

STONEWATER SUBDIVISION

PHASE 4 CONSTRUCTION DRAWINGS

SITE DATA - PHASE 4

WAKE COUNTY PINS - 1749-73-7967 & 1749-73-4541
CURRENT ZONING - R-2 CZ
TOTAL PROJECT AREA - 33.18 ACRES
FORESTVILLE RW DEDICATION - 0.23 ACRE
NET DEVELOPMENT AREA - 32.95 ACRES
TOTAL NUMBER OF LOTS - 37
AVERAGE LOT SIZE - 16,632 SF (0.38 ACRES)
MINIMUM LOT SIZE - 15,000 SF (0.34 ACRES)
TOTAL REQUIRED OPEN SPACE AREA - 3.30 AC (10% OF PROJECT AREA)
TOTAL PROVIDED OPEN SPACE AREA - 14.79 AC (44.9%)

DEVELOPER:
MBA LAND GROUP, LLC
7101 CREEDMOOR ROAD, SUITE 122
RALEIGH, NC 27613
919-845-6688
CONTACT: ANDREW SANDMAN

ENGINEER:
JONES & CROSSEN ENGINEERING, PLLC
PO BOX 1062, 221 N. SALEM ST.
APEX, NC 27502
919-387-1174
CONTACT: PETER CROSSEN

MINIMUM BUILDING SETBACKS

FRONT - 30 FEET
SIDE - 12 FEET
SIDE CORNER - 22 FEET
REAR - 25 FEET

SEWER & WATER CALCULATION

WATER
37 LOTS X 250 GPD/LOT = 9,250 GPD

SEWER
37 LOTS X 250 GPD/LOT = 9,250 GPD

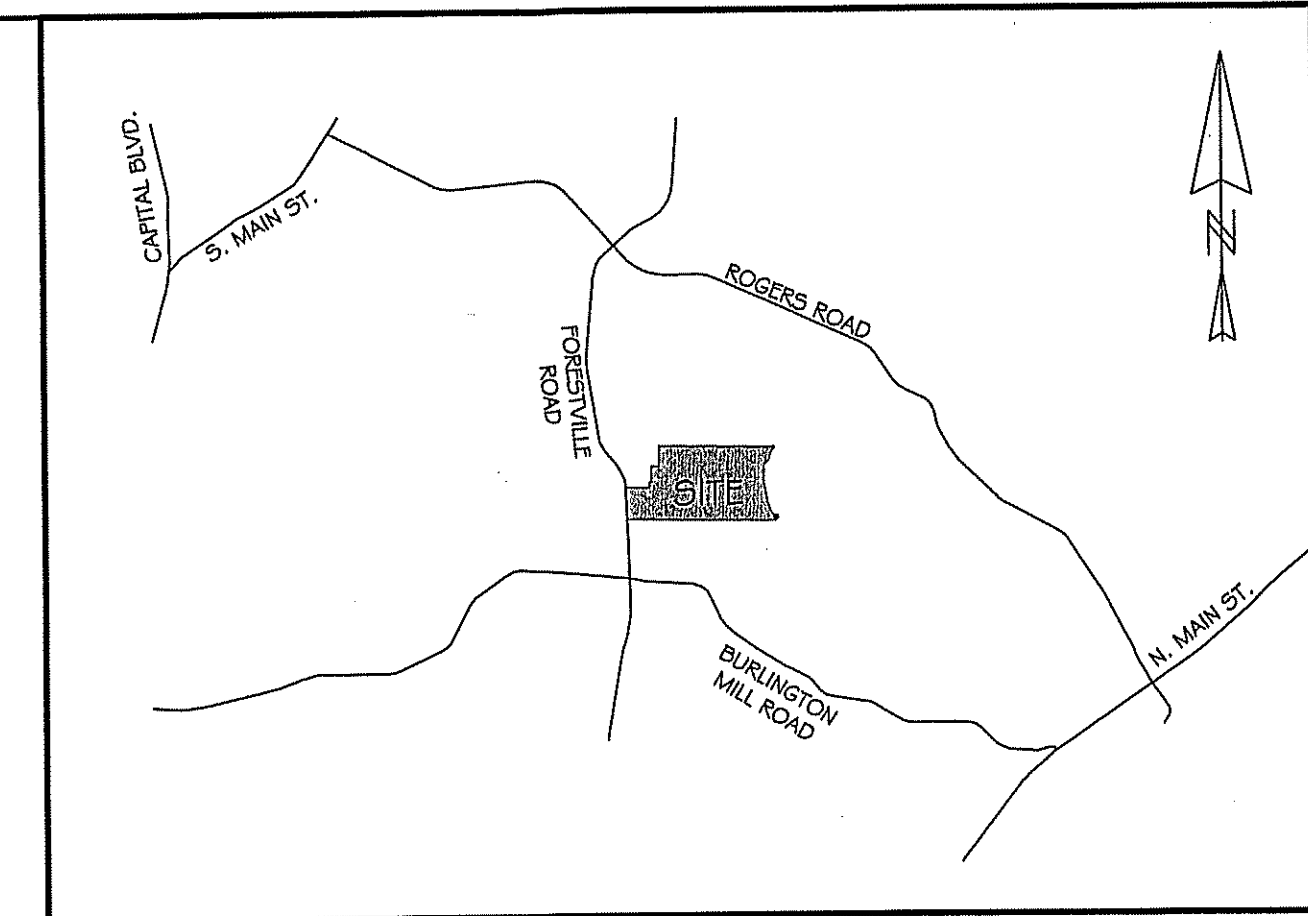
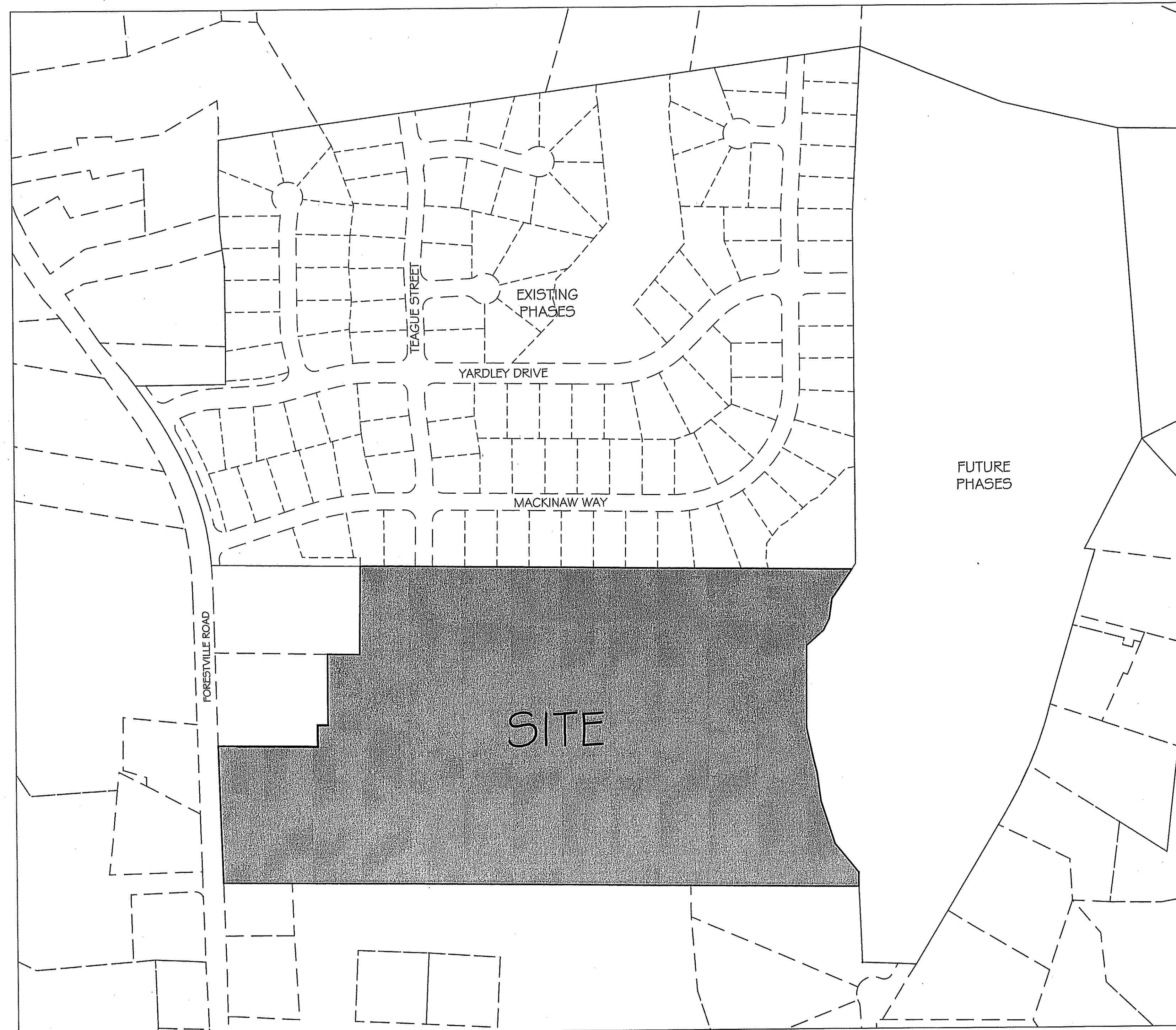
TOTAL LINEAR FOOTAGE OF SEWER = 2,952 LF
TOTAL LINEAR FOOTAGE OF WATER = 2,139 LF

ATTENTION CONTRACTORS

THE CONSTRUCTION CONTRACTOR RESPONSIBLE FOR THE EXTENSION OF THE WATER AND SEWER, AS APPROVED IN THESE PLANS, IS RESPONSIBLE FOR CONTACTING THE PUBLIC UTILITIES DEPARTMENT AT 919-996-4540, AT LEAST TWENTY-FOUR HOURS PRIOR TO BEGINNING ANY OF THEIR CONSTRUCTION.

FAILURE TO NOTIFY BOTH CITY DEPARTMENTS IN ADVANCE OF BEGINNING CONSTRUCTION WILL RESULT IN THE ISSUANCE OF MONETARY FINES AND REQUIRE REINSTALLATION OF ANY WATER OR SEWER FACILITIES NOT INSPECTED AS A RESULT OF THIS NOTIFICATION FAILURE.

FAILURE TO CALL FOR INSPECTION, INSTALL A DOWNSTREAM PLUG, HAVE PERMITTED PLANS ON JOB SITE, OR ANY OTHER VIOLATION OF CITY OF RALEIGH STANDARDS WILL RESULT IN A FINE AND POSSIBLE EXCLUSION FROM FUTURE WORK IN THE CITY OF RALEIGH.

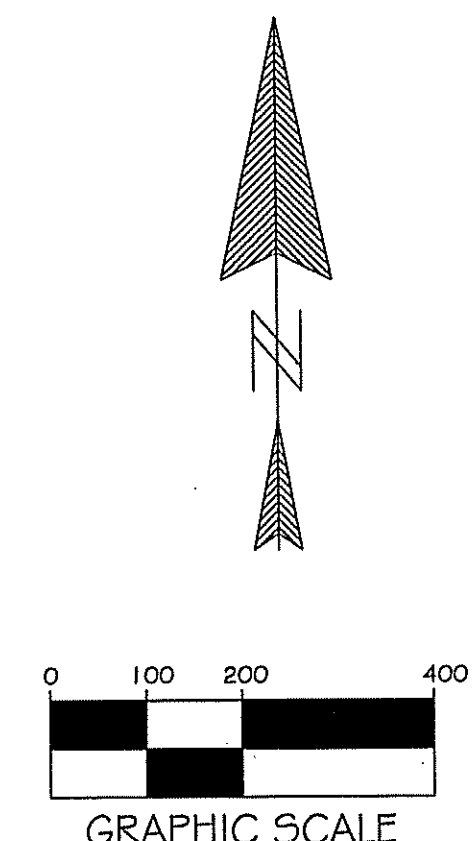


VICINITY MAP
N.T.S.

CONSTRUCTION DRAWING SHEET INDEX

1	COVER SHEET
2	EXISTING CONDITIONS PLAN
3	LOT LAYOUT PLAN
4	GRADING & STORM DRAINAGE PLAN
5	GRADING & EROSION CONTROL PLAN
6	UTILITY PLAN
7	TEAGUE STREET (13+40 - END) & SEWER OUTFALL C
8	FEATHERY LANE & SEWER OUTFALL A
9	MARGRAVE DRIVE & SEWER OUTFALL B
10	STORMWATER POND #1 PLAN
11	EROSION CONTROL DETAIL SHEET
12	CONSTRUCTION DETAIL SHEET - 1
13	CONSTRUCTION DETAIL SHEET - 2
14	CONSTRUCTION DETAIL SHEET - 3
15	CONSTRUCTION DETAIL SHEET - 4

Town of Raleigh, NC
Subdivision Construction Plan Approval
November 1, 2017
by Danny Johnson
Planning Director



STONEWATER SUBDIVISION

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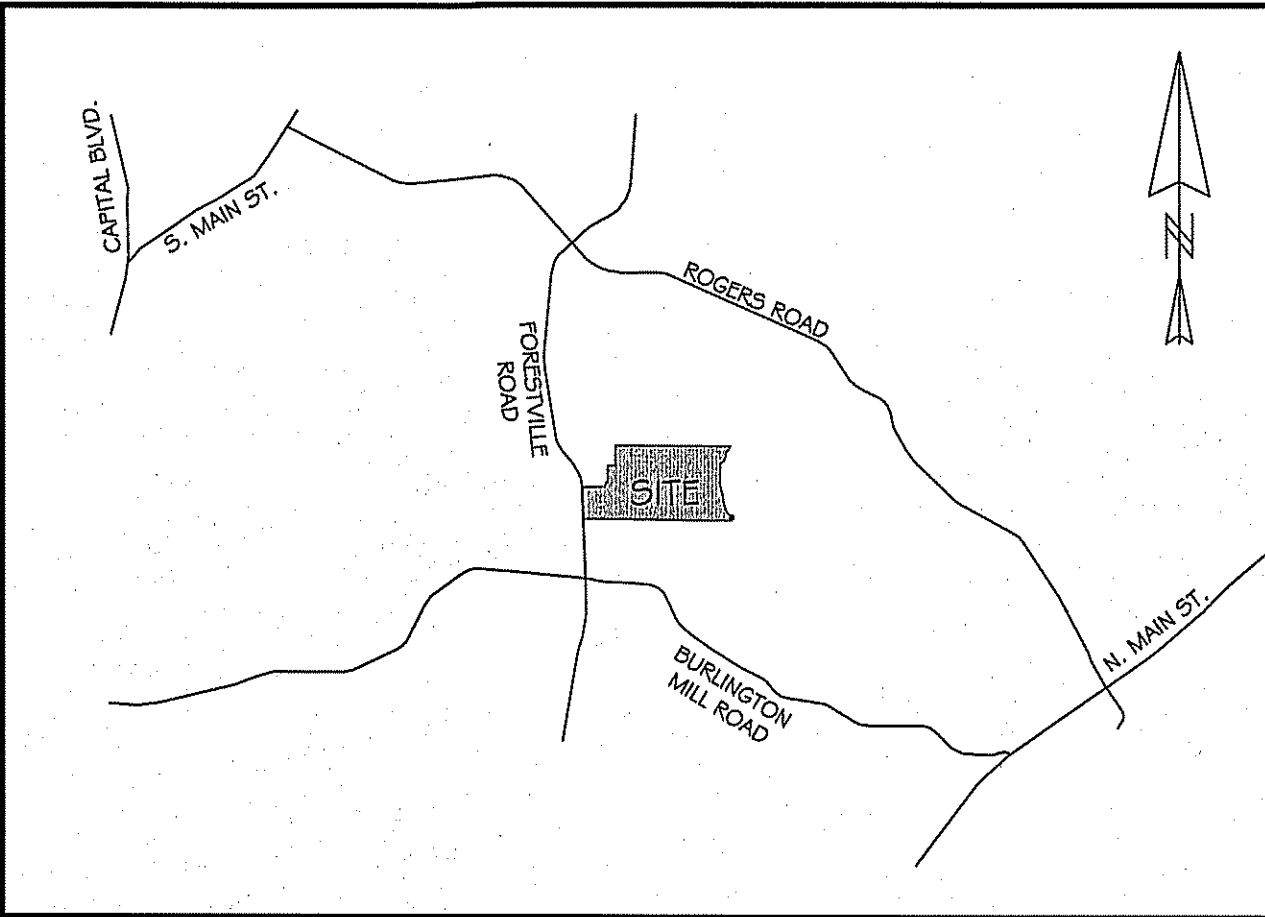
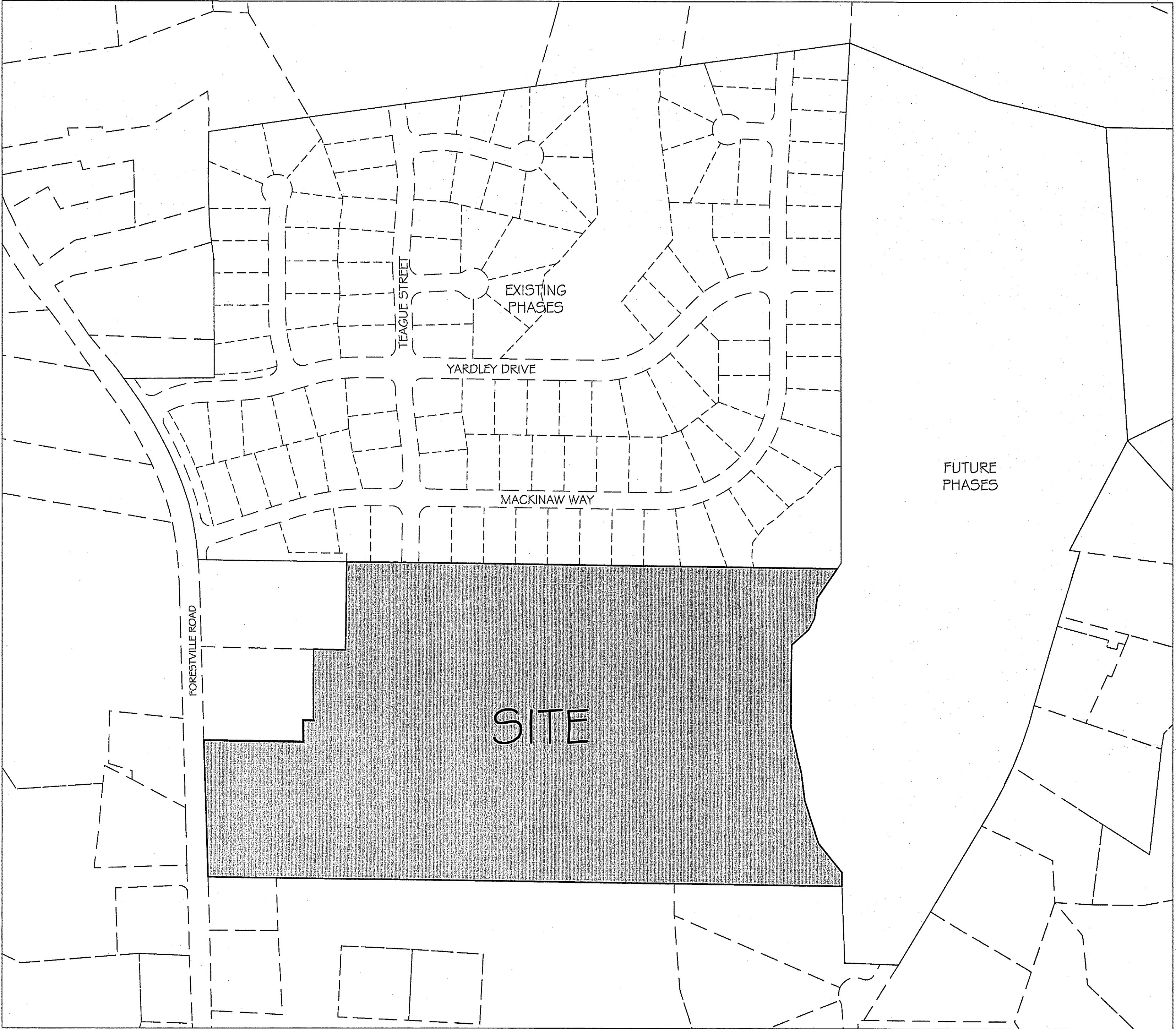
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VICINITY MAP
N.T.S.

CONSTRUCTION DRAWING SHEET INDEX

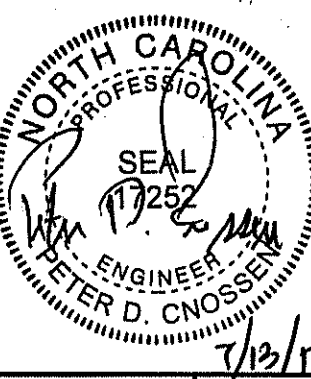
- | | |
|----|---|
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Jones & Crossen
ENGINEERING, PLLC



Civil Engineering | Construction Management | Land Planning

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www.jonescrossen.com



STONEWATER SUBDIVISION

PHASE 4 CONSTRUCTION DRAWINGS

COVER SHEET

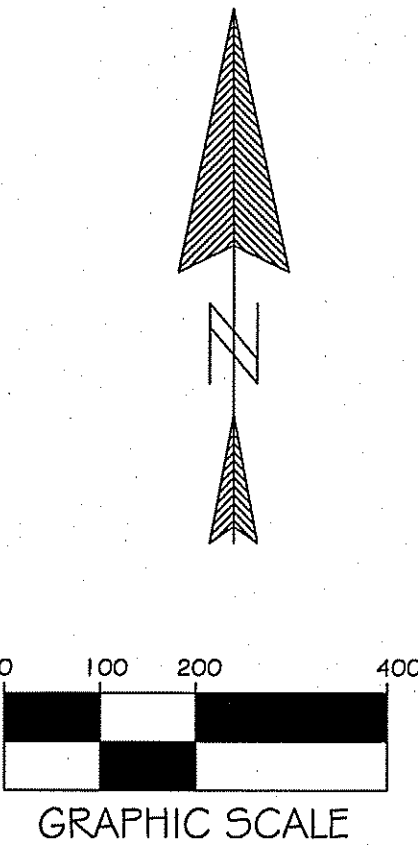
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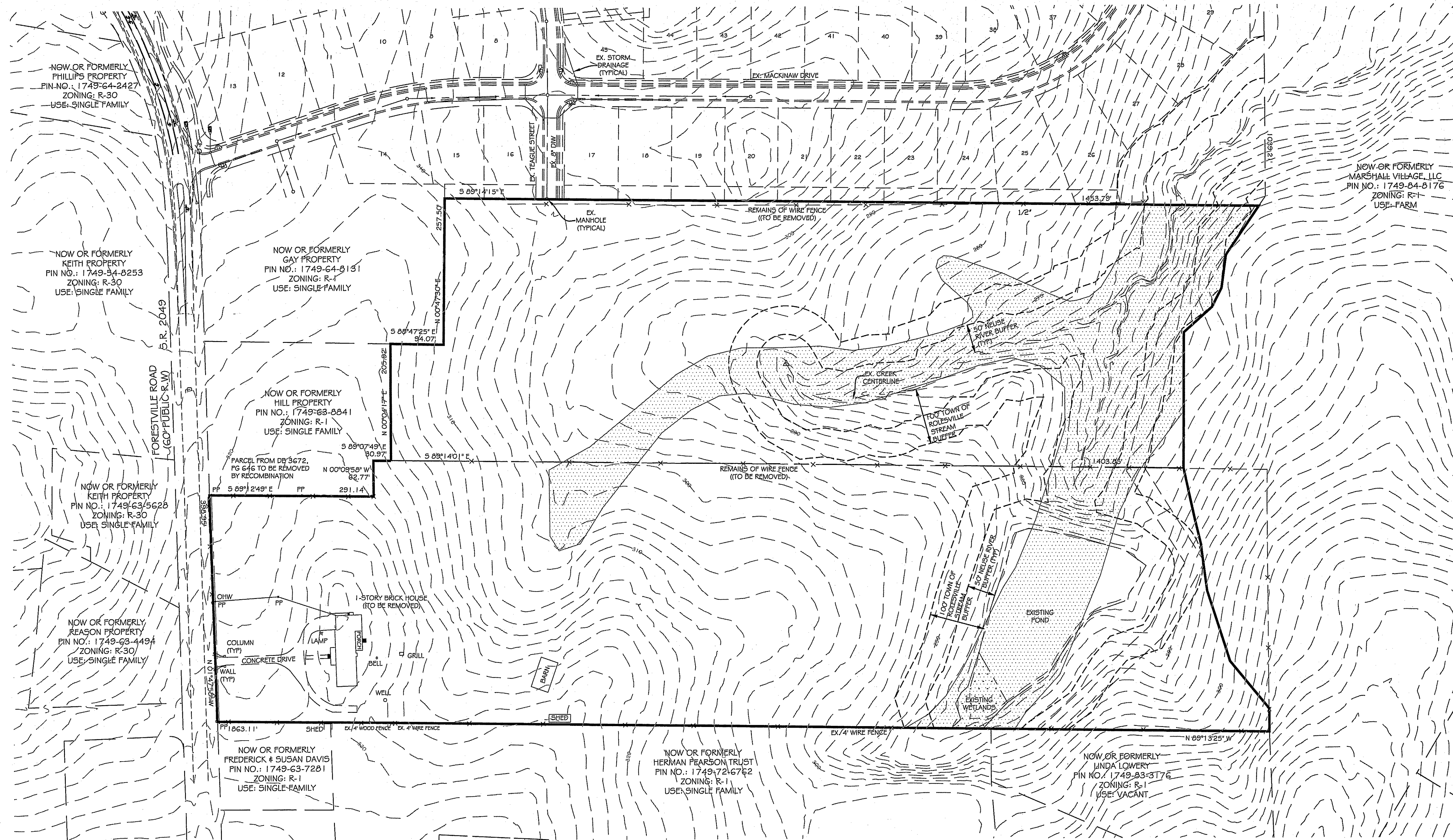
DATE: APRIL 27, 2017

REVISION: 07/13/17 1st CYCLE REVIEW

SHEET: 1

PROJECT: 1304

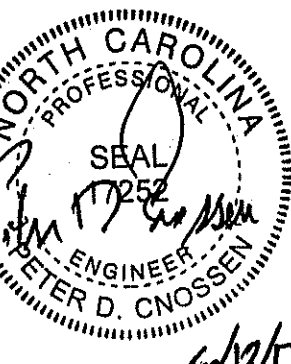
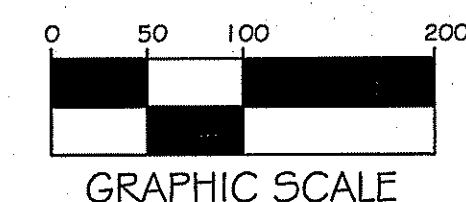




GENERAL NOTES:

1. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO TOWN OF ROLESVILLE STANDARDS AND SPECIFICATIONS.
2. BOUNDARY AND EXISTING CONDITIONS INFORMATION TAKEN FROM A DIGITAL FILE PROVIDED BY B.L. SCOTT LAND SURVEYORS.
3. TOPOGRAPHIC INFORMATION WAS TAKEN FROM WAKE COUNTY GIS DIGITAL FILES.
4. THE SITE HAS BEEN REVIEWED FOR WETLANDS AND NEUSE RIVER BUFFERS BY ENVIRONMENTAL SERVICES, INC. AND THE FEATURES ARE SHOWN HEREON.
5. THERE IS NO FEMA MAPPED REFERENCED FLOODPLAIN ON THIS SITE ACCORDING TO FEMA PANEL 3720174900J DATED MAY 2, 2006.
6. THE EXISTING ON-SITE STRUCTURES SHALL REMOVED. ALL APPROPRIATE DEMOLITION PERMITS AND PROCESSES SHALL BE FOLLOWED IN THE RAZING OF THE STRUCTURES.
7. ANY EXISTING WELLS AND SEPTIC TANKS SHALL BE REMOVED AND/OR ABANDONED ACCORDING TO WAKE COUNTY HEALTH DEPARTMENT STANDARDS.

