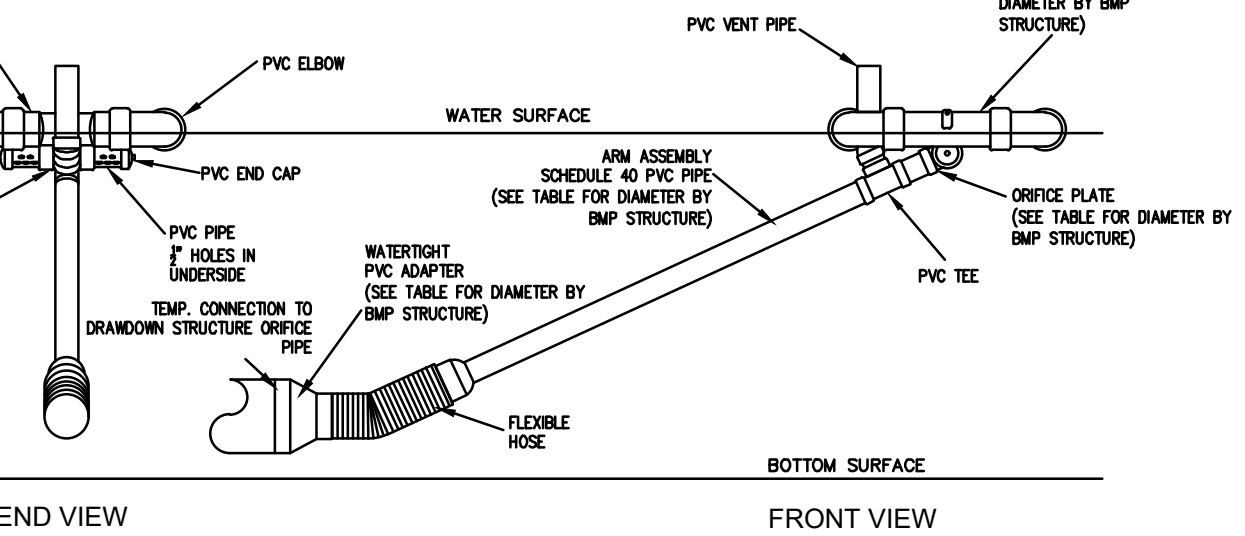
INLET PROTECTION SPECIFICATIONS



TYPICAL SKIMMER DETAIL

NOT TO SCALE

LOCATION AS NOTED ON PLAN



TYPICAL SKIMMER DETAIL

NOT TO SCALE

LOCATION AS NOTED ON PLAN

LOCATION AS NOTED ON PLAN

LOCATION AS NOTED ON PLAN

LOCATION AS NOTED ON PLAN

LOCATION AS NOTED ON PLAN

GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT

Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

SECTION E: GROUND STABILIZATION

Required Ground Stabilization Timeframes		
Site Area Description	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
(b) High Quality Water (HQW) Zones	7	None
(c) Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed
(d) Slopes 3:1 to 4:1	14	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1
		-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones
(e) Areas with slopes flatter than 4:1	14	-10 days for Falls Lake Watershed
		-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones
		-10 days for Falls Lake Watershed unless there is zero slope

Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

GROUND STABILIZATION SPECIFICATION

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below:

Temporary Stabilization	Permanent Stabilization
<ul style="list-style-type: none"> Temporary grass seed covered with straw or other mulches and tackifiers Hydroseeding Rolled erosion control products with or without temporary grass seed Appropriately applied straw or other mulch Plastic sheeting 	<ul style="list-style-type: none"> Permanent grass seed covered with straw or other mulches and tackifiers Geotextile fabrics such as permanent soil reinforcement matting Hydroseeding Shrubs or other permanent plantings covered with mulch Uniform and evenly distributed ground cover sufficient to restrain erosion Structural methods such as concrete, asphalt or retaining walls Rolled erosion control products with grass seed

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

- Select flocculants that are appropriate for the soils being exposed during construction, selecting from the *NC DWR List of Approved PAMS/Flocculants*.
- Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.
- Apply flocculants at the concentrations specified in the *NC DWR List of Approved PAMS/Flocculants* and in accordance with the manufacturer's instructions.
- Provide ponding area for containment of treated Stormwater before discharging offsite.
- Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

EQUIPMENT AND VEHICLE MAINTENANCE

- Maintain vehicles and equipment to prevent discharge of fluids.
- Provide drip pans under any stored equipment.
- Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
- Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
- Remove leaking vehicles and construction equipment from service until the problem has been corrected.
- Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE

- Never bury or burn waste. Place litter and debris in approved waste containers.
- Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacle) on site to contain construction and domestic wastes.
- Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland.
- Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
- Anchor all lightweight items in waste containers during times of high winds.
- Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
- Dispose waste off-site at an approved disposal facility.
- On business days, clean up and dispose of waste in designated waste containers.