WAKE COUNTY FLOOD PRONE SOILS (MANTACHIE)

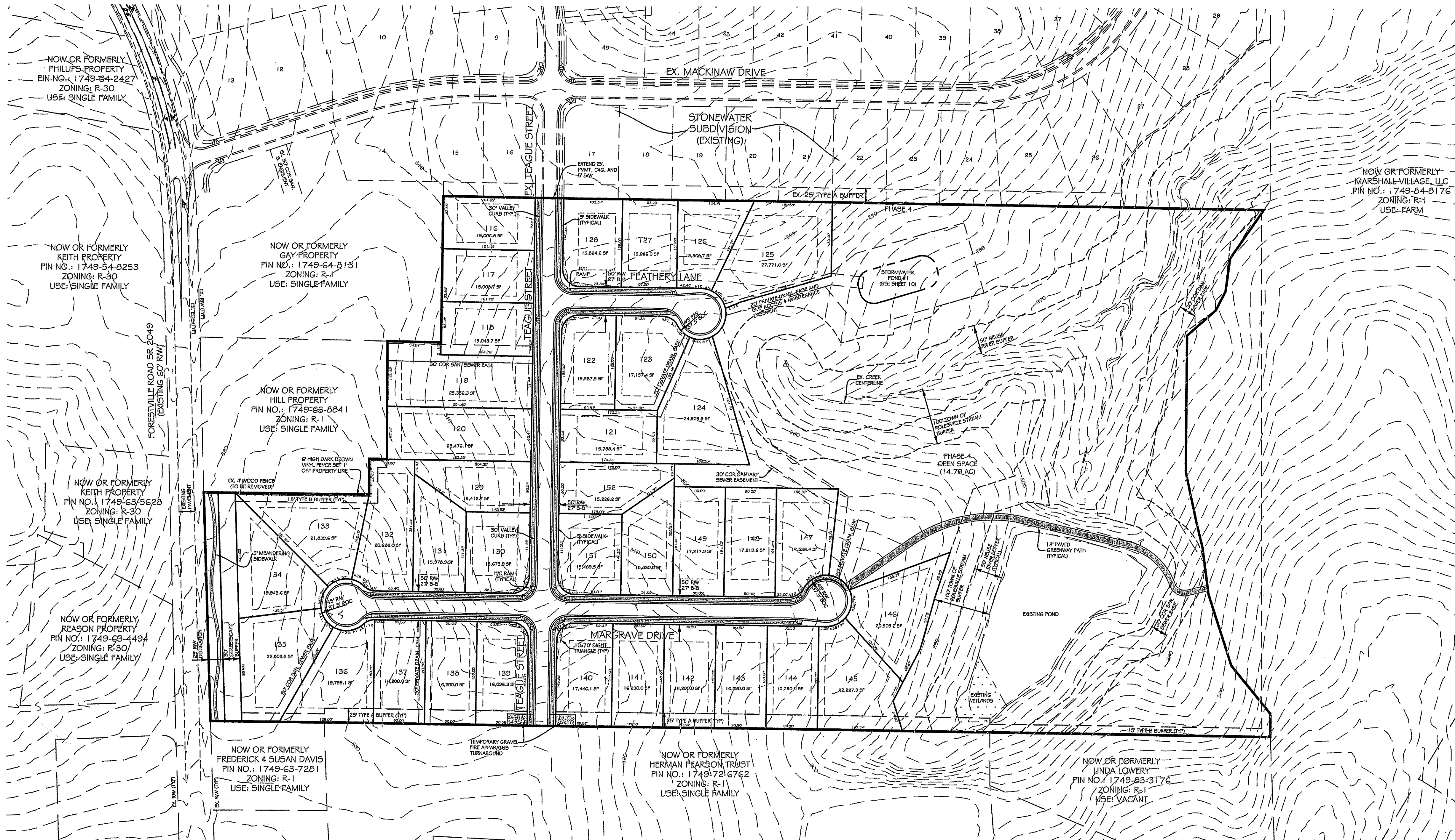


STONEWATER SUBDIVISION

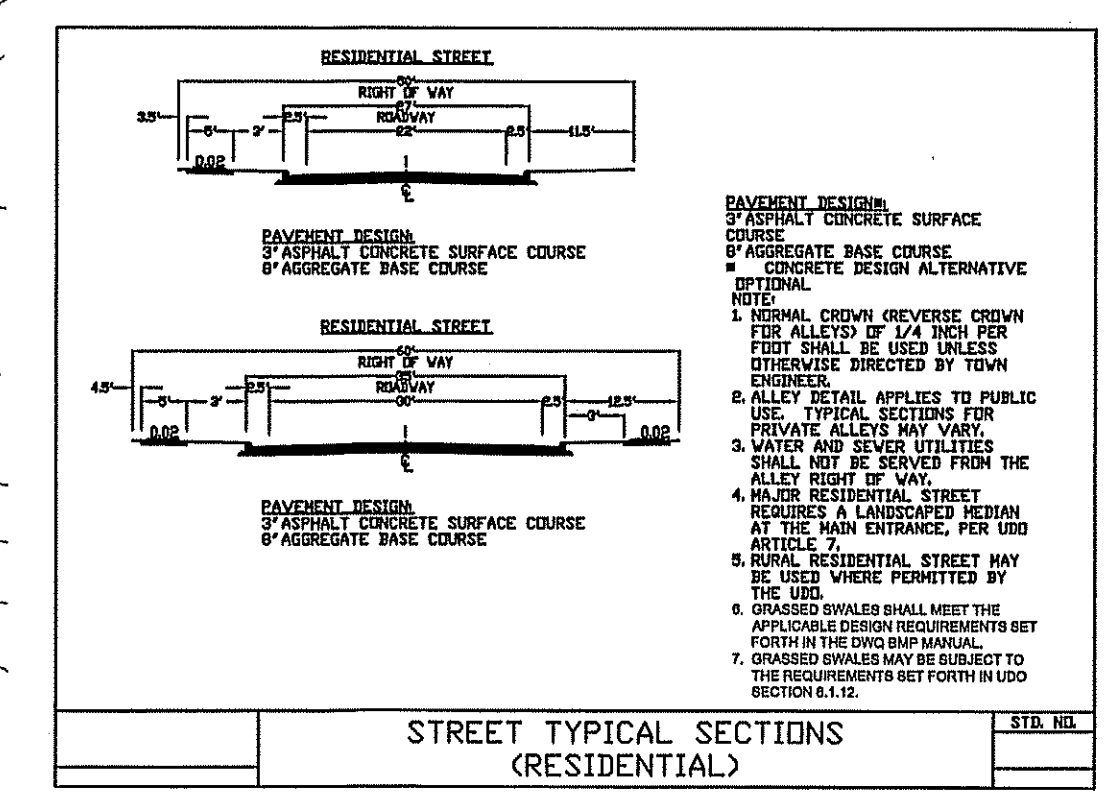
PHASE 4 CONSTRUCTION DRAWINGS

EXISTING CONDITIONS PLAN

" = 100'		DRAWN PDC	
APRIL 27, 2017			
ION 2/17	WC COMMENTS		
2			
1304			

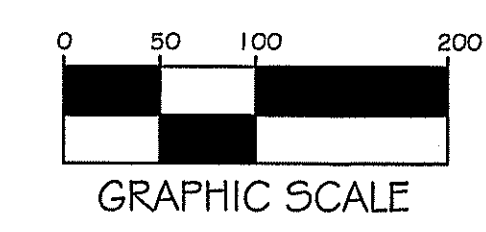
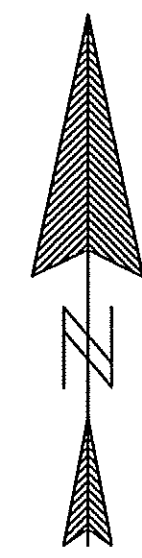


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 3. TOPOGRAPHIC INFORMATION WAS TAKEN FROM WAKE COUNTY GIS DIGITAL FILES.
 4. WETLAND AND NEUSE RIVER BUFFER DELINEATIONS WERE DETERMINED BY ENVIRONMENTAL SERVICES, INC. AND THE FEATURES ARE SHOWN HEREON.
 5. THE RIGHT-OF-WAY SHALL BE CLEARED AND GRUBBED WITHIN 50' OF ANY INTERSECTION.
 6. WITHIN THE AREA OF DEFINED SIGHT TRIANGLE, THERE SHALL BE NO SIGHT OBSTRUCTING OR PARTLY OBSTRUCTING WALL, FENCE, SIGN, FOLIAGE, BERMING, OR PARKED VEHICLES BETWEEN THE HEIGHTS OF TWENTY-FOUR (24) INCHES AND EIGHT (8) FEET ABOVE THE CURB LINE ELEVATION OR THE NEAREST TRAVELED WAY IF NO CURBING EXISTS.
 7. THE AREAS SHOWN ON THE RECORDED PLAT IDENTIFIED AS NEUSE RIVER RIPARIAN BUFFER SHALL BE MAINTAINED IN PERPETUITY IN THEIR NATURAL OR MITIGATED CONDITION. NO PERSON OR ENTITY SHALL FILL, GRADE, EXCAVATE, OR PERFORM ANY OTHER LAND-DISTURBING ACTIVITIES; NOR CUT, REMOVE, OR HARM ANY VEGETATION; NOR CONSTRUCT ANY STRUCTURES NOR ADD ANY ADDITIONAL IMPERVIOUS SURFACE, NOR ALLOW ANIMAL GRAZING OR WATERING OR ANY OTHER AGRICULTURAL USE ON SUCH PROTECTED AREAS WITHOUT WRITTEN AUTHORIZATION OF THE DIVISION OF WATER QUALITY (DWQ) OR COMPLIANCE WITH THE RIPARIAN BUFFER PROTECTION RULES (15A NCAC 2B .0233 OR .0259). THIS COVENANT IS TO RUN WITH THE LAND, AND SHALL BE BINDING ON THE OWNER, AND ALL PARTIES CLAIMING UNDER IT.
 8. THE FEMA MAP REFERENCE FOR THIS SITE IS PANEL 3720174900J DATED MAY 2, 2006.
 9. ALL OPEN SPACE AREAS SHALL BE DEDICATED TO THE HOMEOWNERS ASSOCIATION.



MINIMUM BUILDING SETBACKS

FRONT - 30 FEET
SIDE - 12 FEET
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STONEWATER SUBDIVISION
PHASE 4 CONSTRUCTION DRAWINGS
LOT LAYOUT PLAN

TOWN OF ROLESVILLE
WAKE COUNTY, NORTH CAROLINA

SCALE: 1" = 100'
DATE: APRIL 27, 2017
REVISION: 07/13/17 1st CYCLE REVIEW
10/06/17 STREET NAMES

SHEET: 3
PROJECT: 1304

STORMWATER INFORMATION												
INLET #	INLET DIA	TOTAL DA	INLET DIA	C	Q (cfs)	PIPE SIZE	PIPE SLOPE	TCP	INLET IN	INLET OUT	OUTLET SLOPE	
01	3.0	3.0	7.0	0.20	5.3	18"	3.0%	321.42	317.2	317.0	6.3	
02	0.6	4.6	7.0	0.26	6.4	18"	5.4%	315.33	310.7	310.7	6.1	
03	0.4	0.4	7.0	0.35	1.5	18"	0.2%	315.33	310.7	310.7	6.1	
04	0.7	1.1	7.0	0.35	4.2	18"	3.0%	315.33	310.7	310.7	6.1	
05	0.5	6.2	7.0	0.38	14.3	18"	1.8%	312.23	307.7	307.2	6.9	
06	0.6	6.6	7.0	0.38	16.7	18"	3.2%	312.19	307.7	307.2	6.9	
07	0.2	7.0	7.0	0.36	17.6	18"	5.2%	310.0	308.6	308.6	3.9	
08	0.6	0.6	7.0	0.35	2.3	18"	0.5%	310.0	308.6	308.6	7.0	
09	0.7	0.3	7.0	0.39	23.2	24"	2.3%	308.05	299.0	299.0	7.4	
10	0.9	3.2	7.0	0.41	26.4	24"	2.1%	307.97	296.0	296.6	8.0	
11	0.9	10.1	7.0	0.42	29.7	24"	1.7%	299.09	293.9	293.7	9.0	
12	0.7	0.7	7.0	0.35	2.7	18"	1.8%	299.35	293.9	293.9	7.7	
13	0.6	1.5	7.0	0.35	5.6	18"	2.5%	299.34	294.2	294.0	13.9	
14	0.6	2.3	7.0	0.35	8.9	18"	0.2%	299.29	293.9	293.7	13.9	
15	0.1	2.4	7.0	0.35	9.2	18"	0.5%	299.29	293.5	293.3	3.3	
16	0.1	12.6	7.0	0.45	39.7	30"	0.5%	299.09	292.0	292.6	3.6	
17	1.2	13.0	7.0	0.45	43.5	30"	1.0%	299.3	291.0	290.6		
18	0.2	14.0	7.0	0.45	44.1	30"	1.1%	299.30	293.3	293.4	5.5	
19	0.6	0.6	7.0	0.35	2.3	18"	1.8%	297.63	292.4	292.2	7.7	
20	0.6	1.2	7.0	0.35	4.6	18"	0.2%	296.46	292.4	292.2	7.7	
21	0.4	15.6	7.0	0.45	31.2	30"	0.5%	295.6	290.6	290.6	5.5	
22	0.1	15.7	7.0	0.45	31.6	30"	0.5%	295.6	290.6	290.6		
23	0.4	0.4	7.0	0.35	1.5	18"	2.5%	312.0	309.0	309.0	7.3	
24	0.6	1.0	7.0	0.35	3.9	18"	0.8%	312.0	309.0	309.0	7.3	
25	0.6	1.0	7.0	0.35	3.9	18"	0.8%	312.0	309.0	309.0	7.3	

DISSIPATOR PAD SIZES

36" FES FROM Y#102
15' FES FROM CB#105

18"X9"X24" D CLASS 2 RIP-RAP
10"X4"X12" D CLASS B RIP-RAP

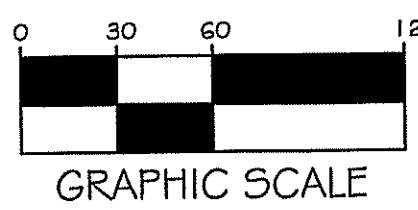
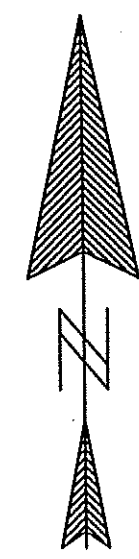
NOW OR FORMERLY
HILL PROPERTY
PIN NO.: 1749-63-8841
ZONING: R-1
USE: SINGLE FAMILY

NOW OR FORMERLY
FREDERICK & SUSAN DAVIS
PIN NO.: 1749-63-7281
ZONING: R-1
USE: SINGLE FAMILY

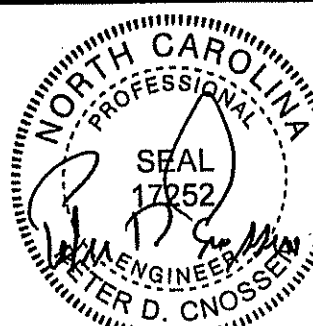
NOW OR FORMERLY
HERMAN PEARSON TRUST
PIN NO.: 1749-72-6762
ZONING: R-1
USE: SINGLE FAMILY

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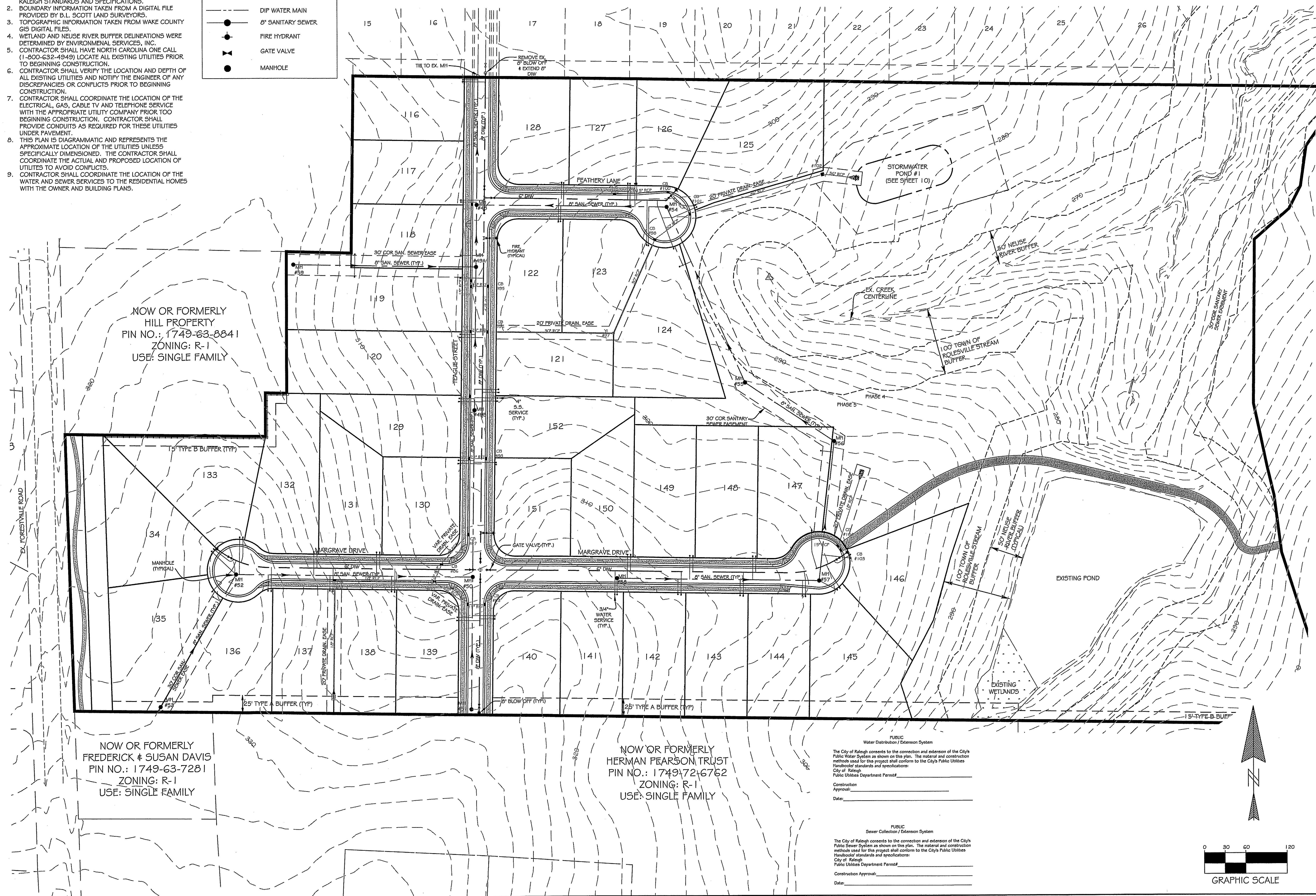
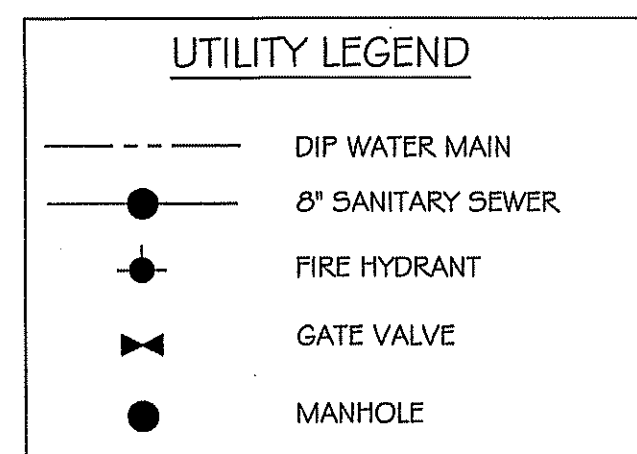
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TOWN OF ROLESVILLE
WAKE COUNTY, NORTH CAROLINA
GRADING & STORM DRAINAGE PLAN

SCALE	1" = 60'	DRAWN	PDC
DATE	APRIL 27, 2017		
REVISION	06/12/17	ROLESVILLE COMMENTS	
	07/13/17	1st CYCLE REVIEW	
	10/06/17	STREET NAMES	
SHEET	4		
PROJECT	1304		

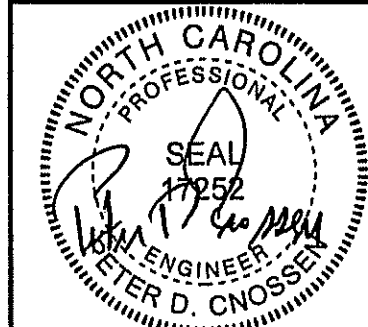
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3. TOPOGRAPHIC INFORMATION TAKEN FROM WAKE COUNTY GIS DIGITAL FILES.
4. WETLAND AND NEUSE RIVER BUFFER DELINEATIONS WERE DETERMINED BY ENVIRONMENTAL SERVICES, INC.
5. CONTRACTOR SHALL HAVE NORTH CAROLINA ONE CALL (1-800-632-4949) LOCATE ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
6. CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO BEGINNING CONSTRUCTION.
7. CONTRACTOR SHALL COORDINATE THE LOCATION OF THE ELECTRICAL, GAS, CABLE TV AND TELEPHONE SERVICE WITH THE APPROPRIATE UTILITY COMPANY PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL PROVIDE CONDUITS AS REQUIRED FOR THESE UTILITIES UNDER PAVEMENT.
8. THIS PLAN IS DIAGRAMMATIC AND REPRESENTS THE APPROXIMATE LOCATION OF THE UTILITIES UNLESS SPECIFICALLY DIMENSIONED. THE CONTRACTOR SHALL COORDINATE THE ACTUAL AND PROPOSED LOCATION OF UTILITIES TO AVOID CONFLICT.
9. CONTRACTOR SHALL LOCATE THE LOCATION OF THE WATER AND SEWER SERVICES TO THE RESIDENTIAL HOMES WITH THE OWNER AND BUILDING PLANS.



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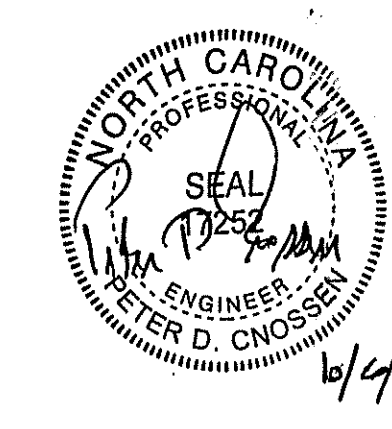
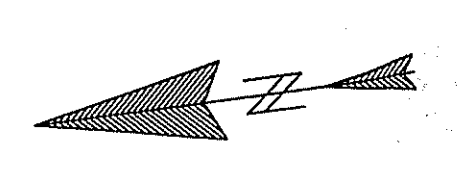


STONEWATER SUBDIVISION

PHASE 4 CONSTRUCTION DRAWINGS

UTILITY PLAN

SCALE 1"=60'	DRAWN PDC
DATE APRIL 28, 2017	
REVISION 07/13/17	1st CYCLE REVIEW
10/06/17	STREET NAMES
SHEET 6	
PROJECT 1304	



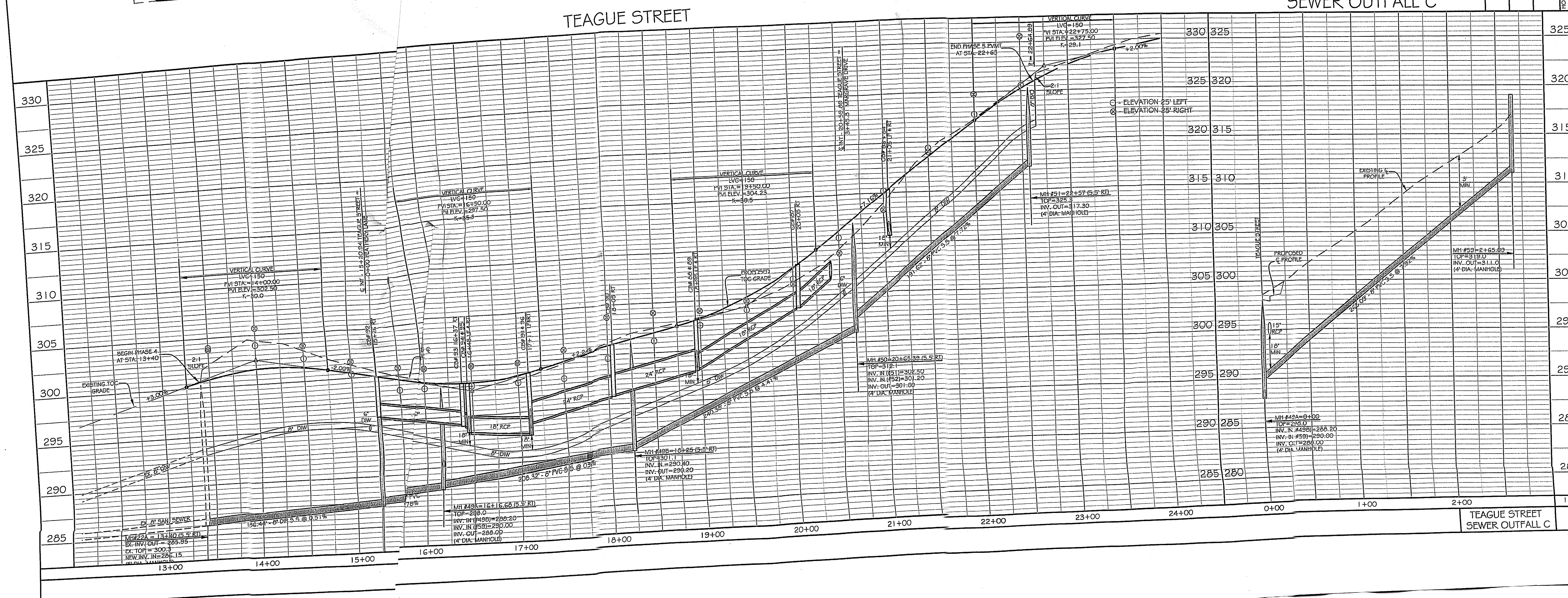
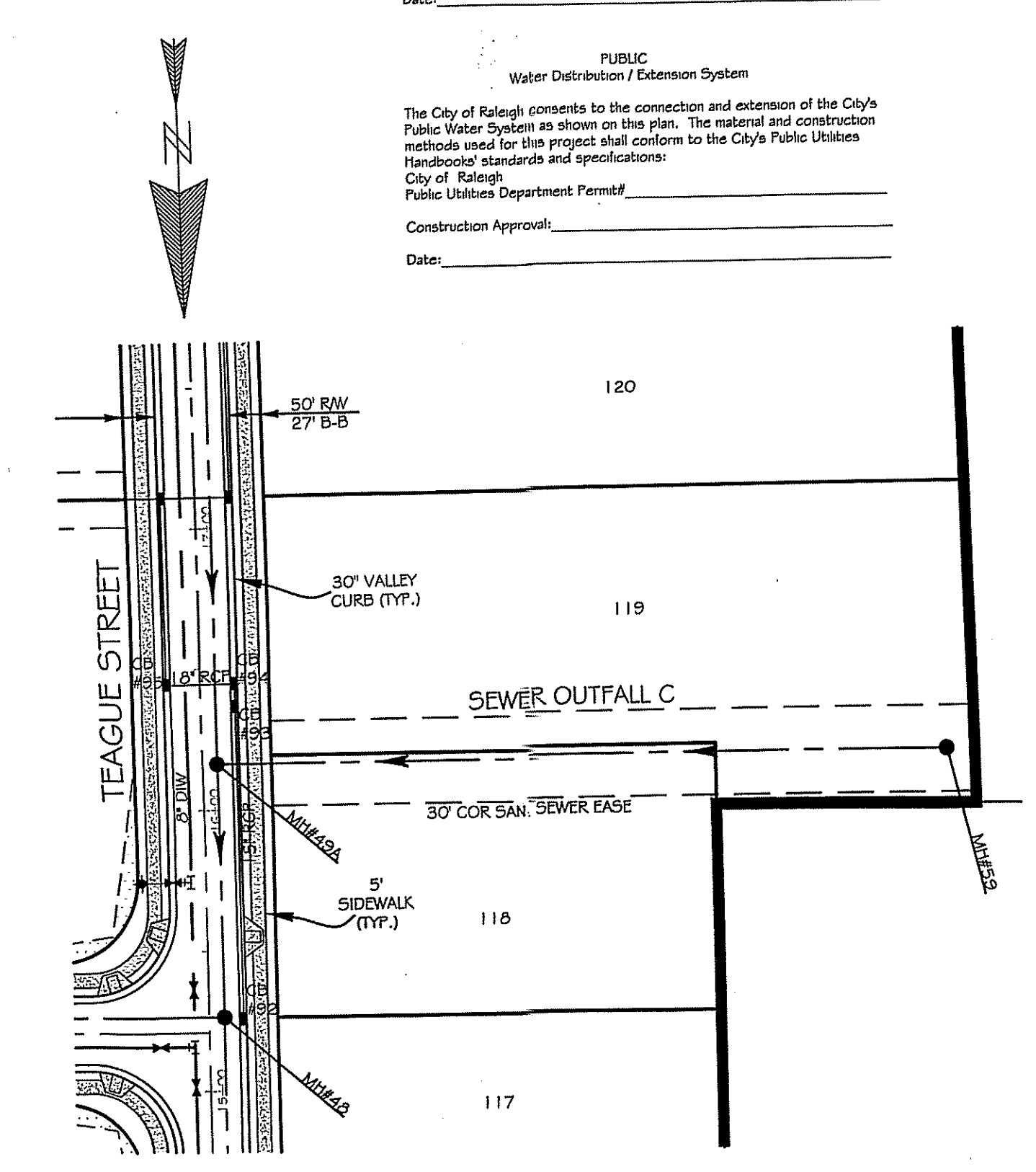
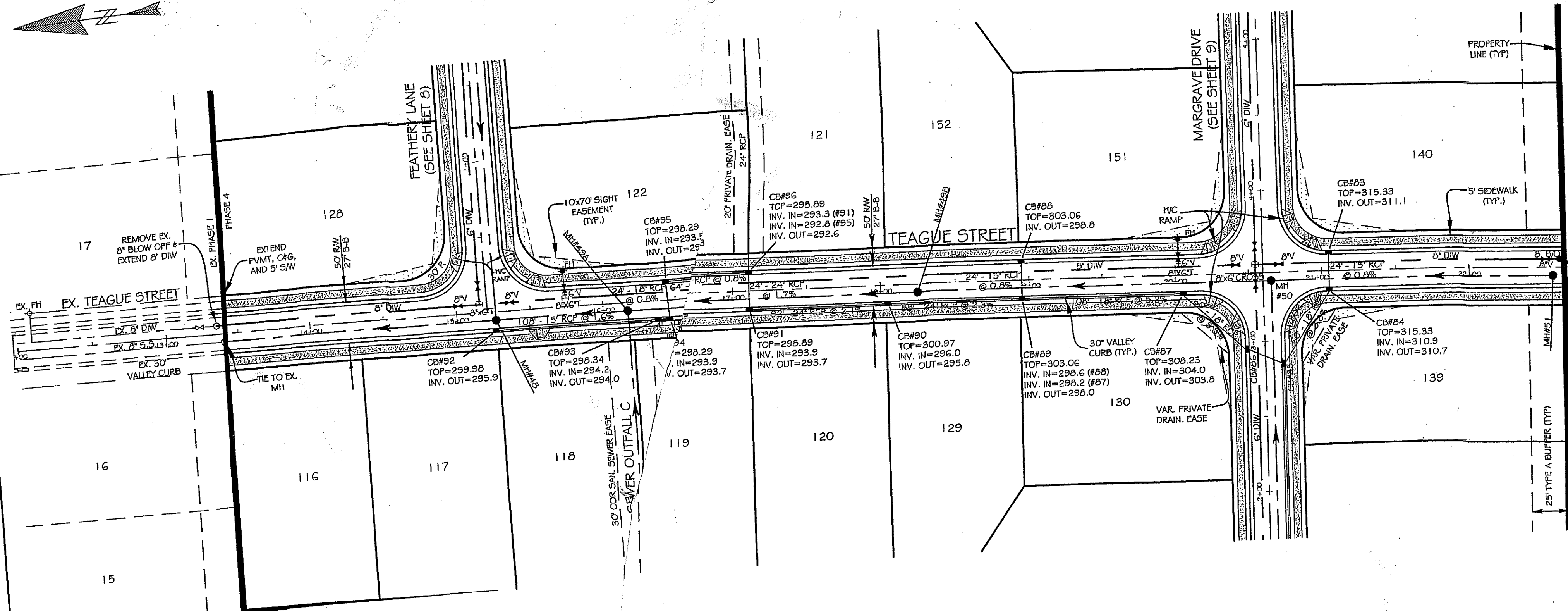
- NOTES
1. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO TOWN OF ROLESVILLE STANDARDS AND SPECIFICATIONS.
 2. ALL WATER AND SEWER UTILITY CONSTRUCTION SHALL CONFORM TO CITY OF RALEIGH STANDARDS AND SPECIFICATIONS.

PUBLIC
Sewer Collection / Extension System

The City of Raleigh consents to the connection and extension of the City's Public Sewer System as shown on this plan. The material and construction methods used for this project shall conform to the City's Public Utilities Handbook's standards and specifications:
City of Raleigh
Public Utilities Department Permit# _____
Construction Approval: _____
Date: _____

PUBLIC
Water Distribution / Extension System

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Jones & Crossen
ENGINEERING, PLLC

Civil Engineering | Construction Management | Land Planning
PO BOX 1062
APEX, NC 27502

Registration: P-0151

Office: 919-387-1174

STONESTREET SUBDIVISION

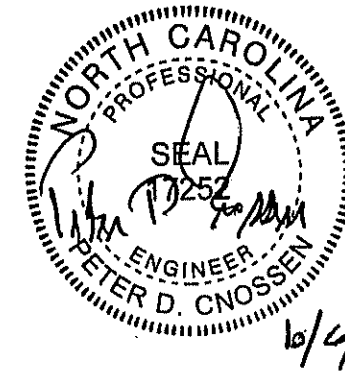
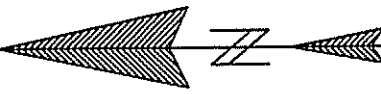
TEAGUE ST. (13+40 - END) # OUTFALL C

1st CYCLE REVIEW
TO/06/17
STREET NAMES

APRIL 27, 2017

VERTICAL
1"=5'

HORIZONTAL
1"=50'



- NOTES
1. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO TOWN OF ROLESVILLE STANDARDS AND SPECIFICATIONS.
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City of Raleigh
Public Utilities Department Permit# _____

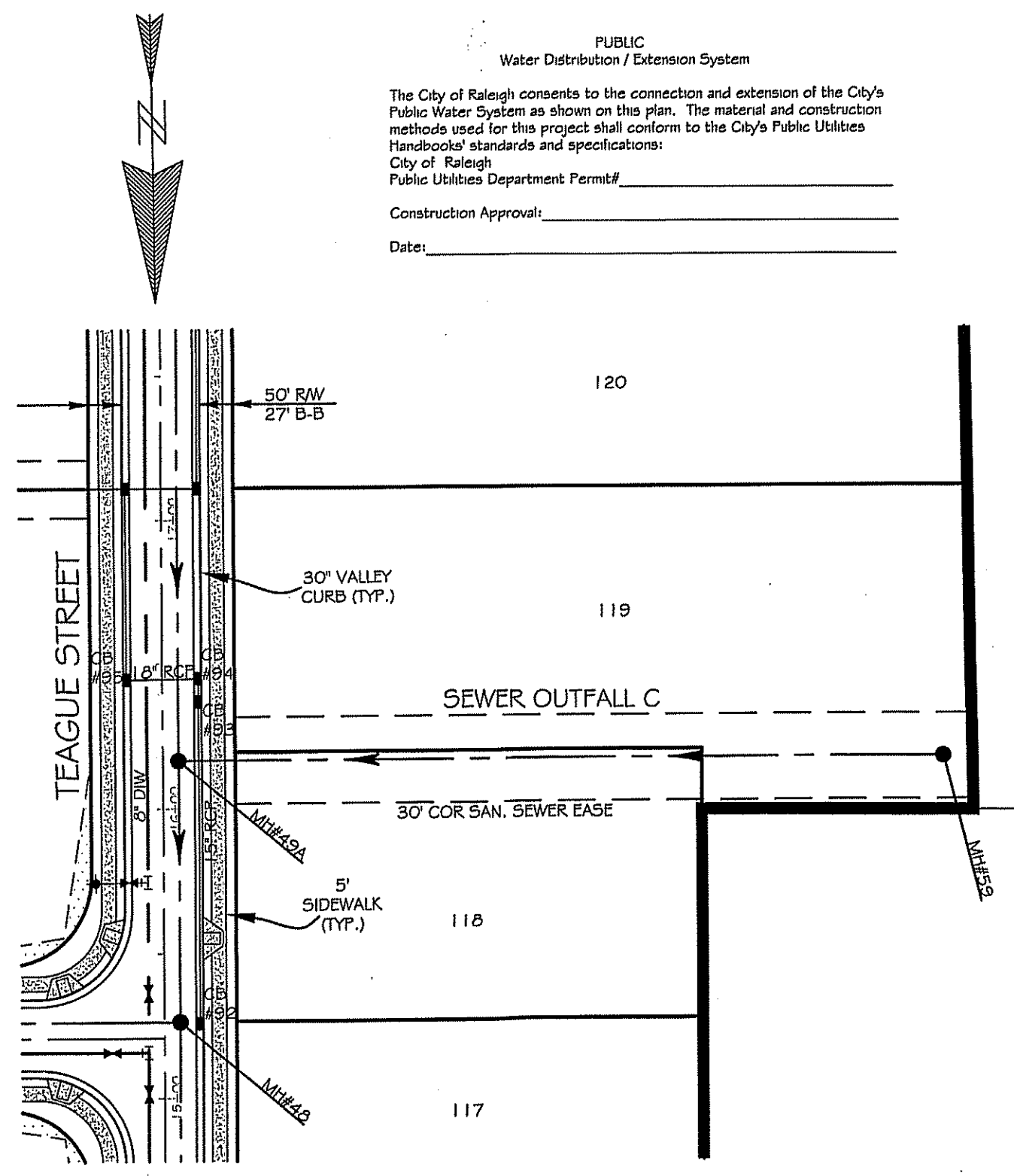
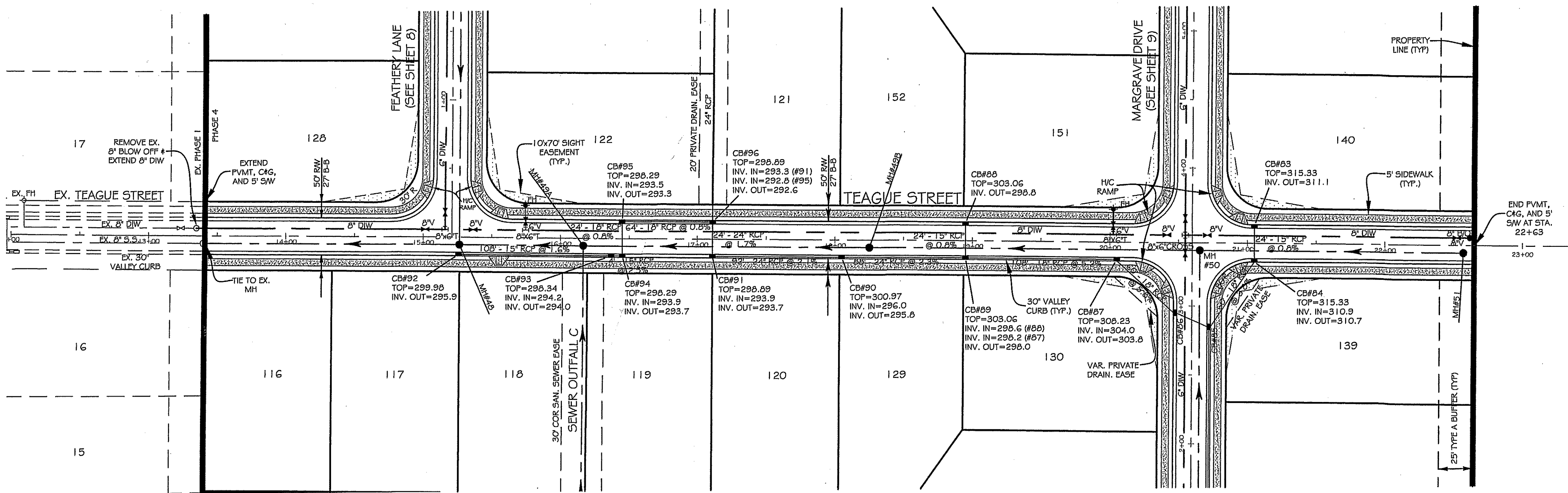
Construction Approval: _____
Date: _____

PUBLIC
Water Distribution / Extension System

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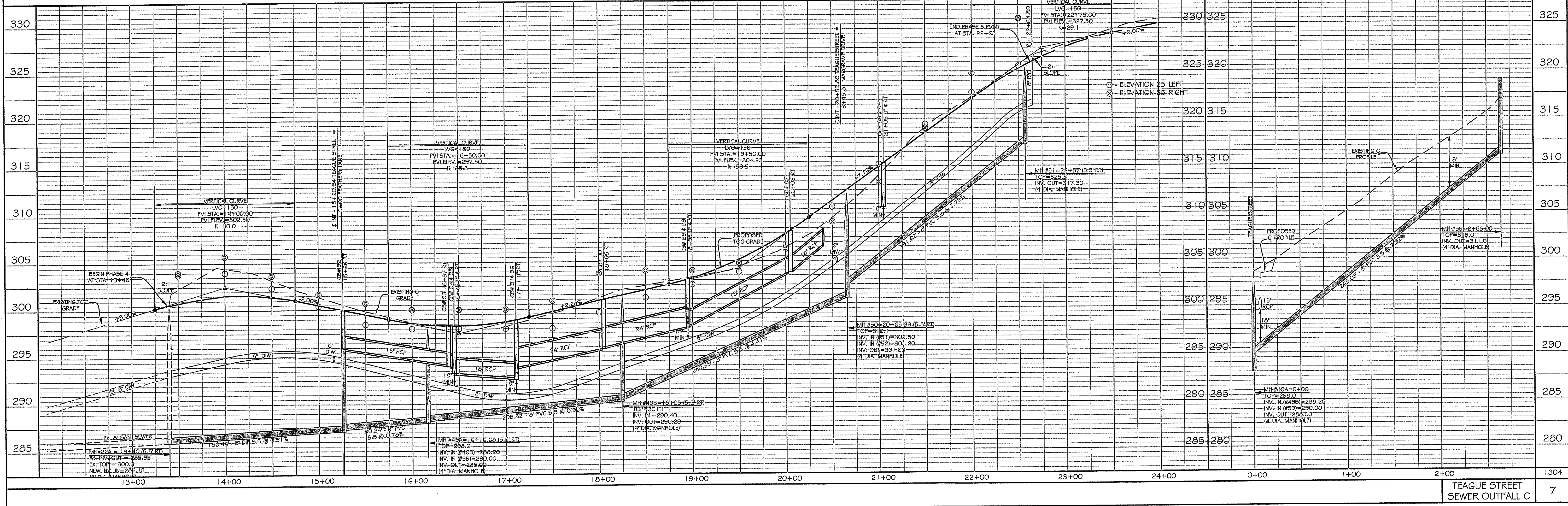
City of Raleigh
Public Utilities Department Permit# _____

Construction Approval: _____
Date: _____



TEAGUE STREET

SEWER OUTFALL C



TEAGUE STREET
SEWER OUTFALL C

7

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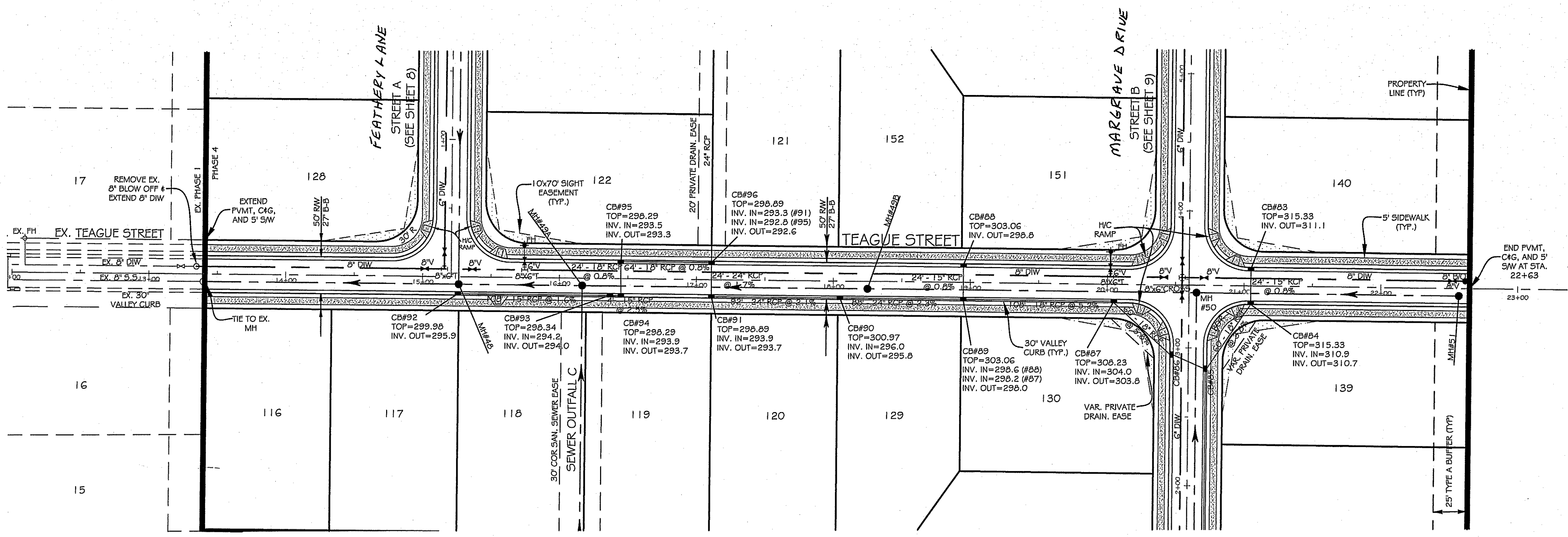
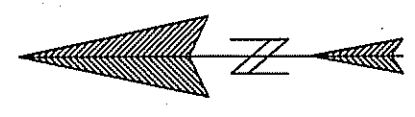
STONEWATER SUBDIVISION

TEAGUE ST. (13+40 - END) & OUTFALL C

07/13/17 1st CYCLE REVIEW
10/06/17 STREET NAMES

APRIL 27, 2017

VERTICAL 1"=5'



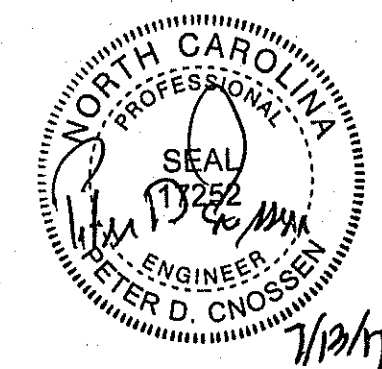
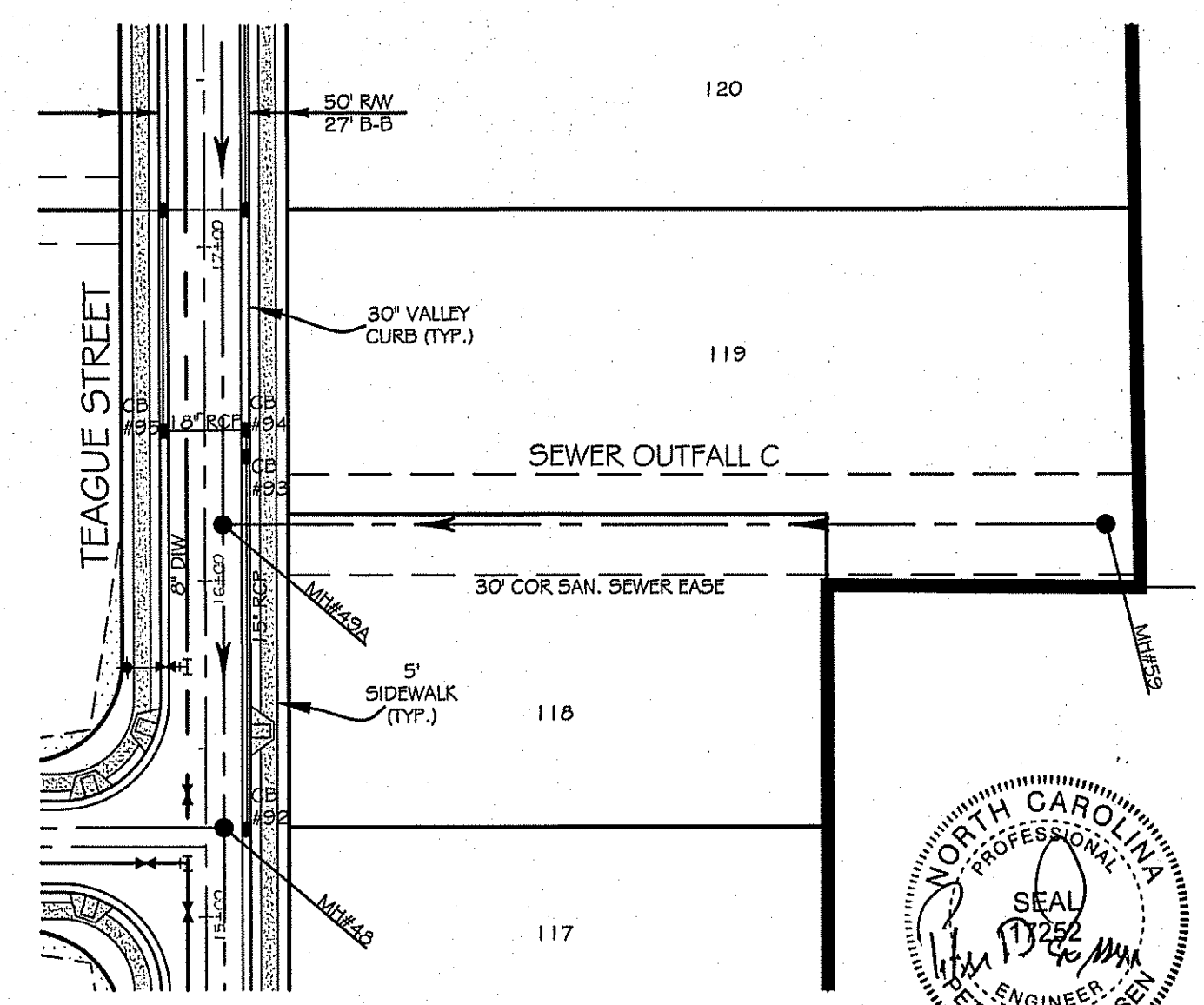
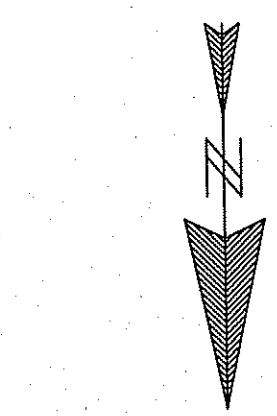
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City of Raleigh
Public Utilities Department Permit # S-4933
Construction Approval: *Benjamin Palle*
Date: 8/9/17

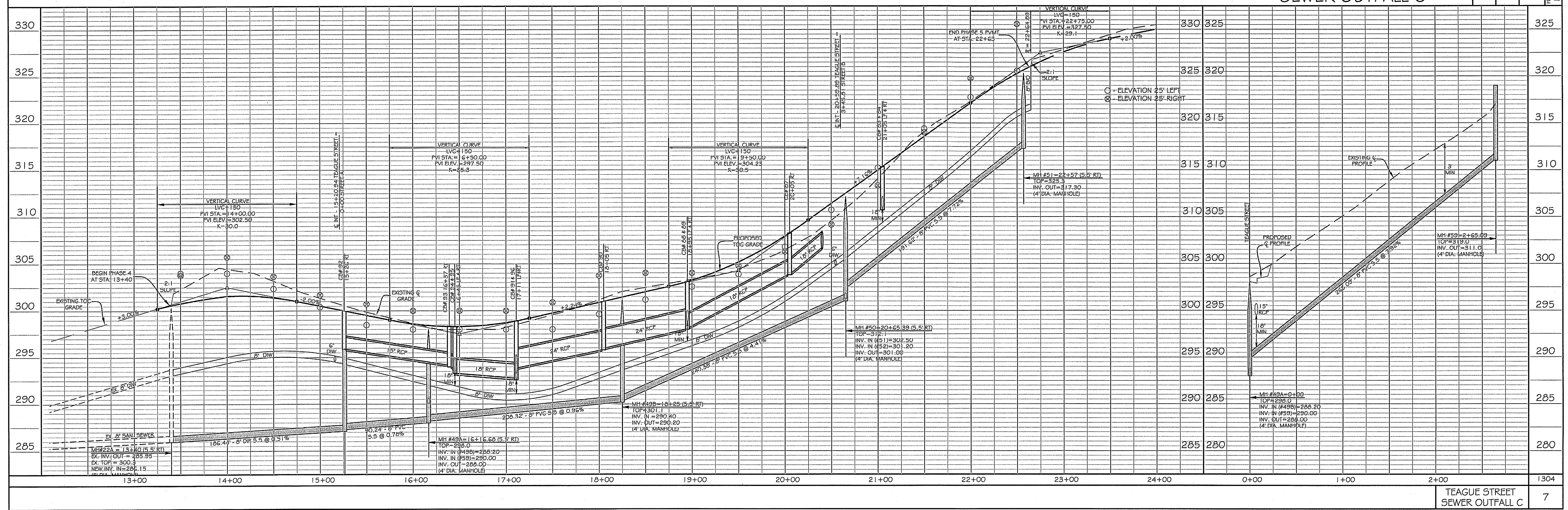
PUBLIC
Water Distribution / Extension System