PAINT AND OTHER LIQUID WASTE

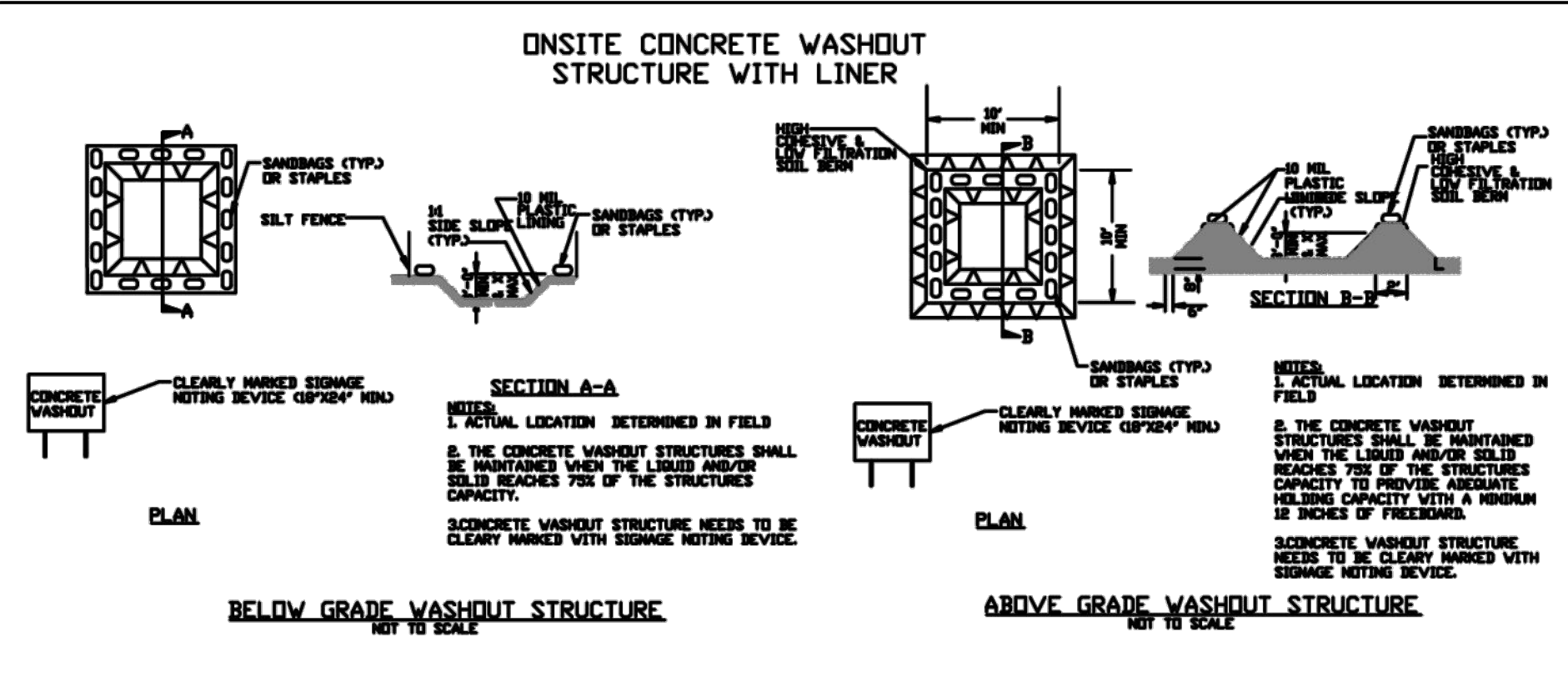
- Do not dump paint and other liquid waste into storm drains, streams or wetlands.
- Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Contain liquid wastes in a controlled area.
- Containment must be labeled, sized and placed appropriately for the needs of site.
- Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

PORTABLE TOILETS

- Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags.
- Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
- Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

EARTHEN STOCKPILE MANAGEMENT

- Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.
- Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
- Provide stable stone access point when feasible.
- Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.



CONCRETE WASHOUTS

- Do not discharge concrete or cement slurry from the site.
- Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
- Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within lot perimeter silt fence.
- Install temporary concrete washouts per local requirements, where applicable. If an alternate method or product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail.
- Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste must be pumped out and removed from project.
- Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive spills or overflow.
- Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the approving authority.
- Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location.
- Remove leavings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.
- At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

HERBICIDES, PESTICIDES AND RODENTICIDES

- Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
- Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.
- Do not store herbicides, pesticides and rodenticides in areas where flooding is possible or where they may spill or leak into wells, stormwater drains, ground water or surface water. If a spill occurs, clean area immediately.
- Do not stockpile these materials onsite.

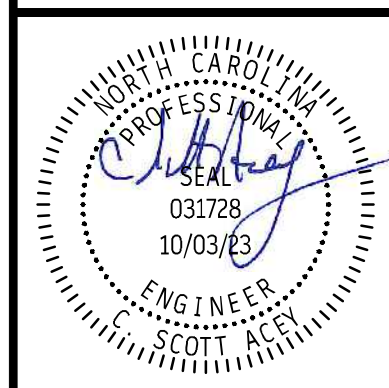
HAZARDOUS AND TOXIC WASTE

- Create designated hazardous waste collection areas on-site.
- Place hazardous waste containers under cover or in secondary containment.
- Do not store hazardous chemicals, drums or bagged materials directly on the ground.

S:\projects\1784_Pullen_Ridge - Justin\External References\Construction Drawings\11-14-23_Submittal Set\3083_Cover & Detailing [C-505] - Tuesday November 14, 2023, 3:04pm

NCG01 GROUND STABILIZATION AND MATERIALS HANDLING

EFFECTIVE: 04/01/19



DESIGNED	RWS	LDU	DMW	CSA	DATE
DRAWN					10/03/23
CHECKED					
APPROVED					

REVISION	DESCRIPTION	DATE

NCG01-GROUND STABILIZATION & MATERIALS HANDLING
OF
LOTUS RIDGE
CURRITUCK COUNTY NORTH CAROLINA
MOYOCK TOWNSHIP