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City of Raleigh
Public Utilities Department Permit # W-2493
Construction Approval: *Benjamin Palle*
Date: 8/9/17



TEAGUE STREET

SEWER OUTFALL C

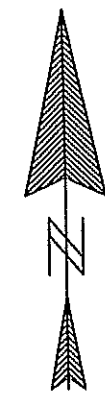


STONEWATER SUBDIVISION

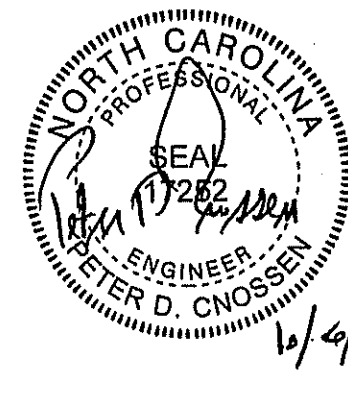
TEAGUE ST. (13+40 - END) & OUTFALL C

07/13/17 1st CYCLE REVIEW
APRIL 27, 2017
VERTICAL 1"=5'
HORIZONTAL 1"=50'

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Civil Engineering | Construction Management | Land Planning
PO BOX 1042
APEX, NC 27502
Office: 919-387-1174
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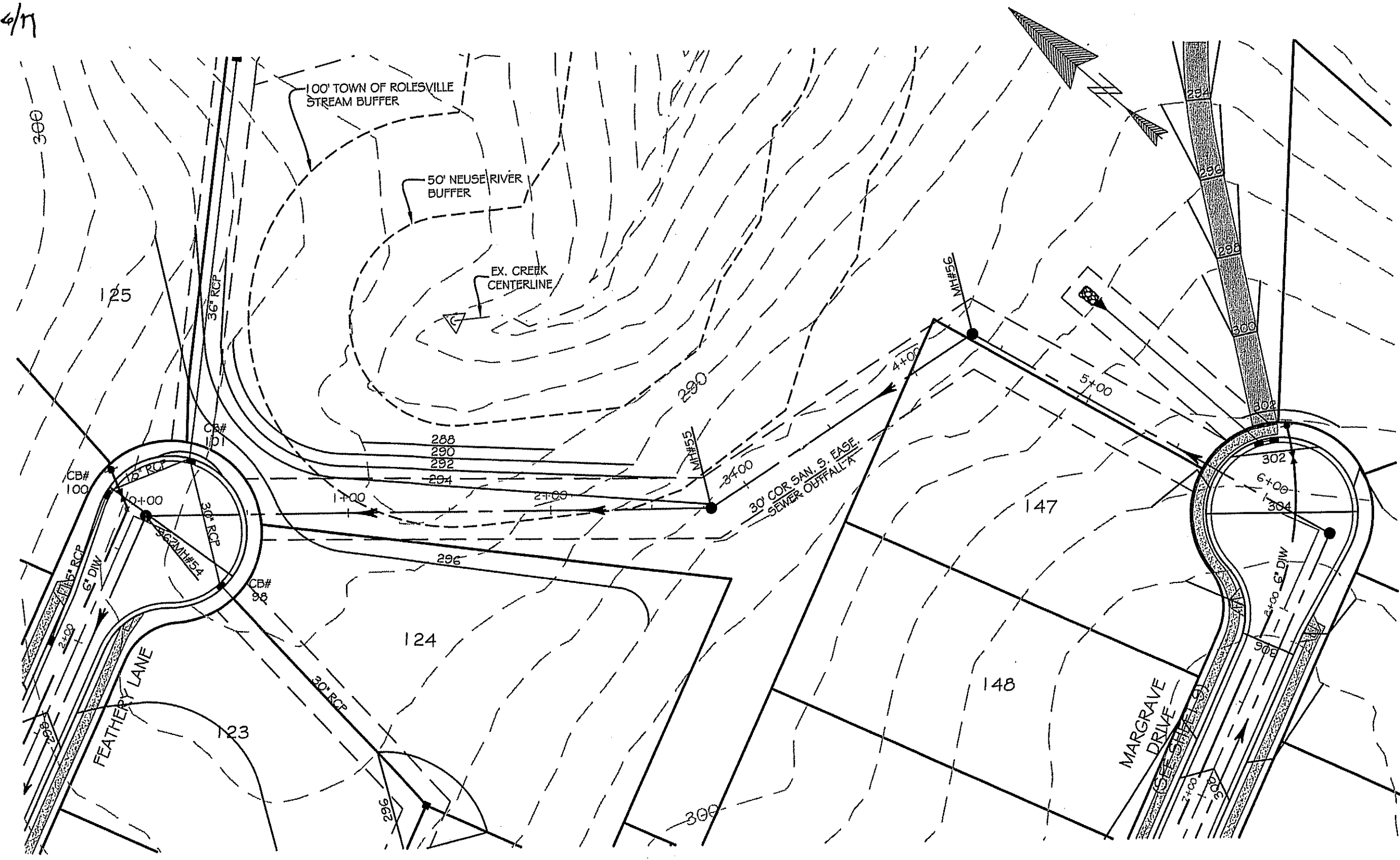
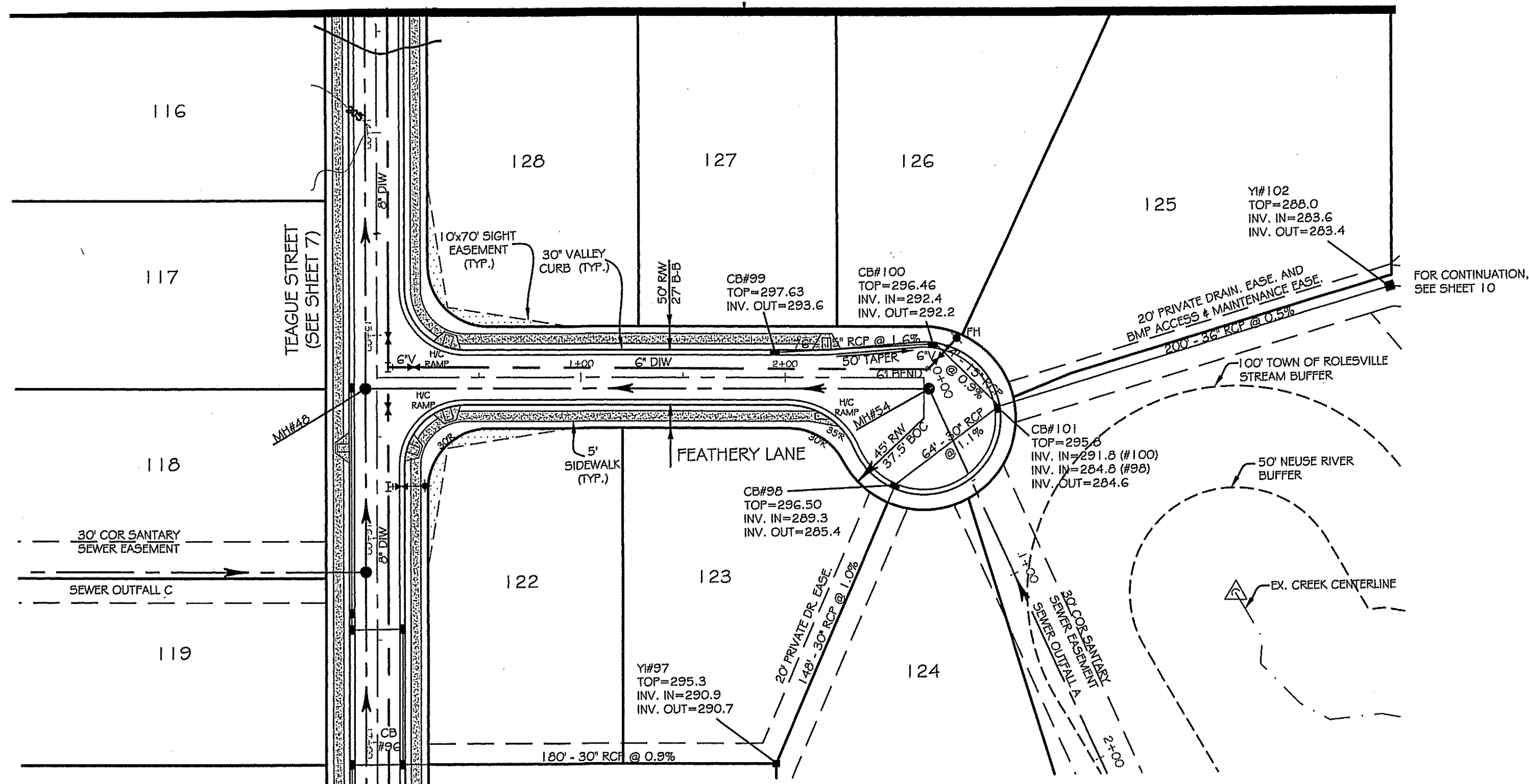
CUL-DE-SAC GRADES	
0°	296.53
30°	296.23
60°	296.0
90°	295.9
120°	296.0
150°	296.1
180°	296.27
210°	296.57
240°	296.87
PT	297.54



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City of Raleigh
Public Utilities Department Permit#
Construction Approval: _____
Date: _____

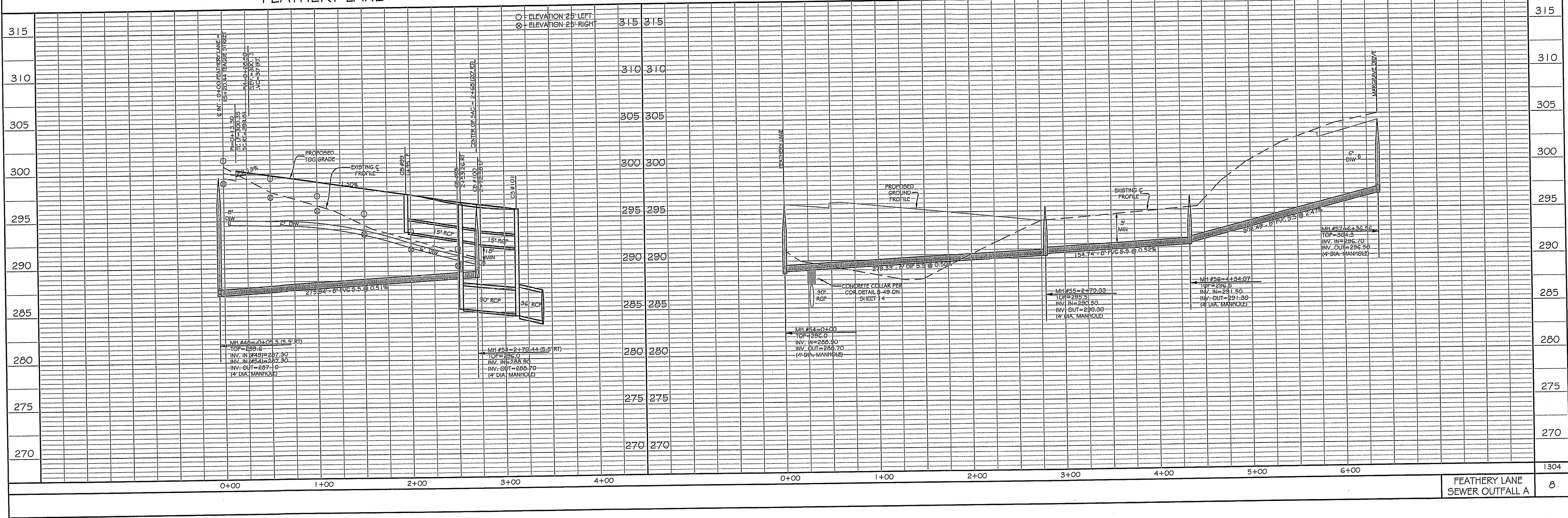
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City of Raleigh
Public Utilities Department Permit#
Construction Approval: _____
Date: _____

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FEATHERY LANE

SEWER OUTFALL A

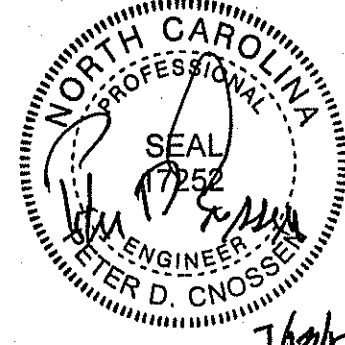


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STONEWATER SUBDIVISION	
FEATHERY LANE & SEWER OUTFALL A	
10/06/17	STREET NAMES
APRIL 27, 2017	VERTICAL
1"=50'	1"=5'



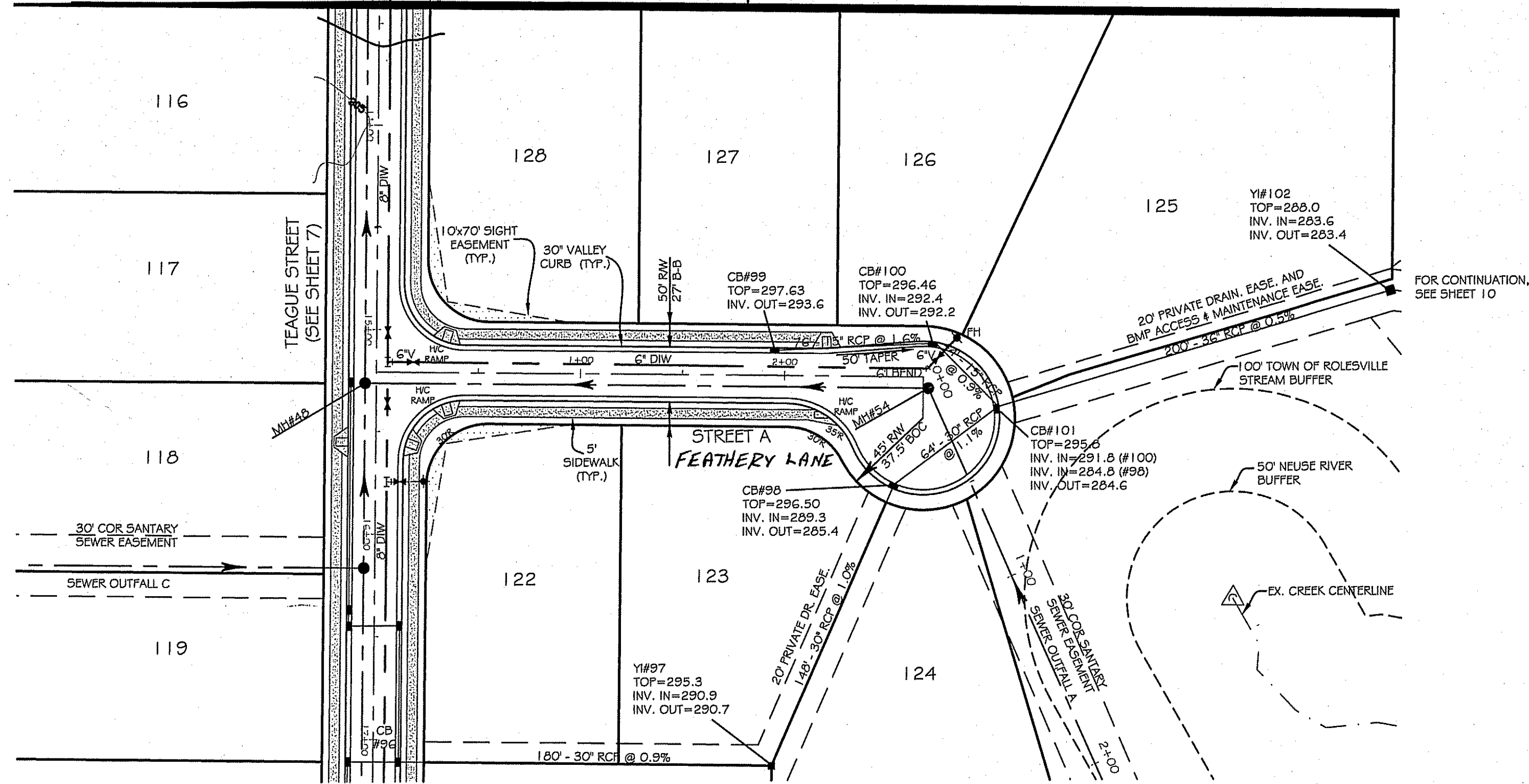
CUL-DE-SAC GRADES	
0°	296.53
30°	296.23
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240°	296.87
FT	297.54



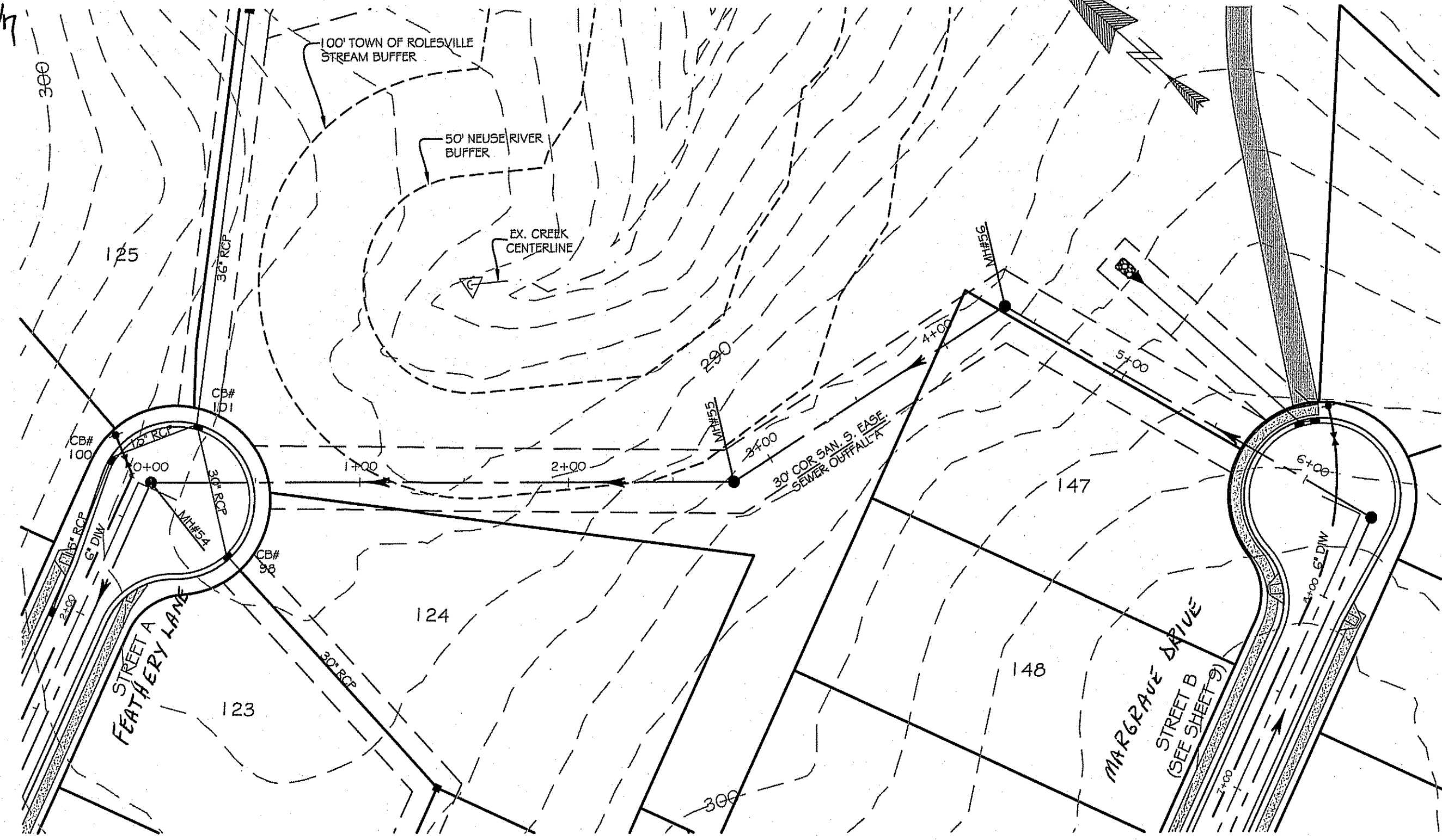
PUBLIC
Sewer Collection / Extension System
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City of Raleigh
Public Utilities Department Permit# S-4393
Construction Approval: Ben R. L.
Date: 8/19/17

PUBLIC
Water Distribution / Extension System
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City of Raleigh
Public Utilities Department Permit# W-3493
Construction Approval: Ben R. L.
Date: 8/19/17

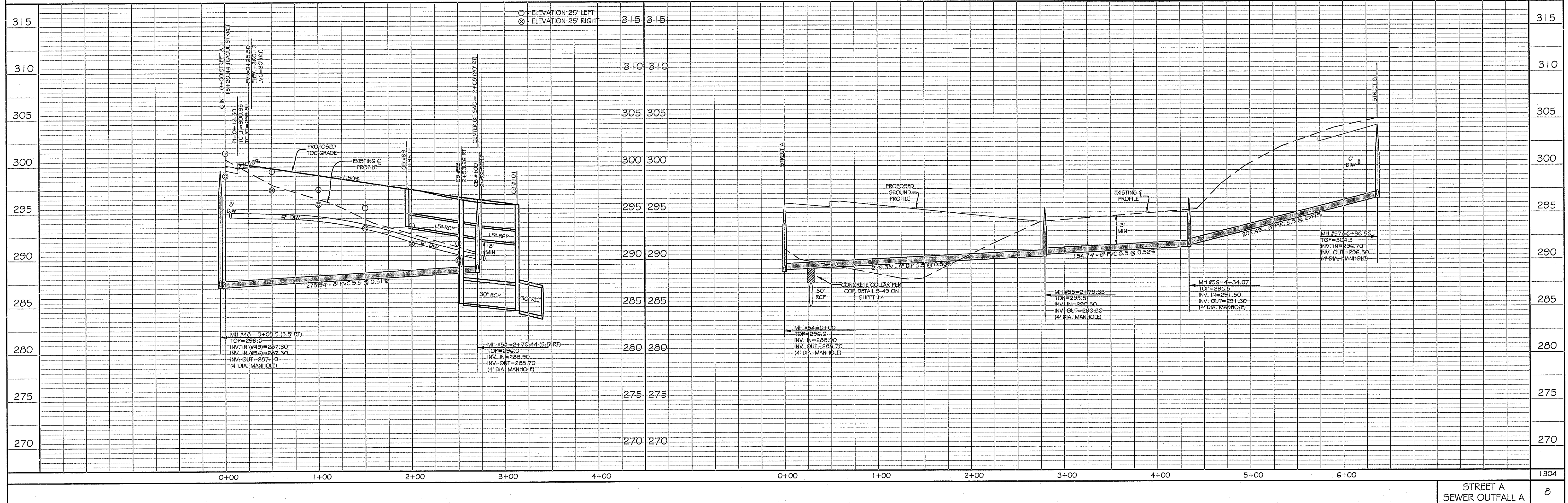
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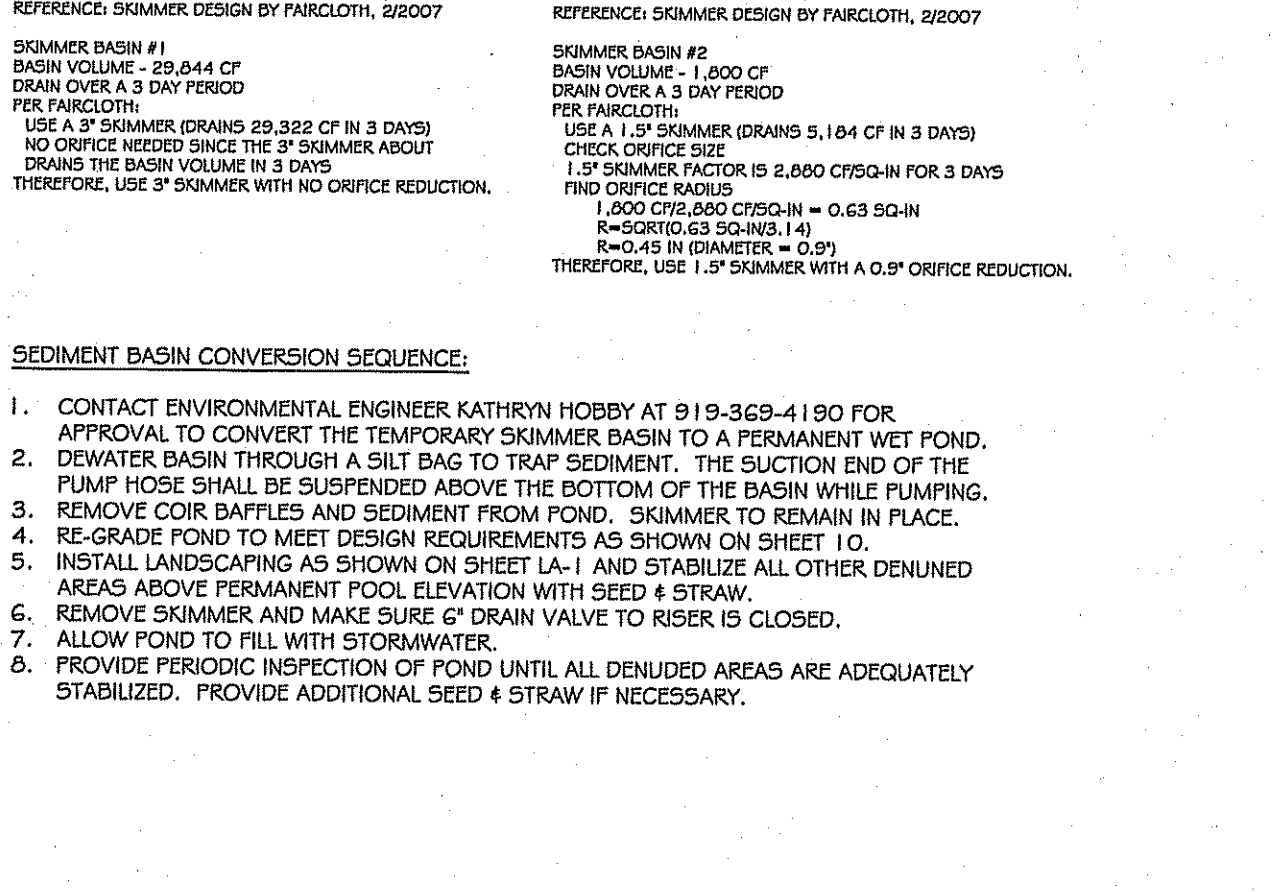
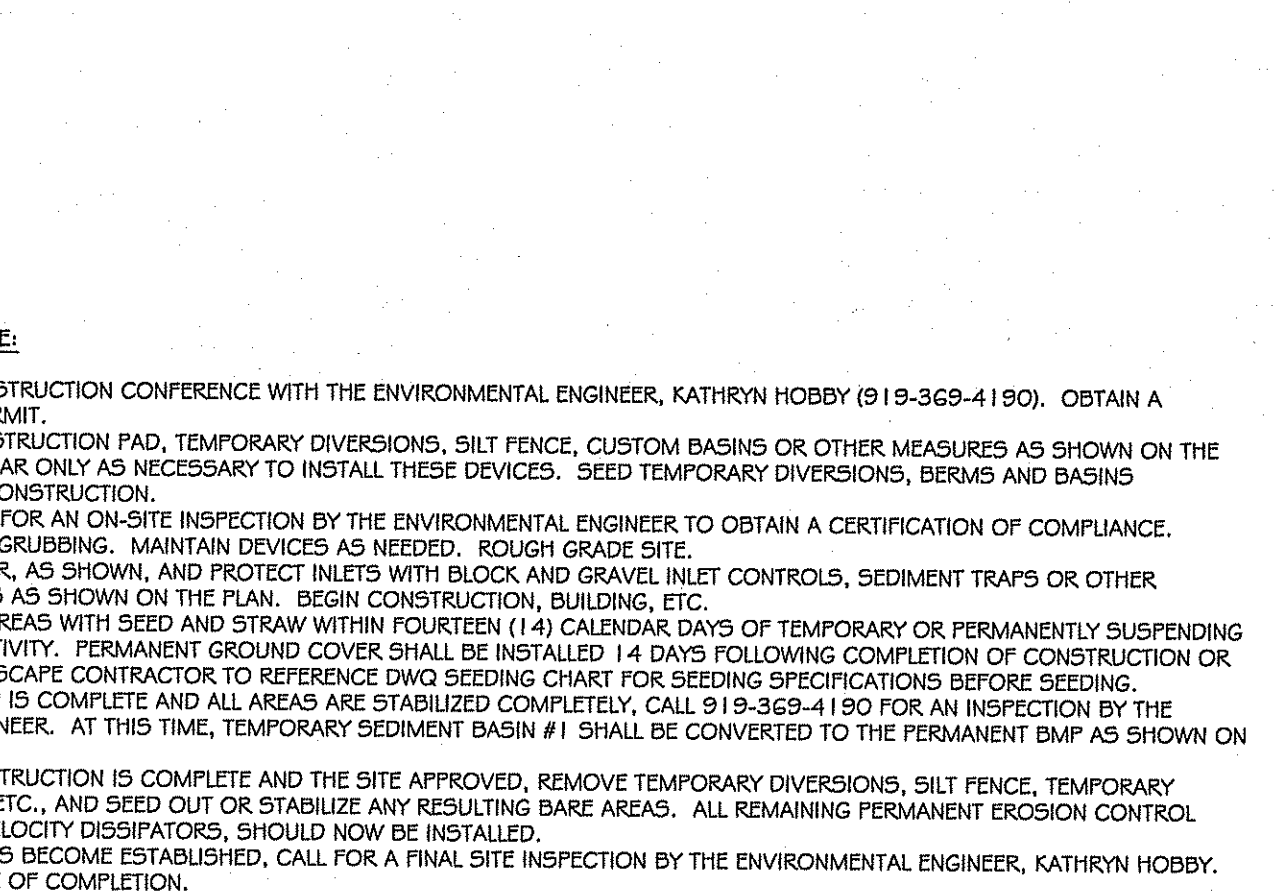
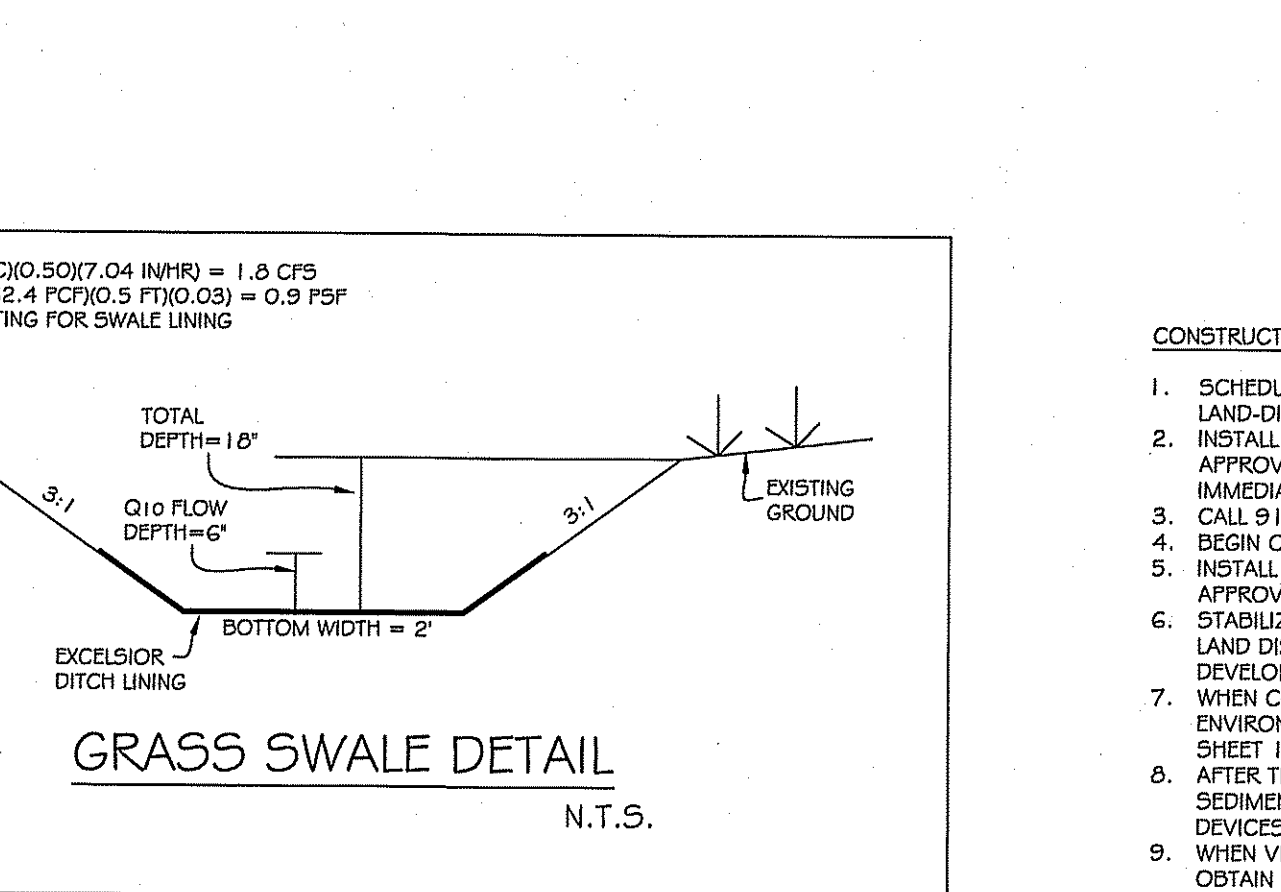
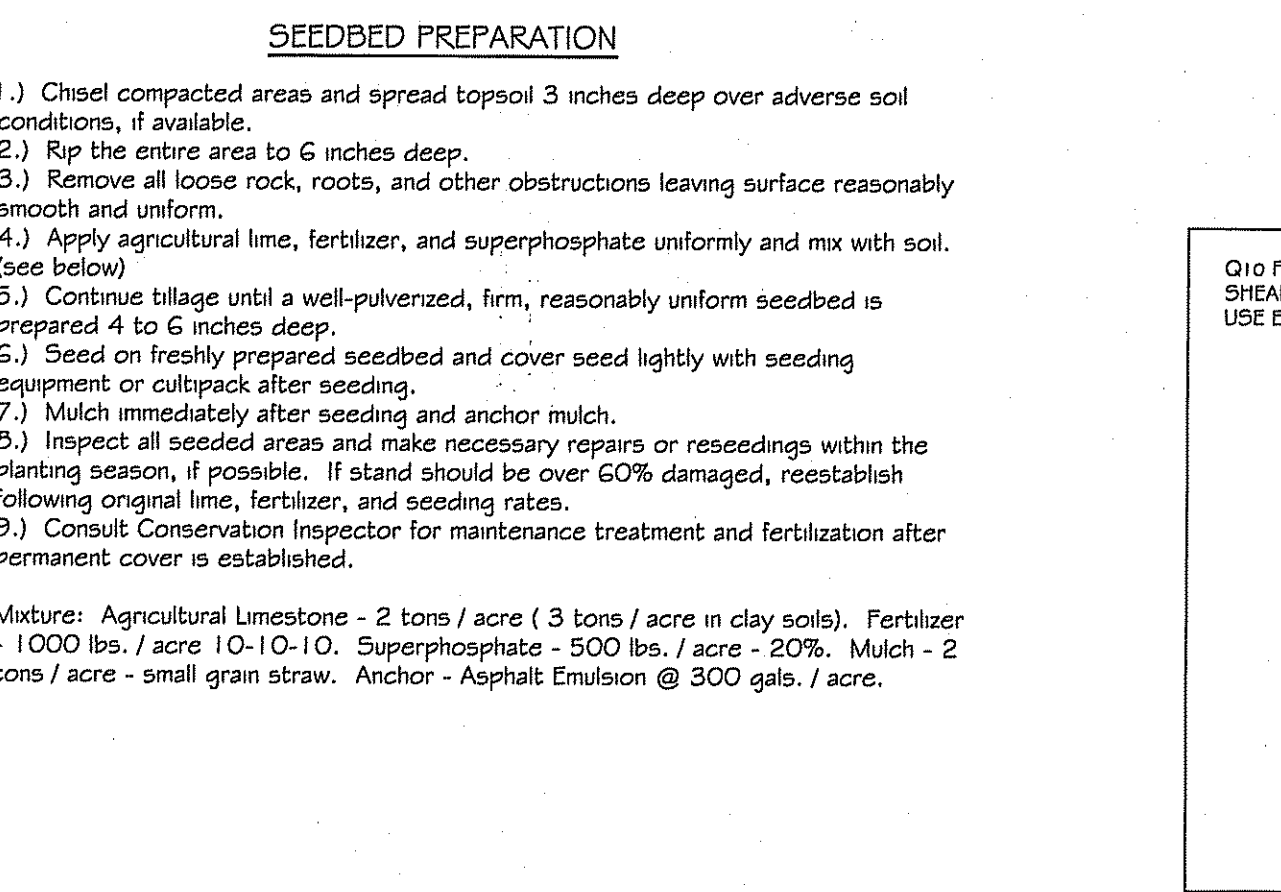
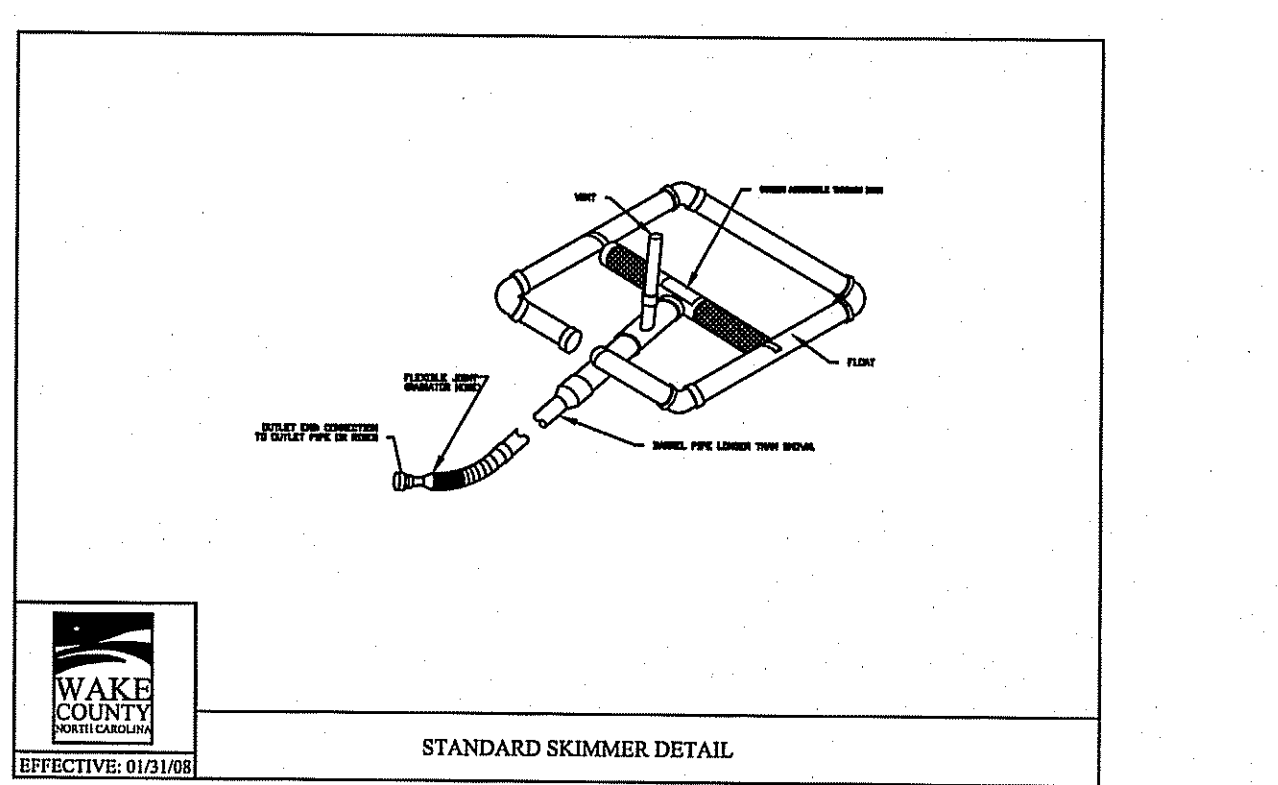
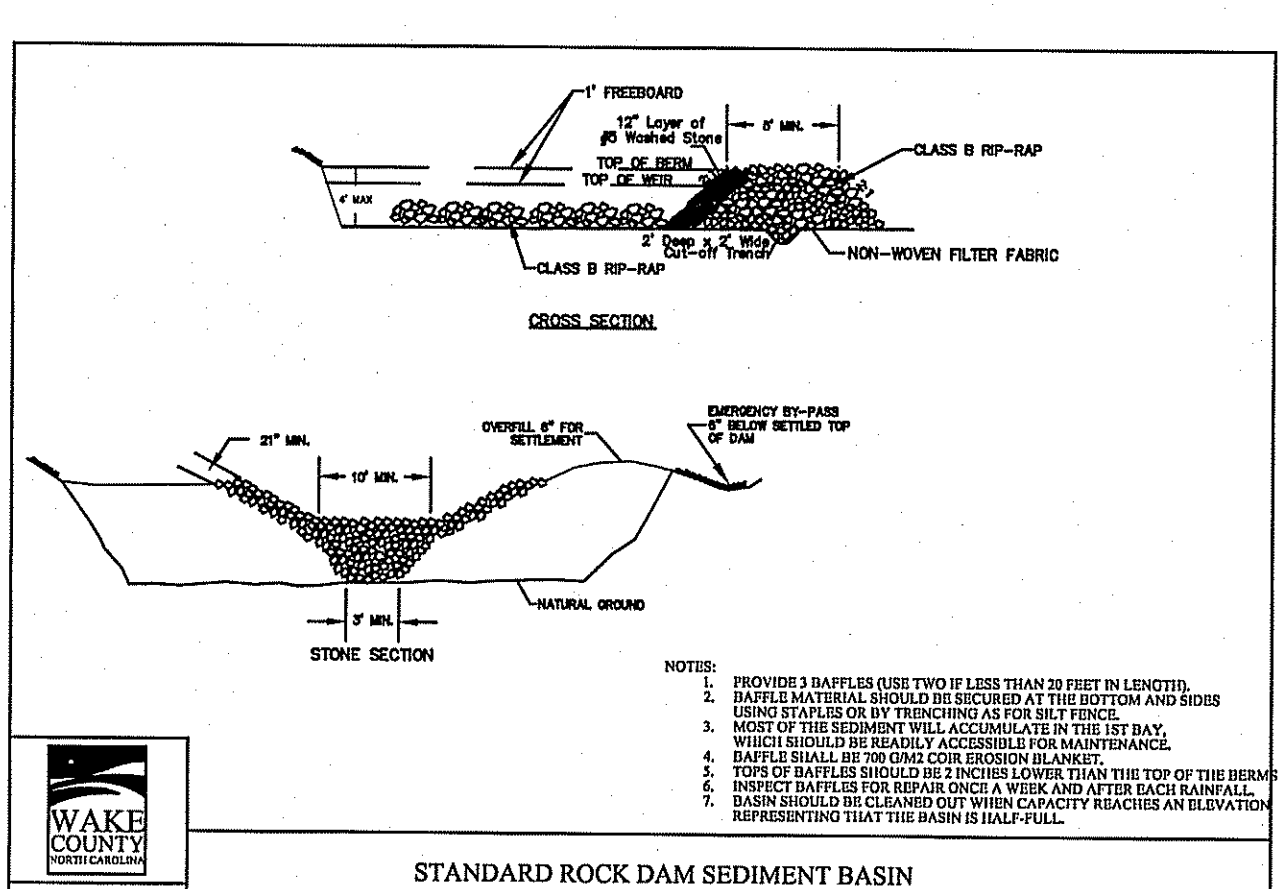
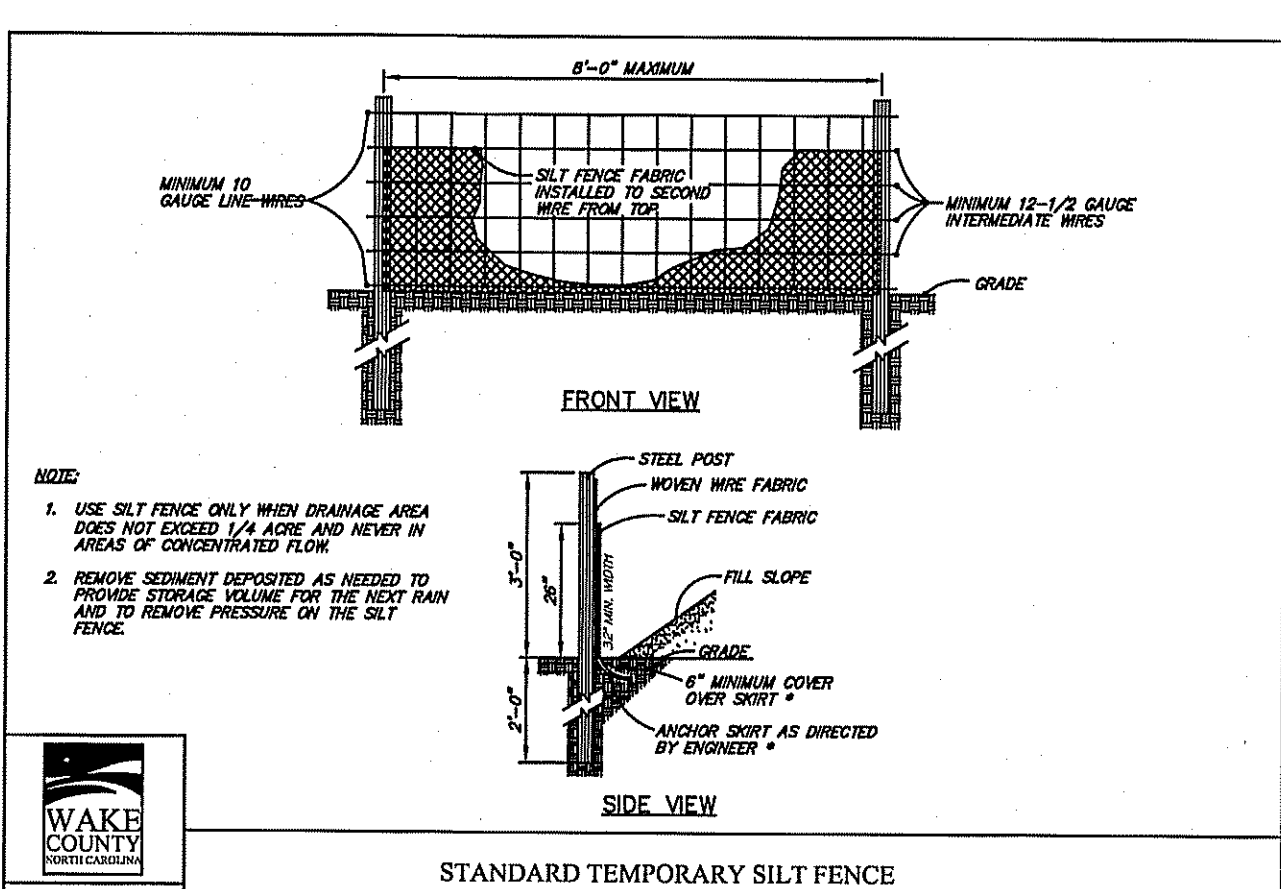
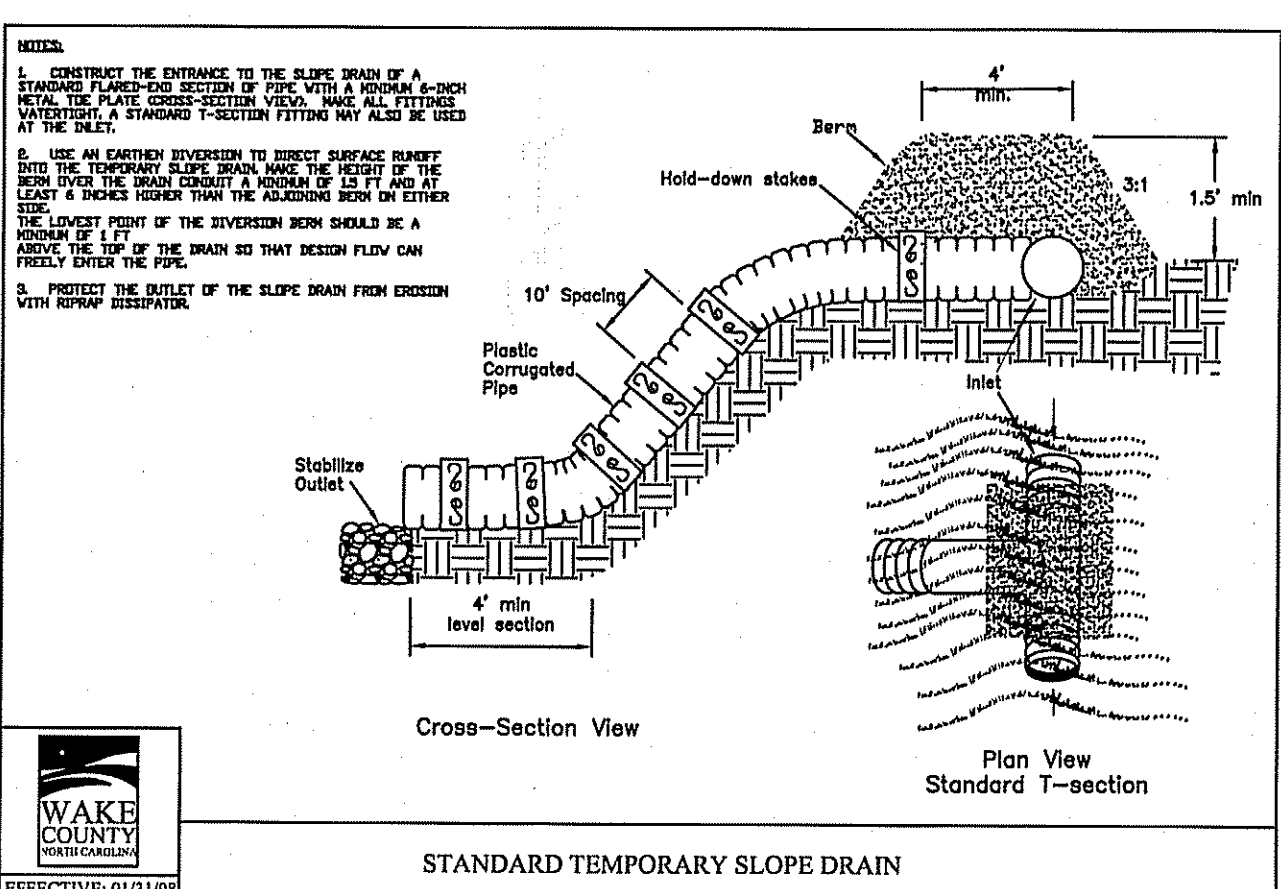
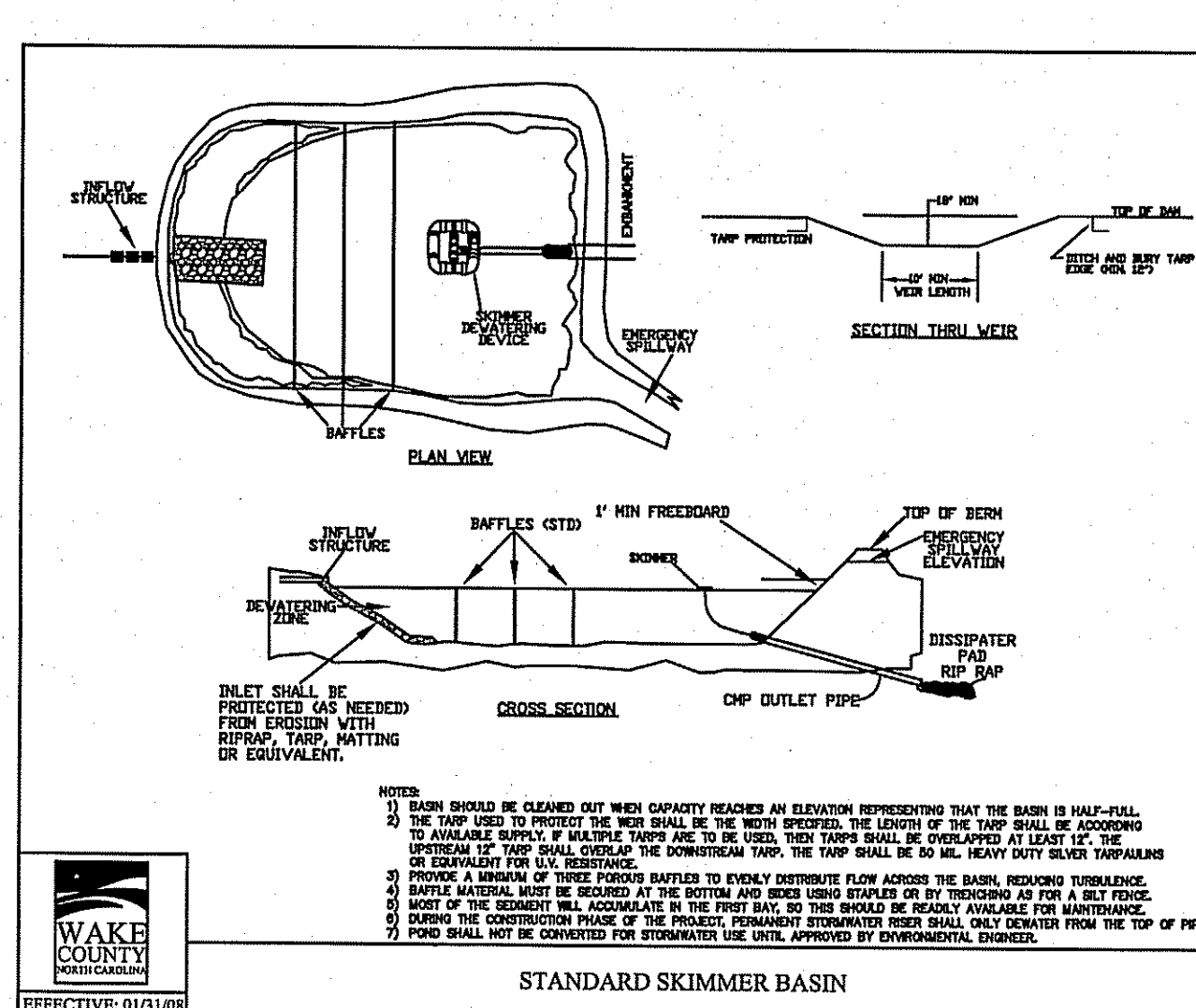
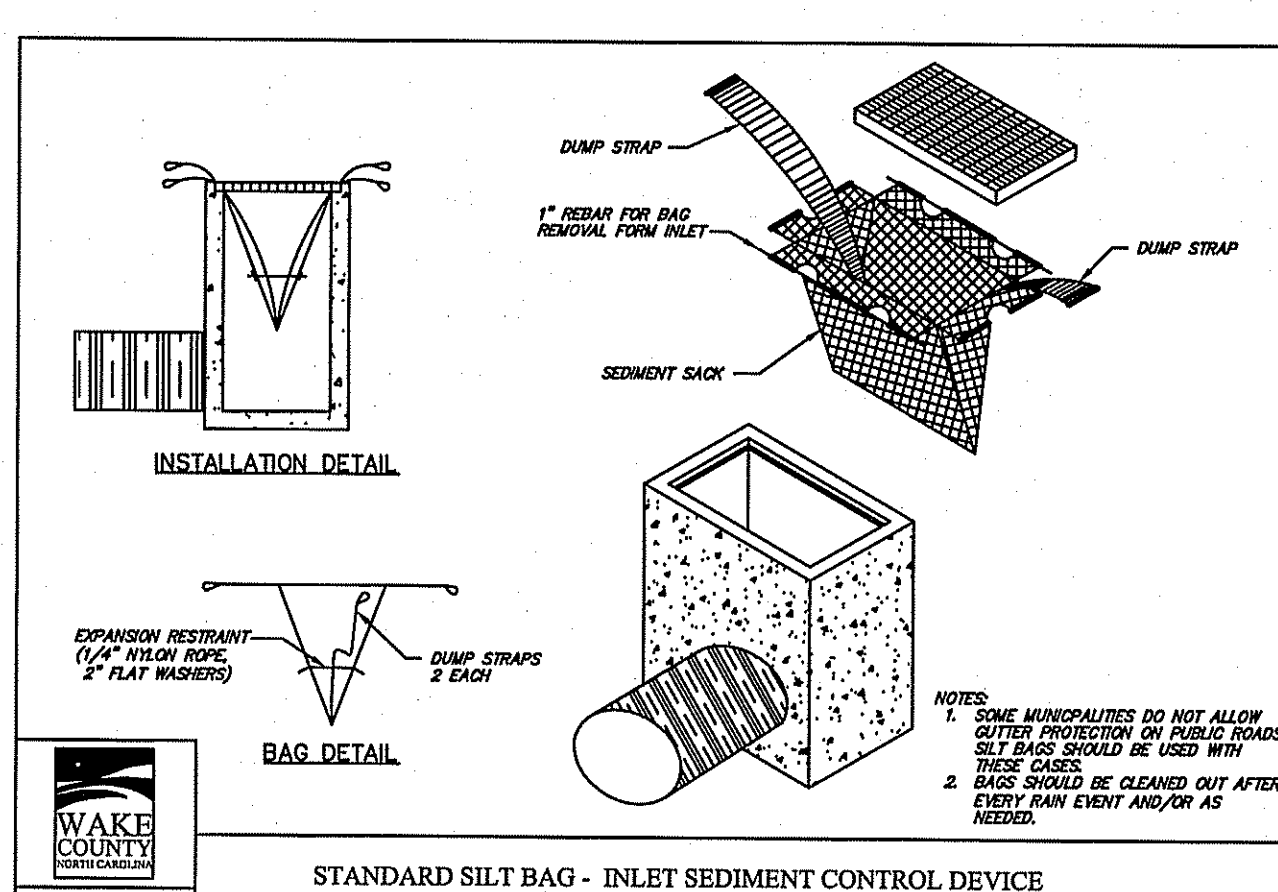
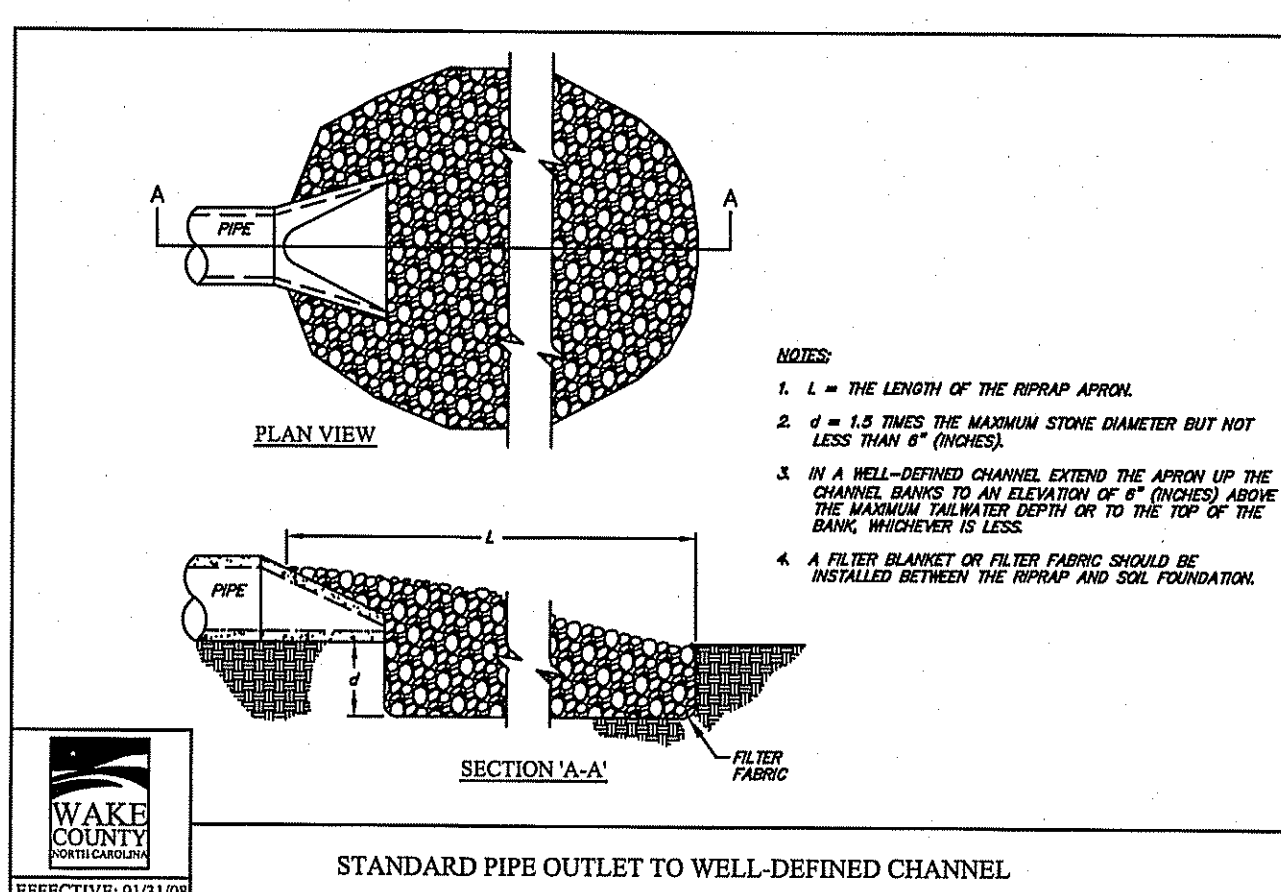
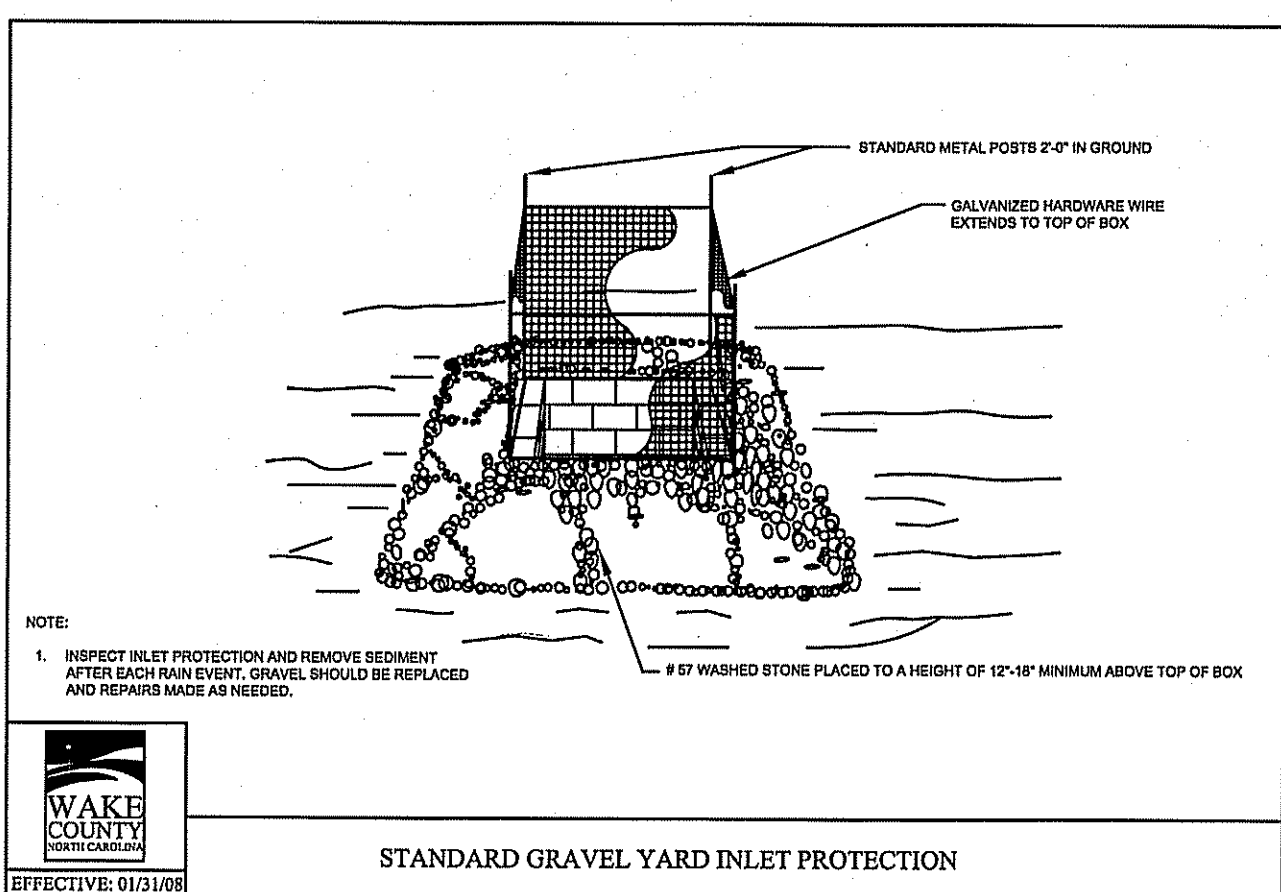
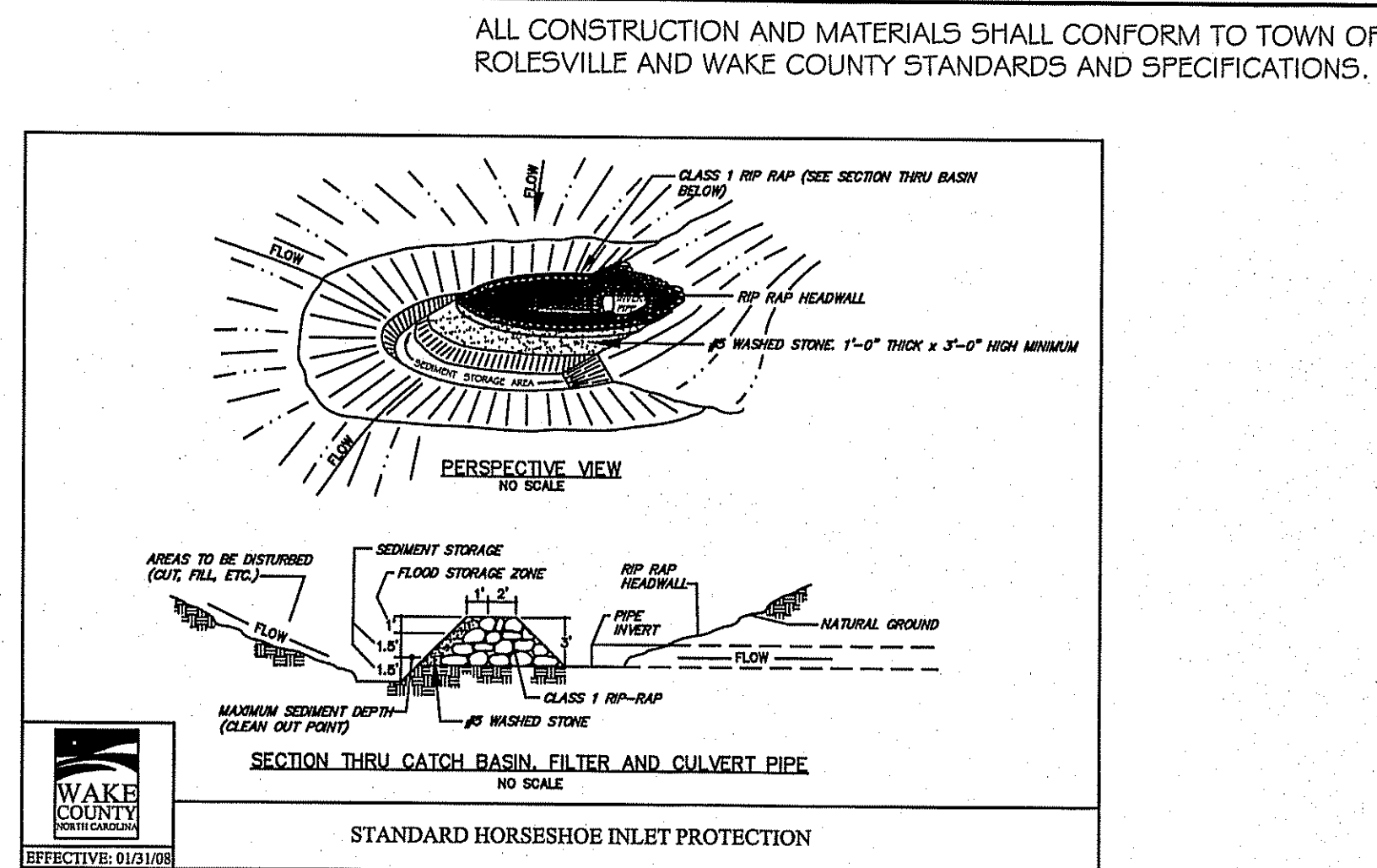
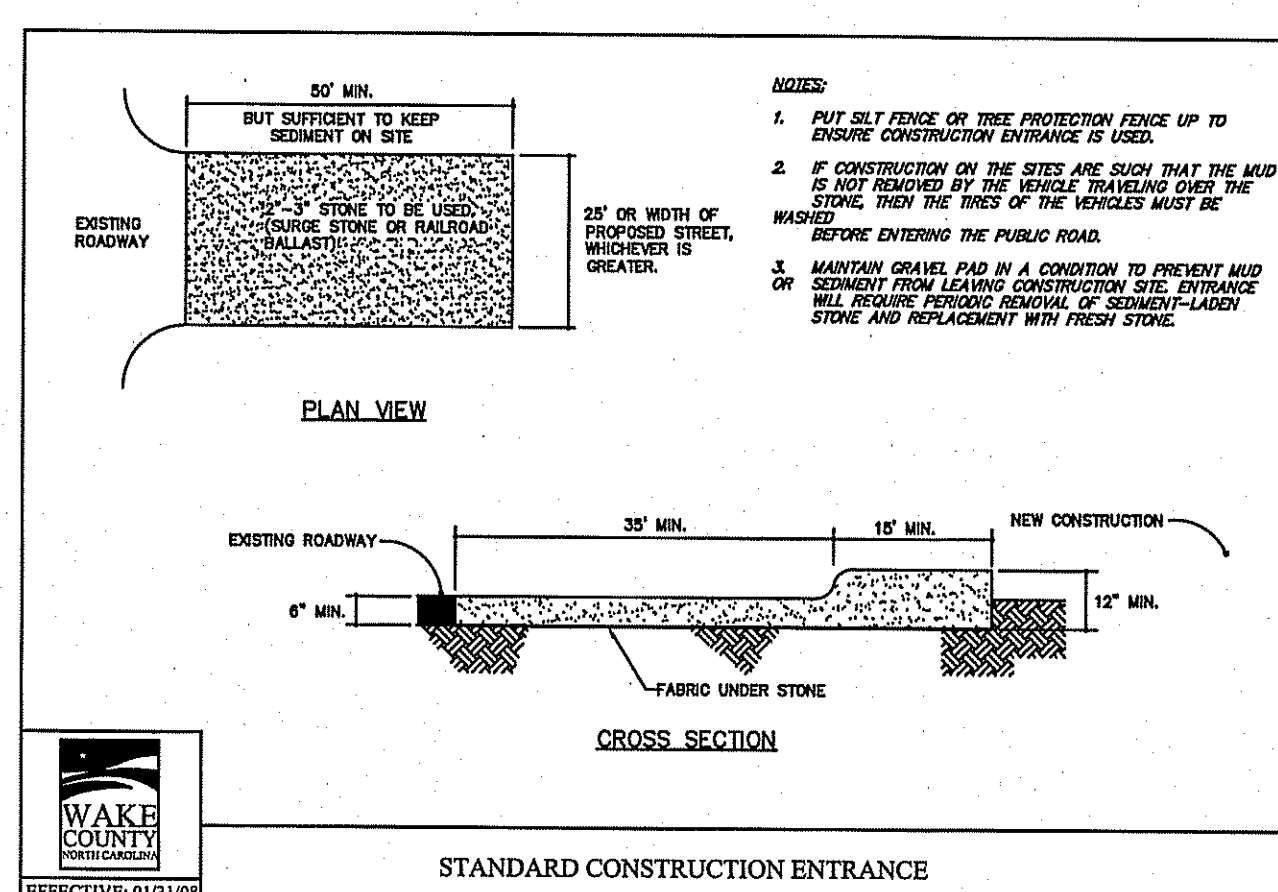
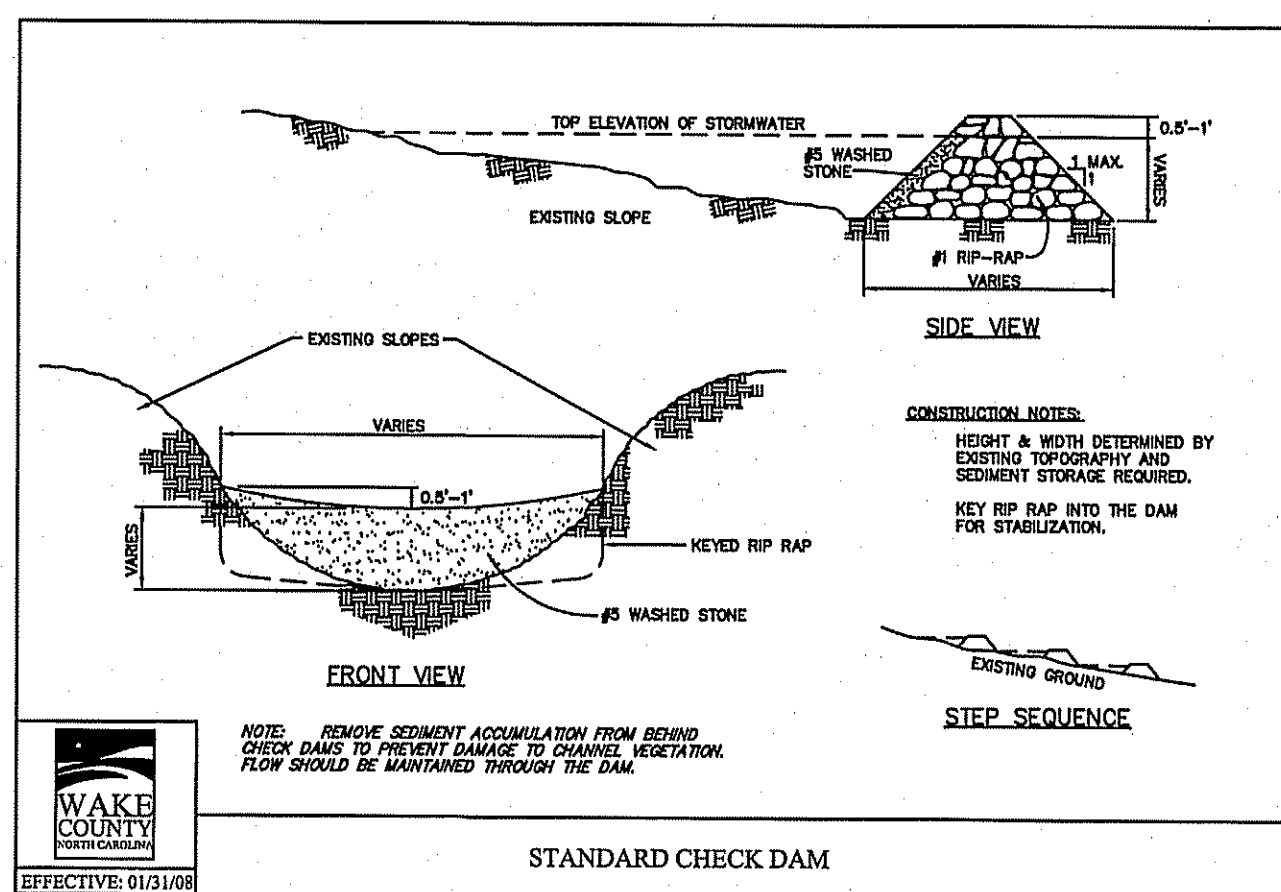
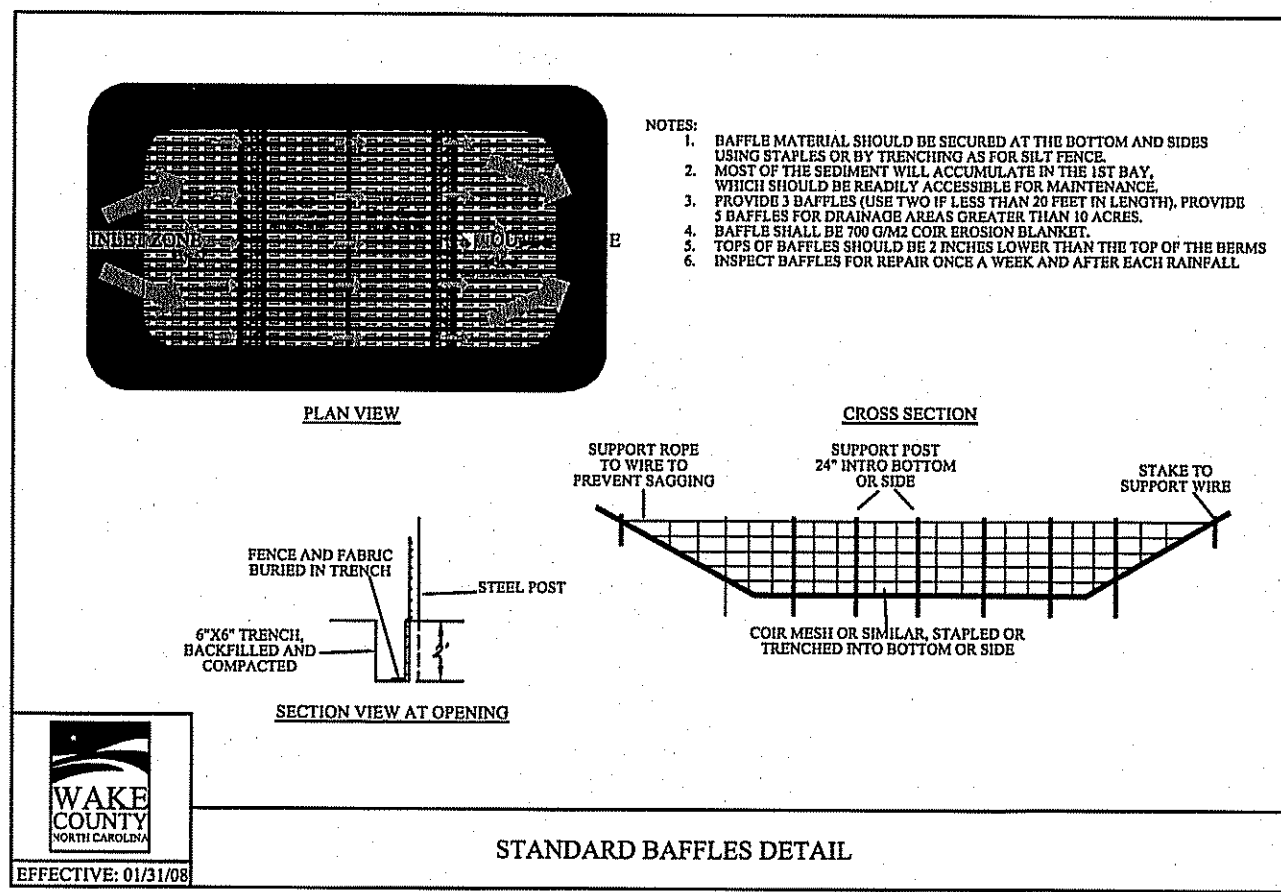


STREET A



SEWER OUTFALL A





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SEAL
KATHRYN HOBBY
REGISTERED PROFESSIONAL ENGINEER
STATE OF NORTH CAROLINA
P-0151

STONEWATER SUBDIVISION
PHASE 4 CONSTRUCTION DRAWINGS
TOWN OF ROLESVILLE
WAKE COUNTY, NORTH CAROLINA

EROSION CONTROL DETAILS

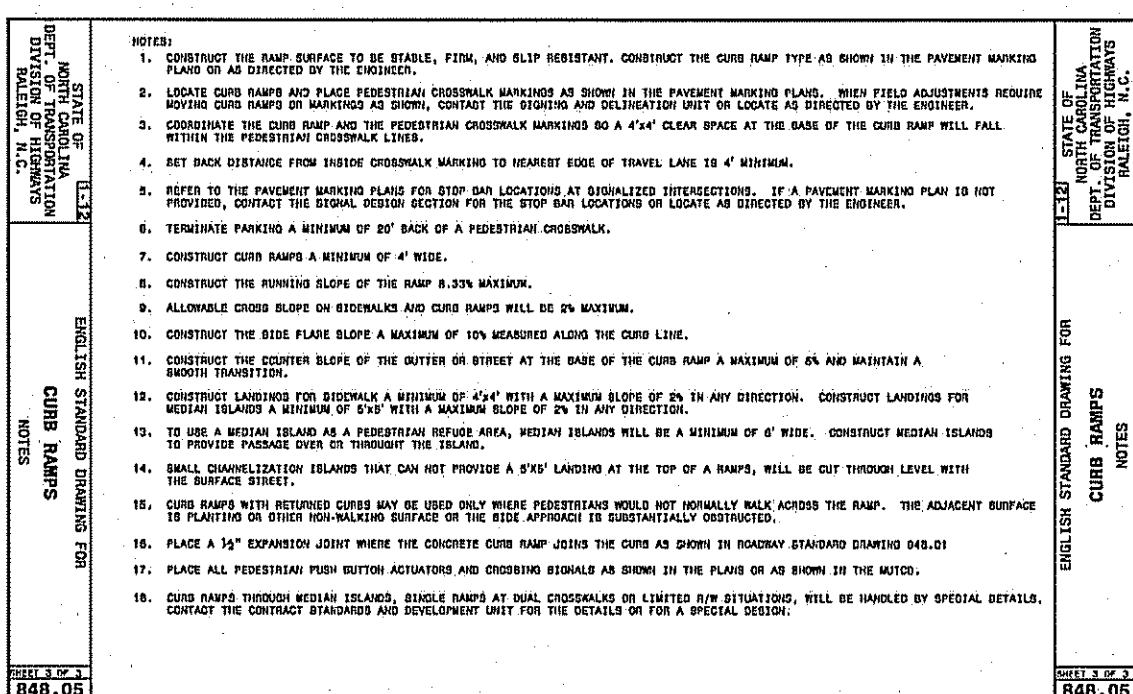
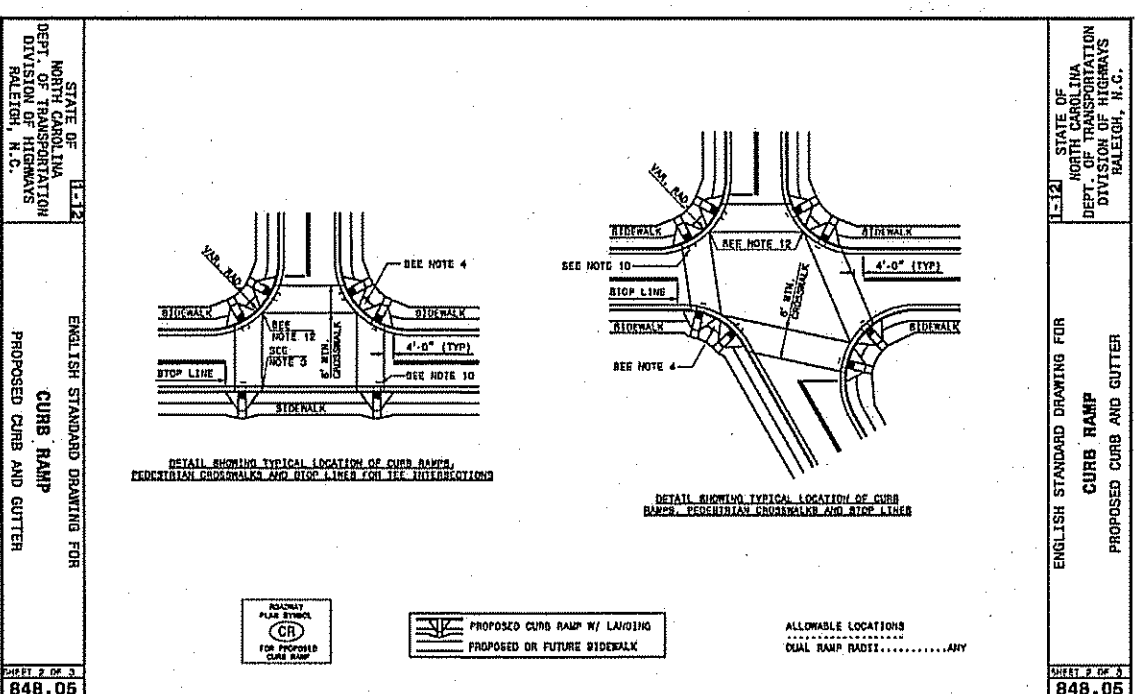
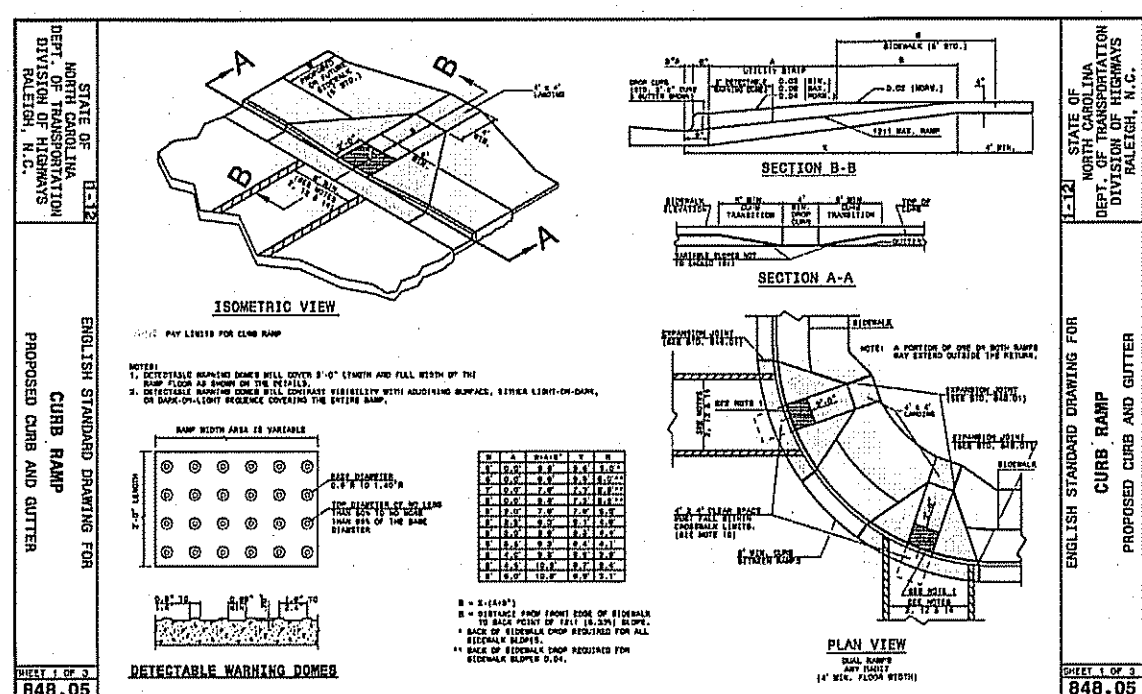
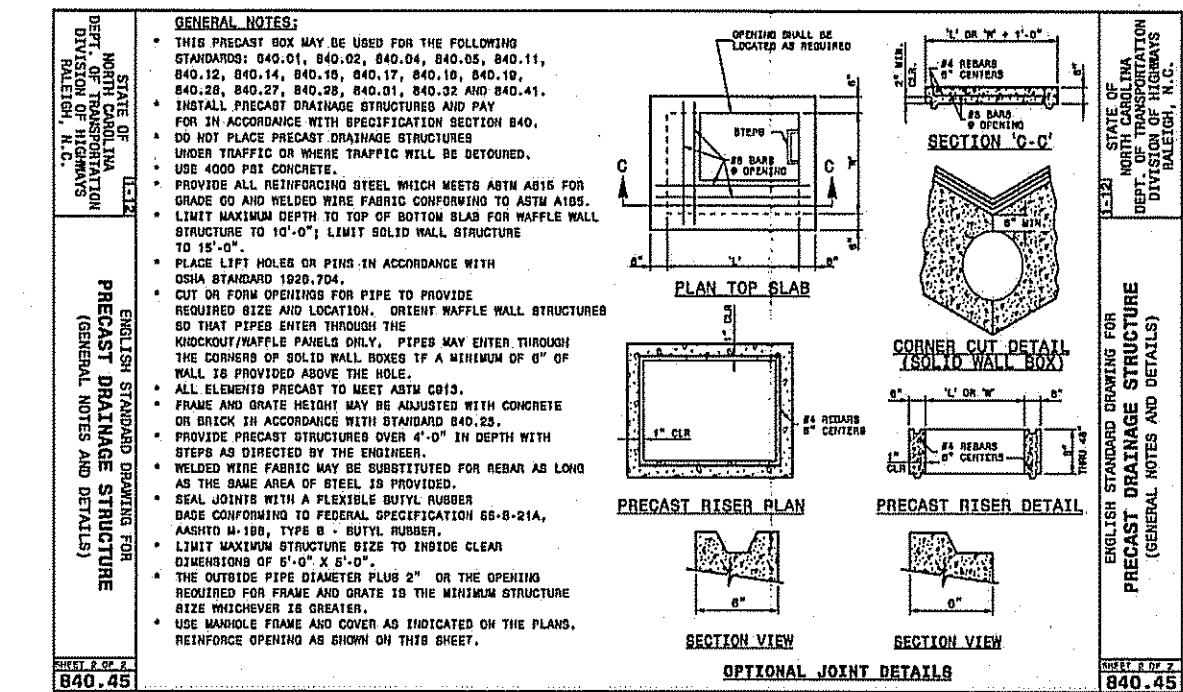
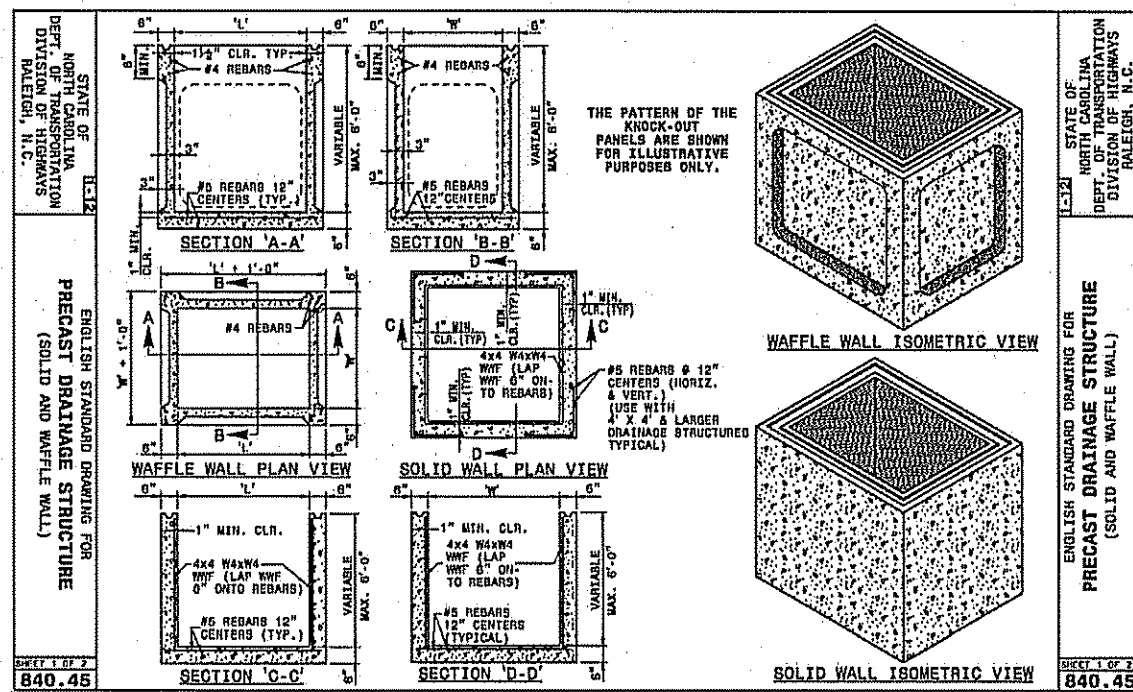
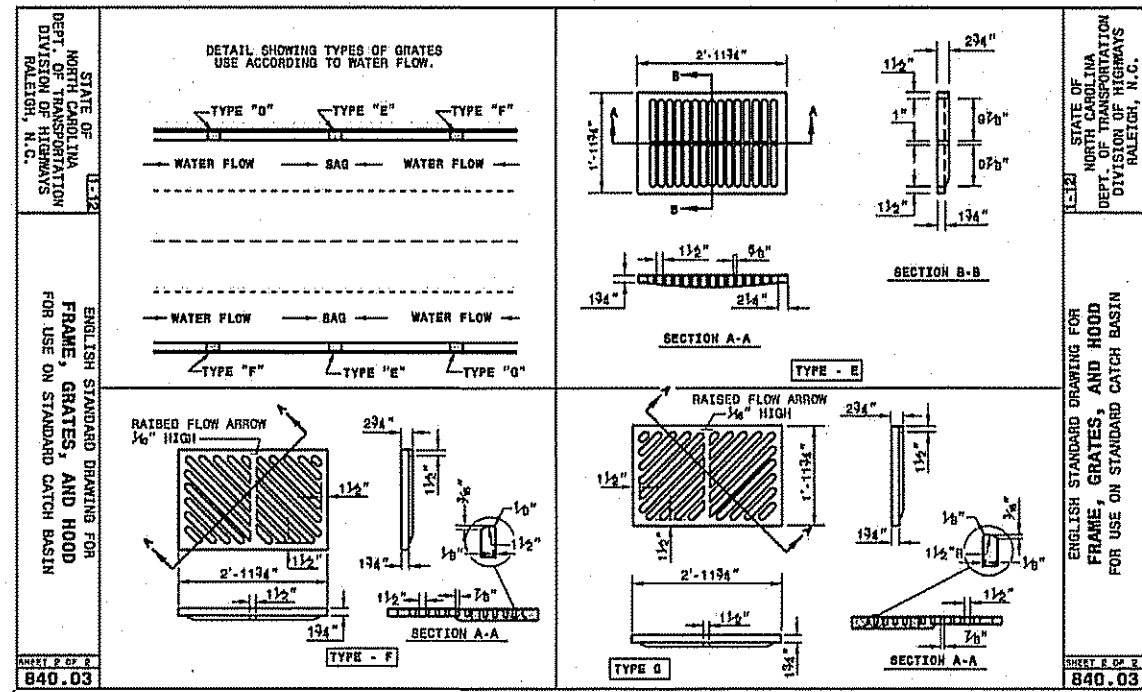
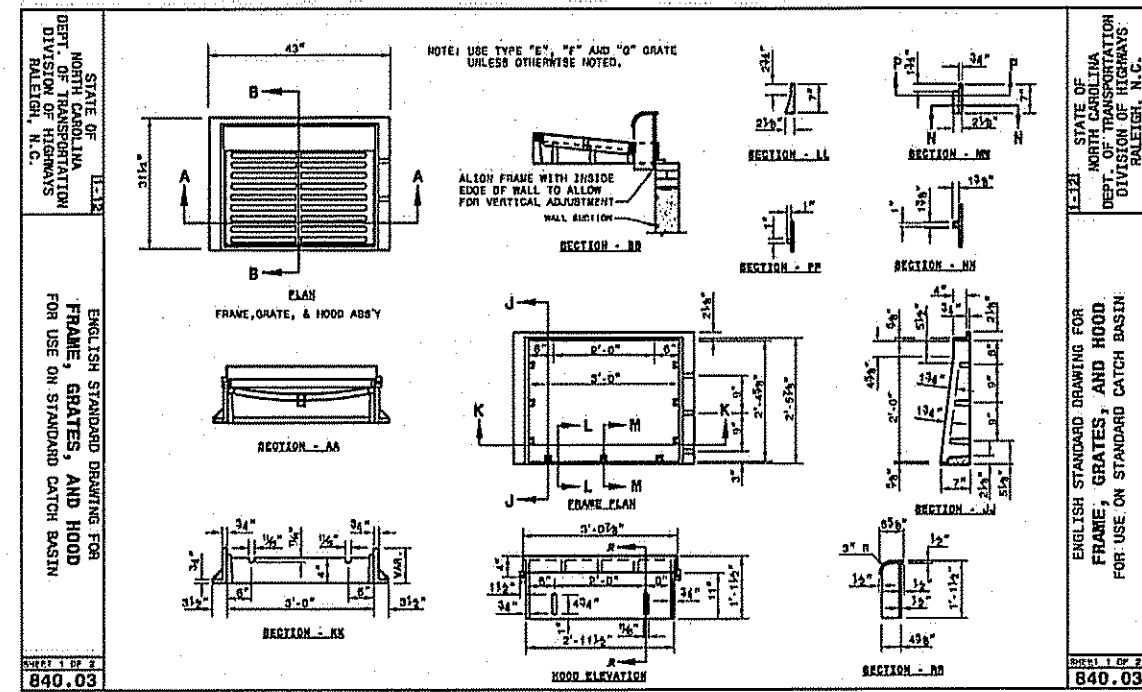
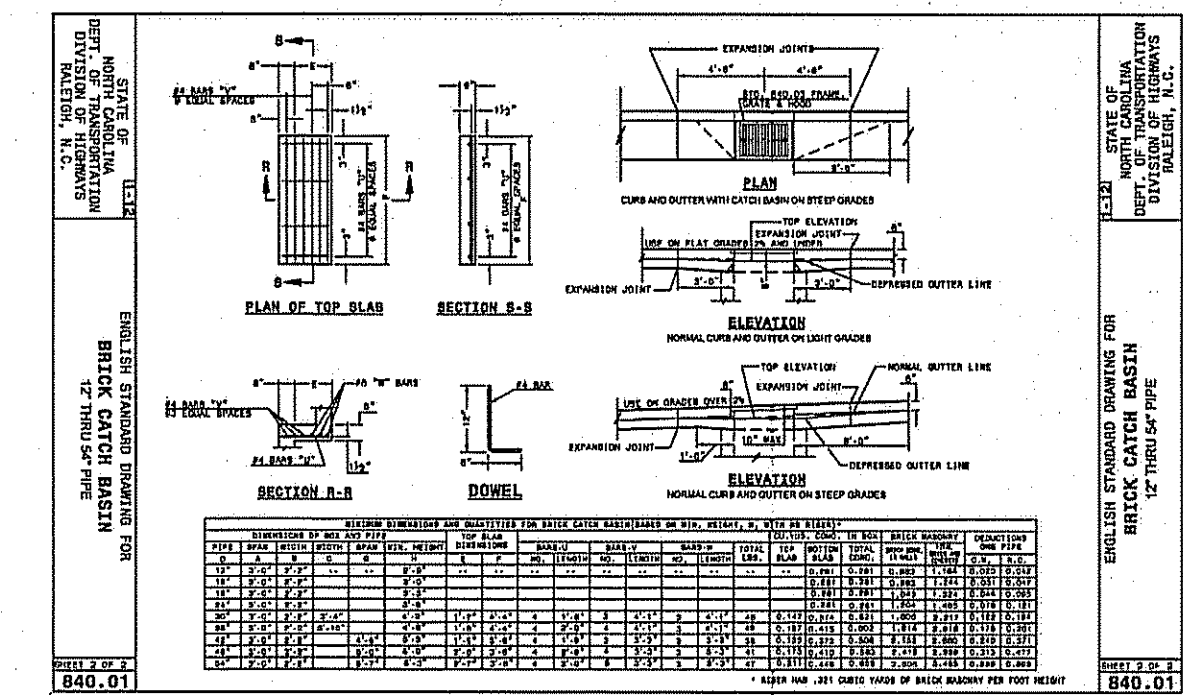
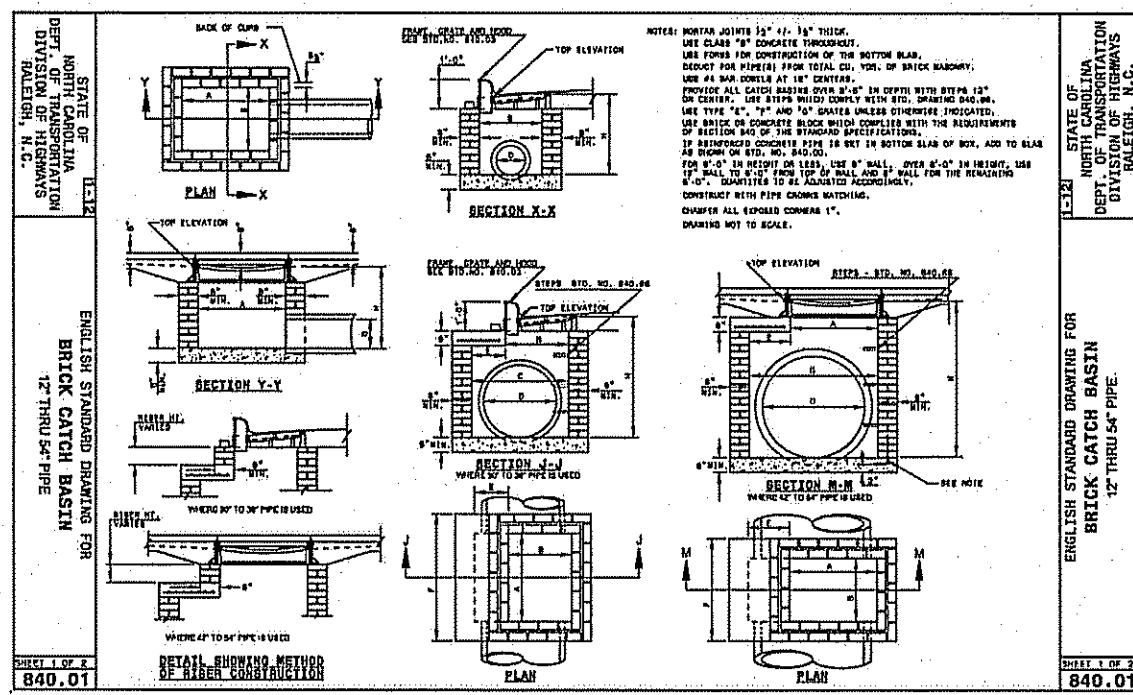
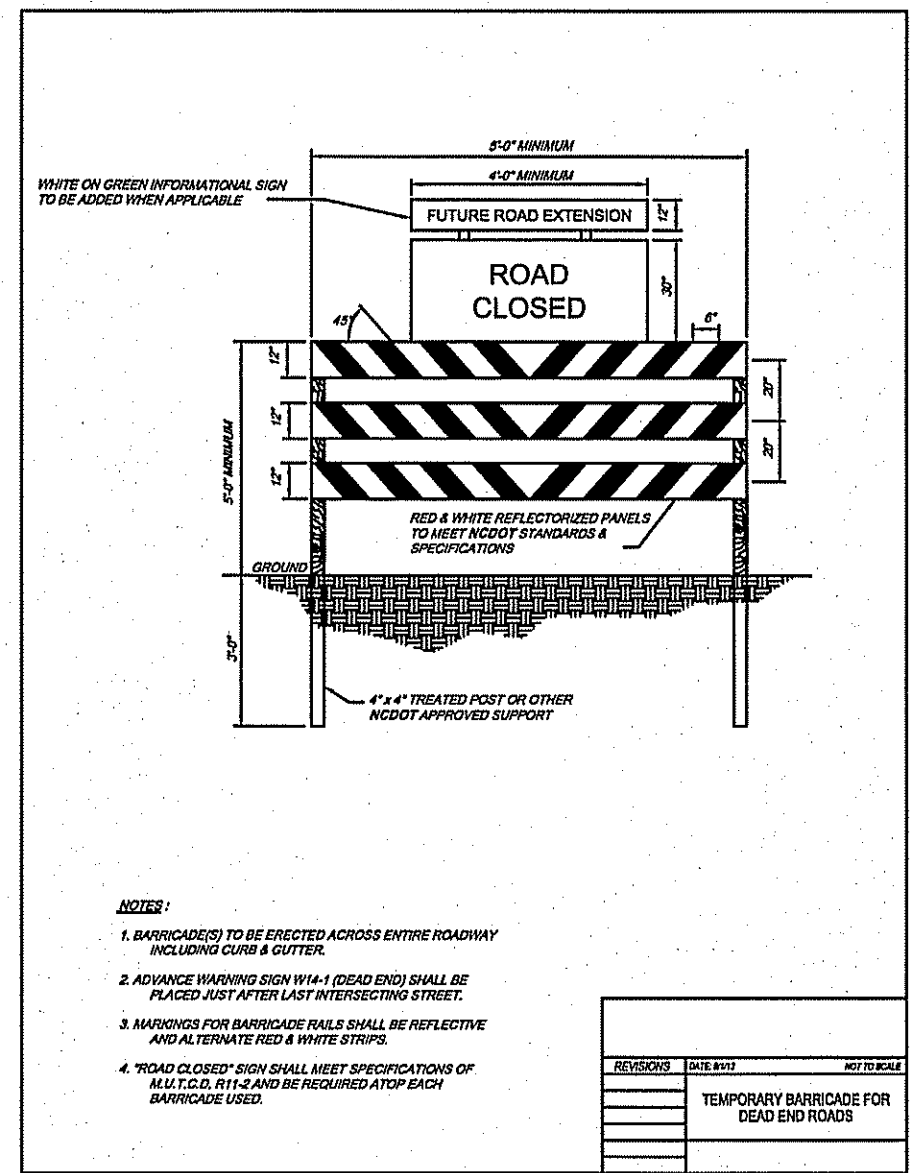
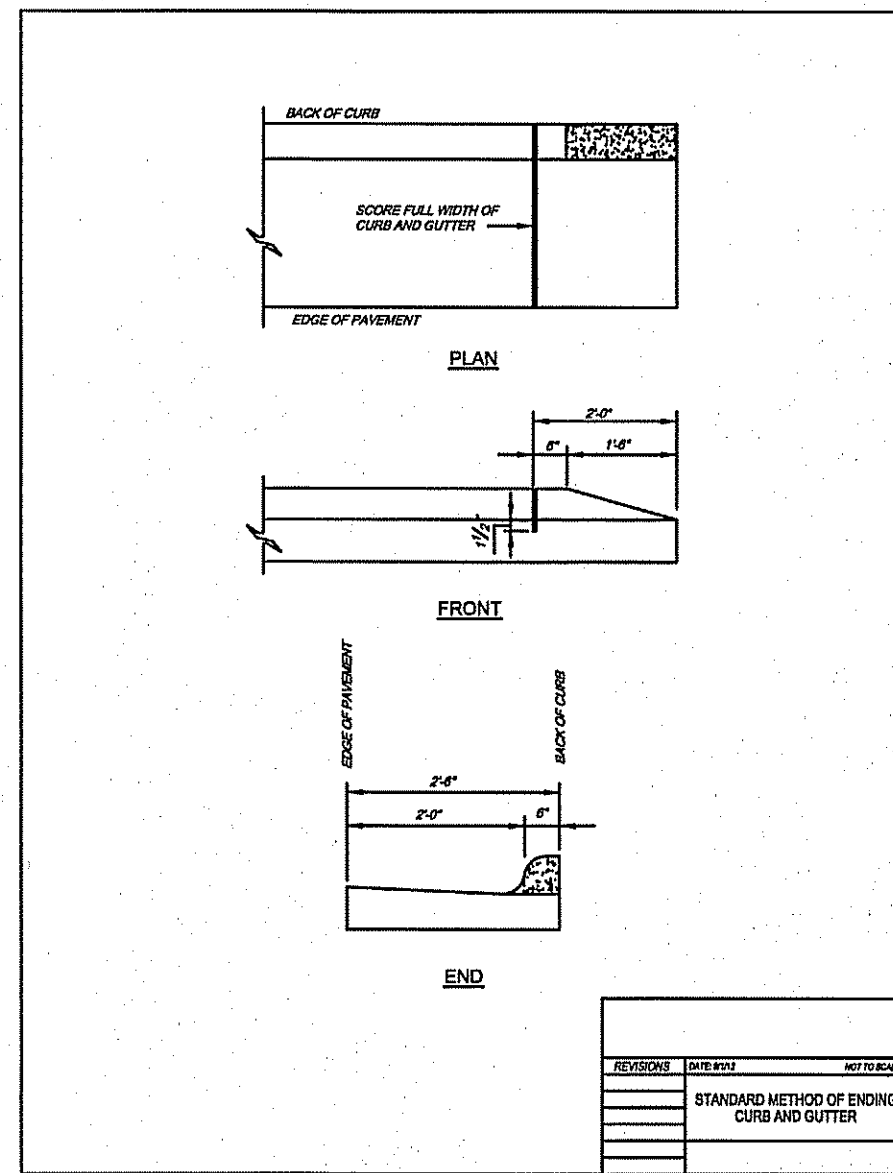
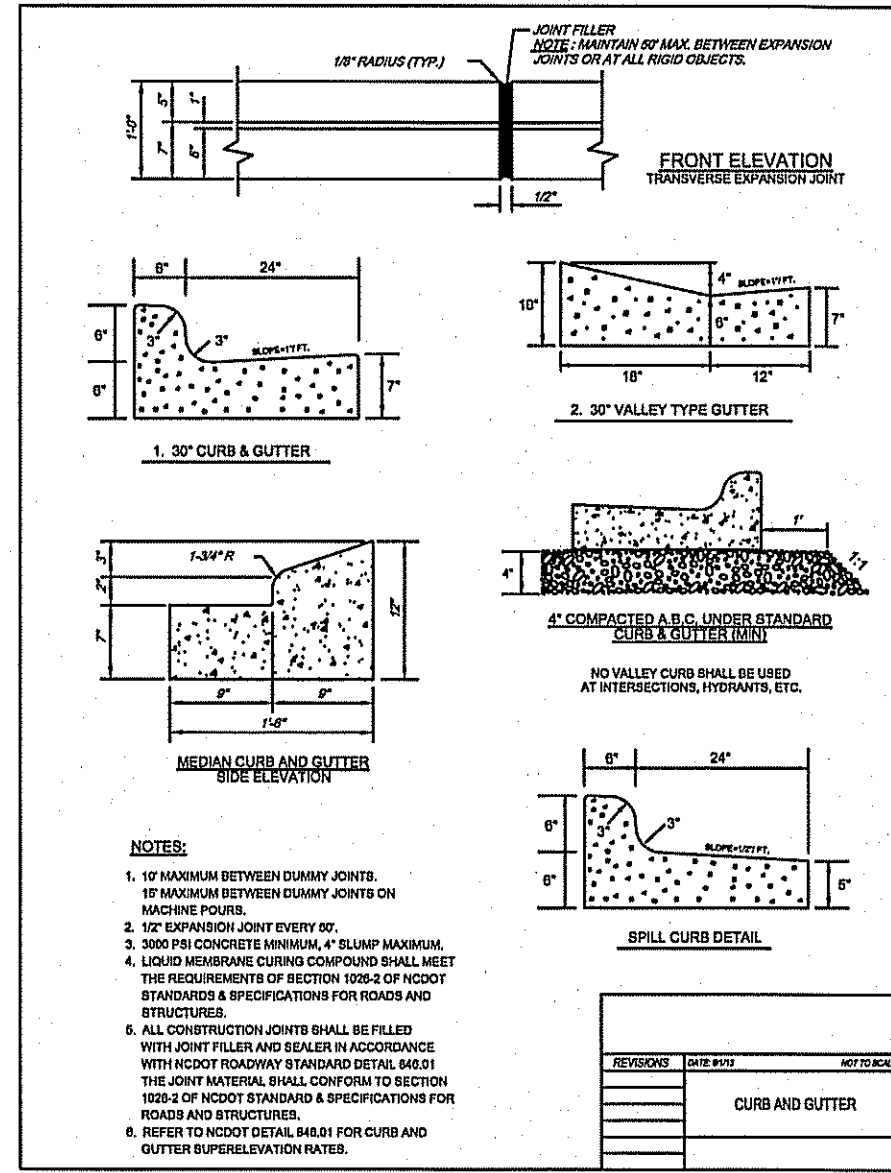
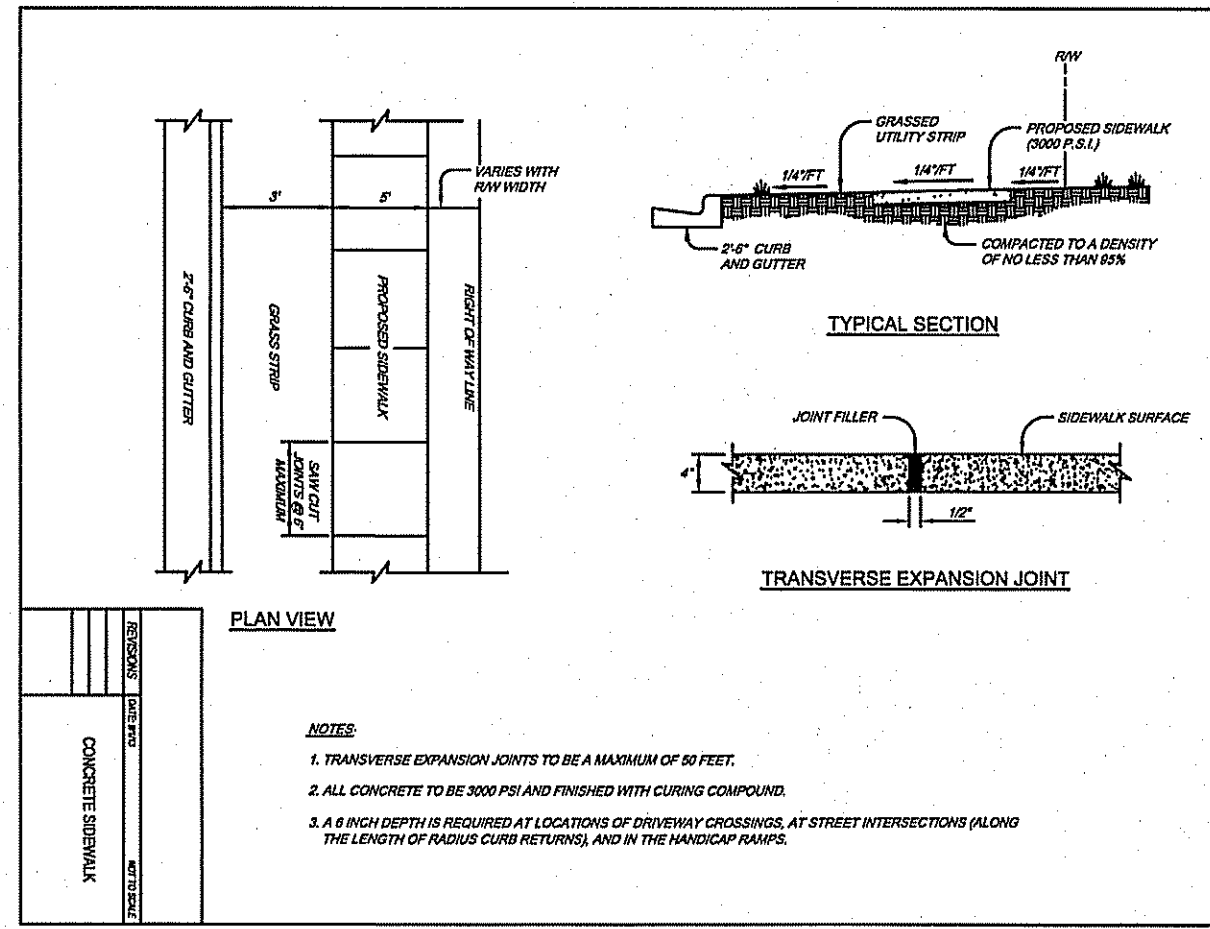
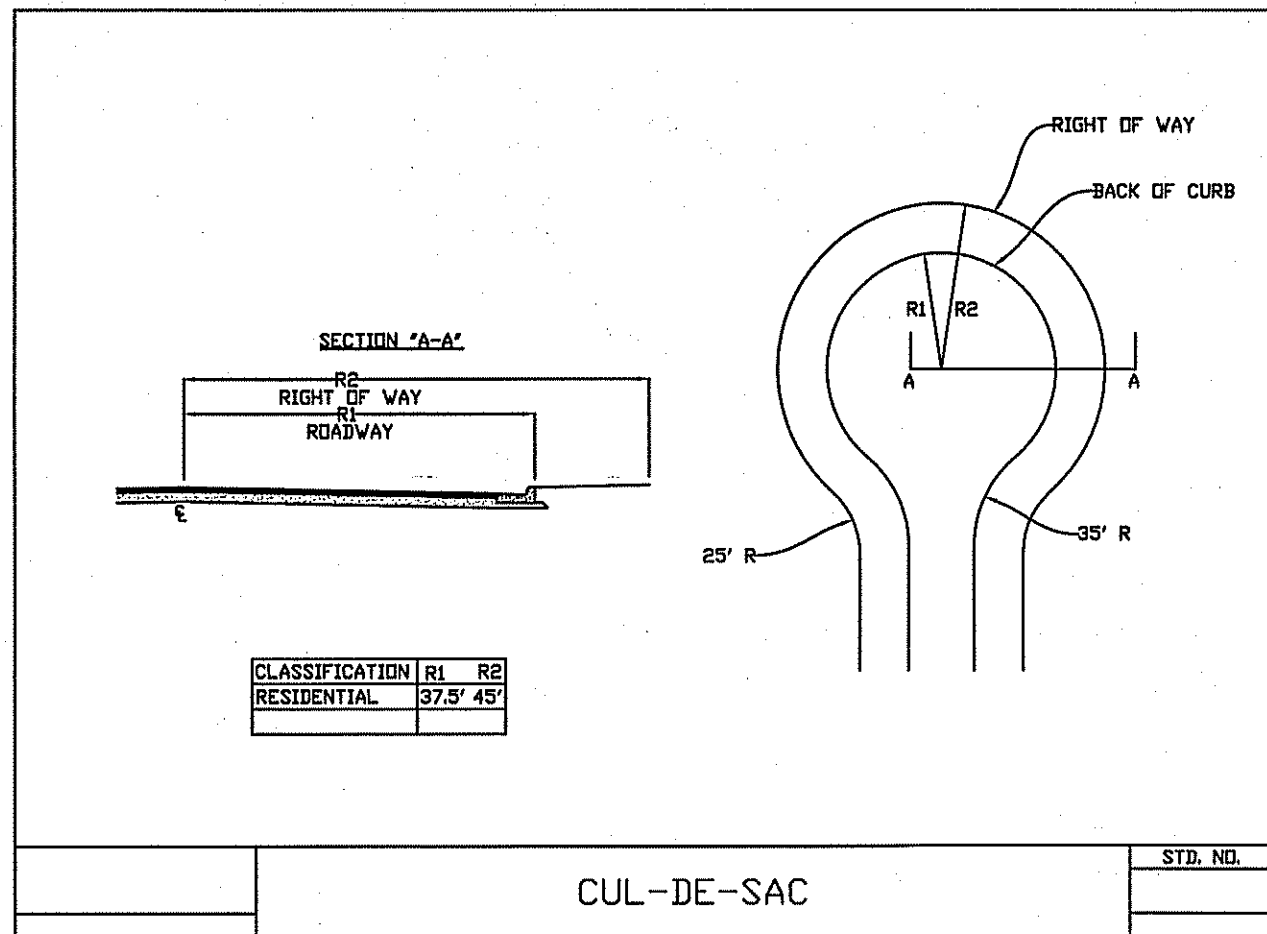
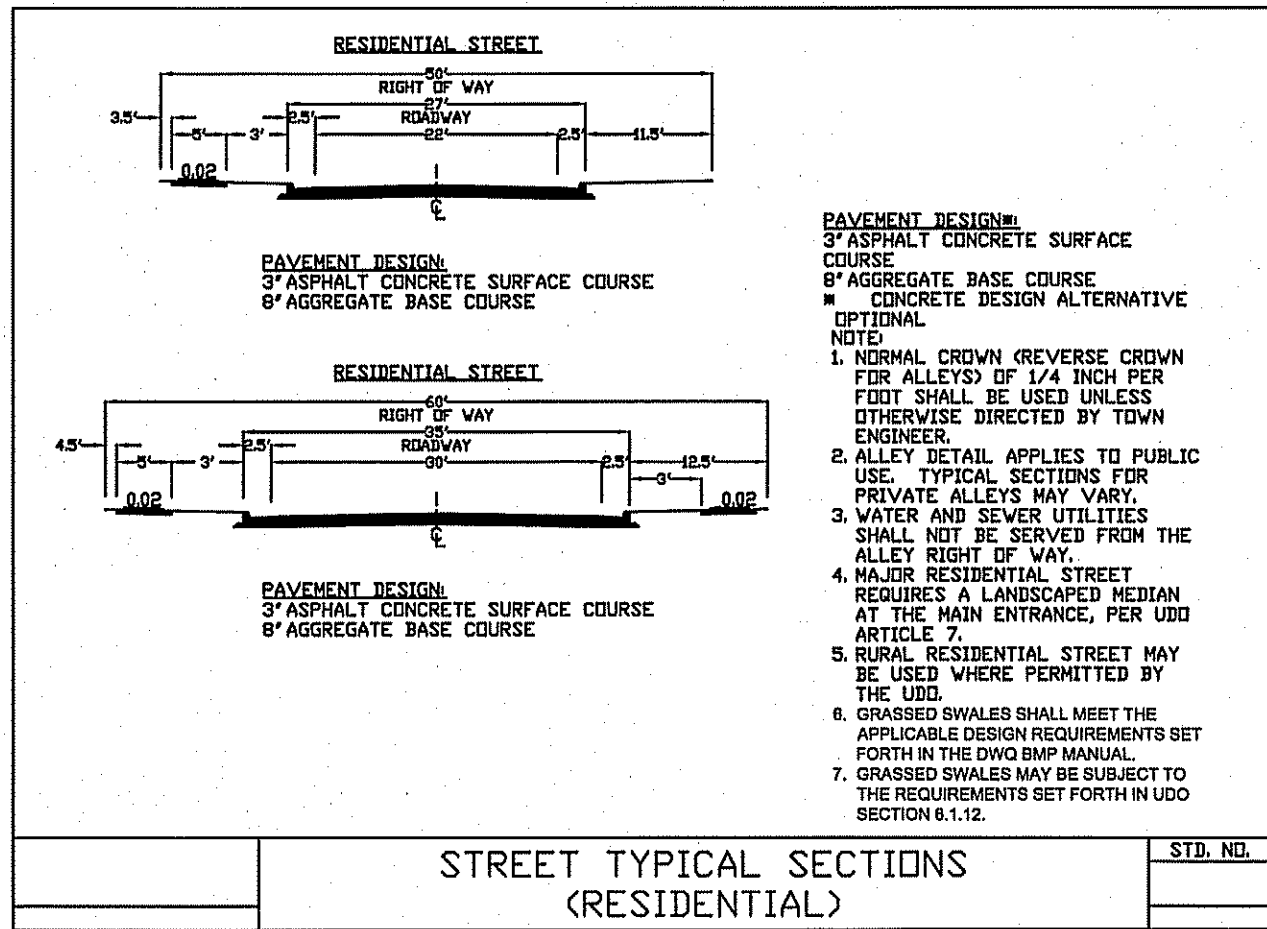
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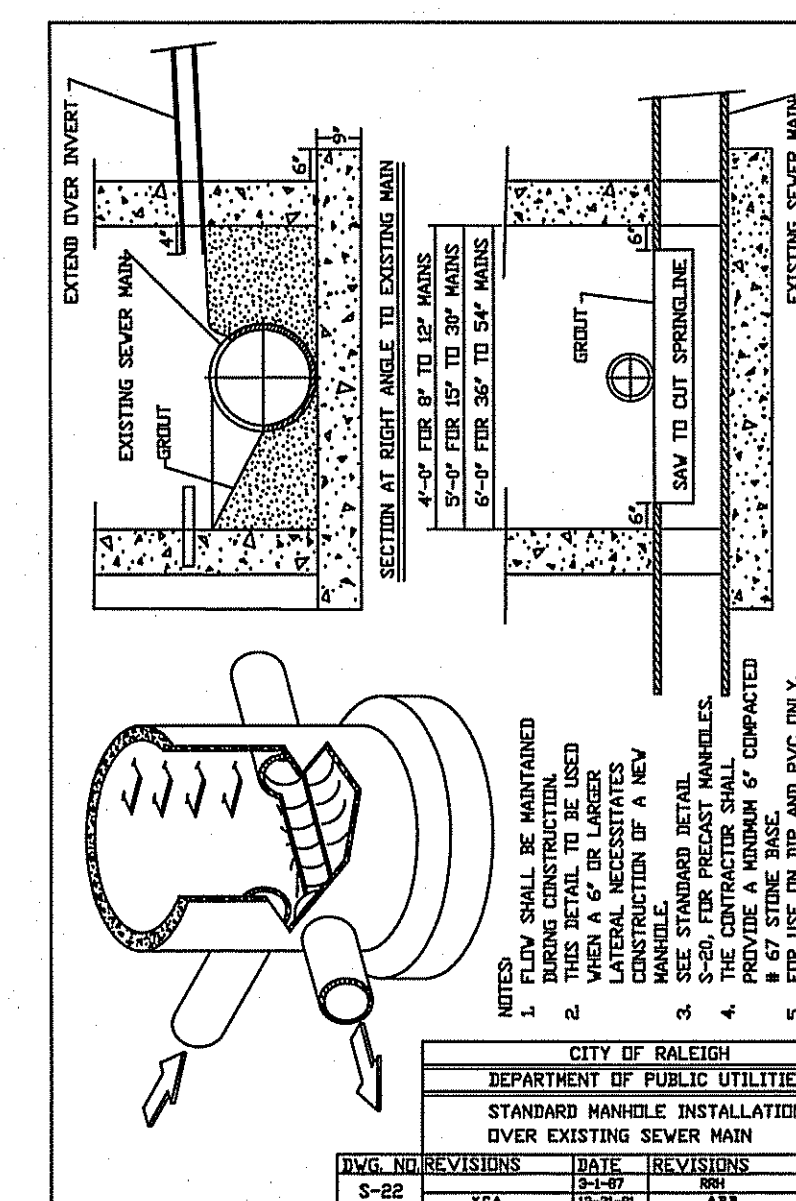
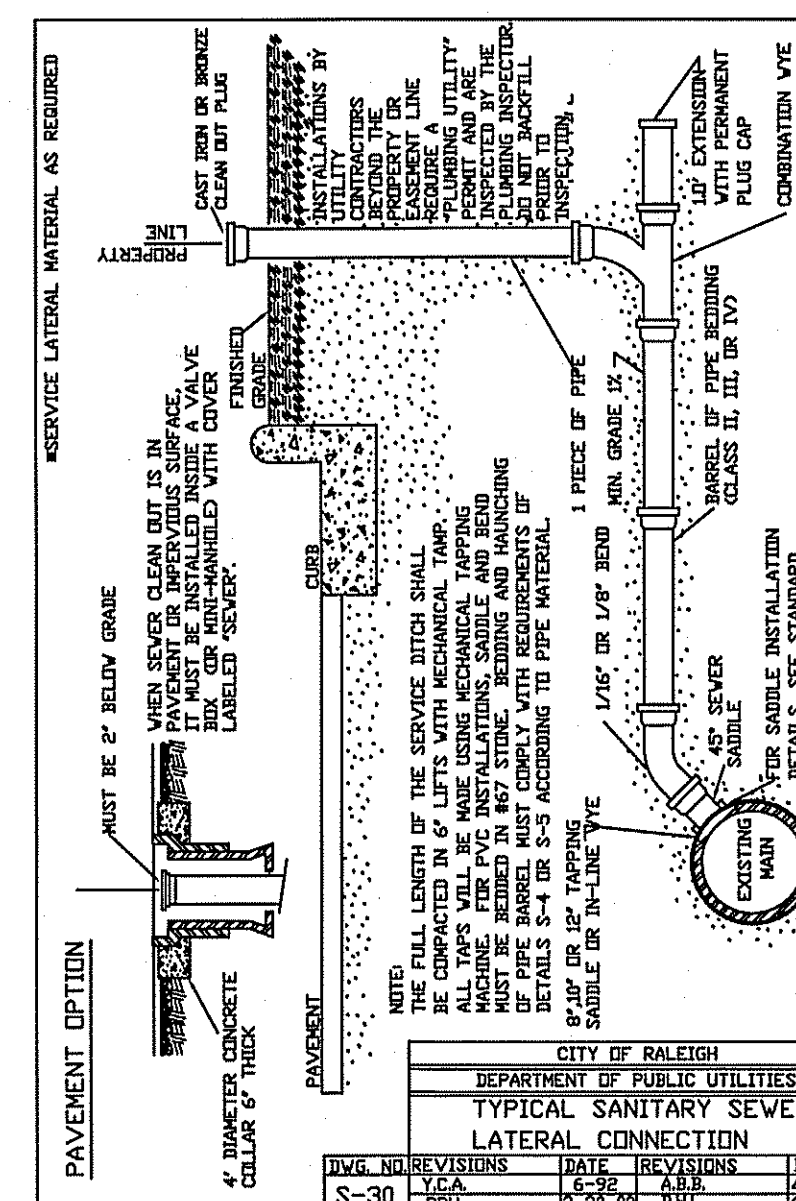
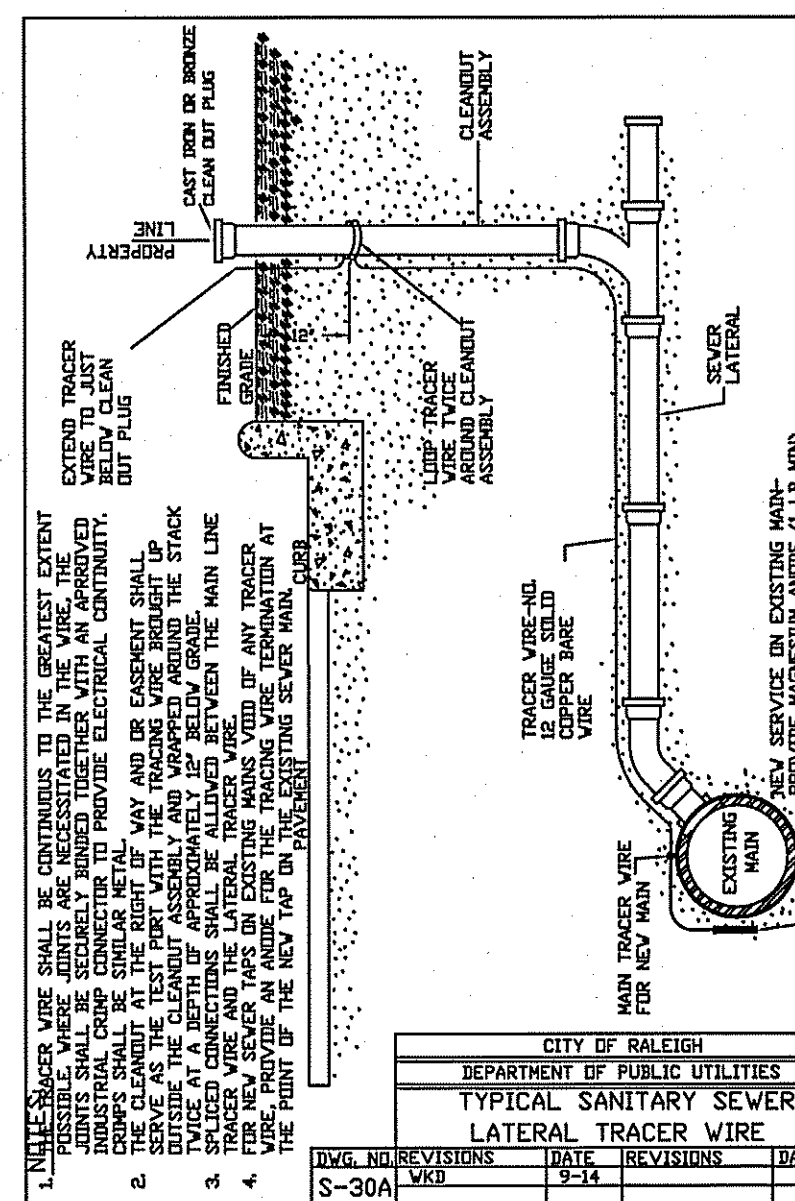
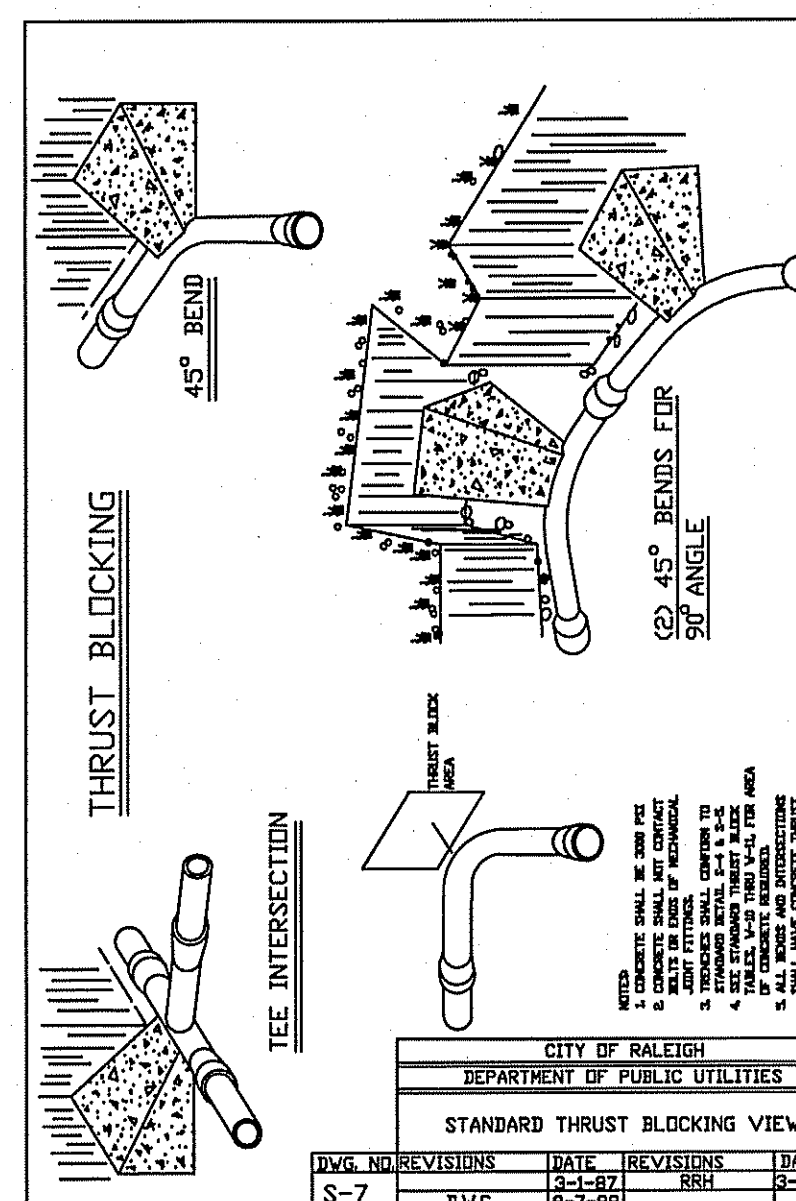
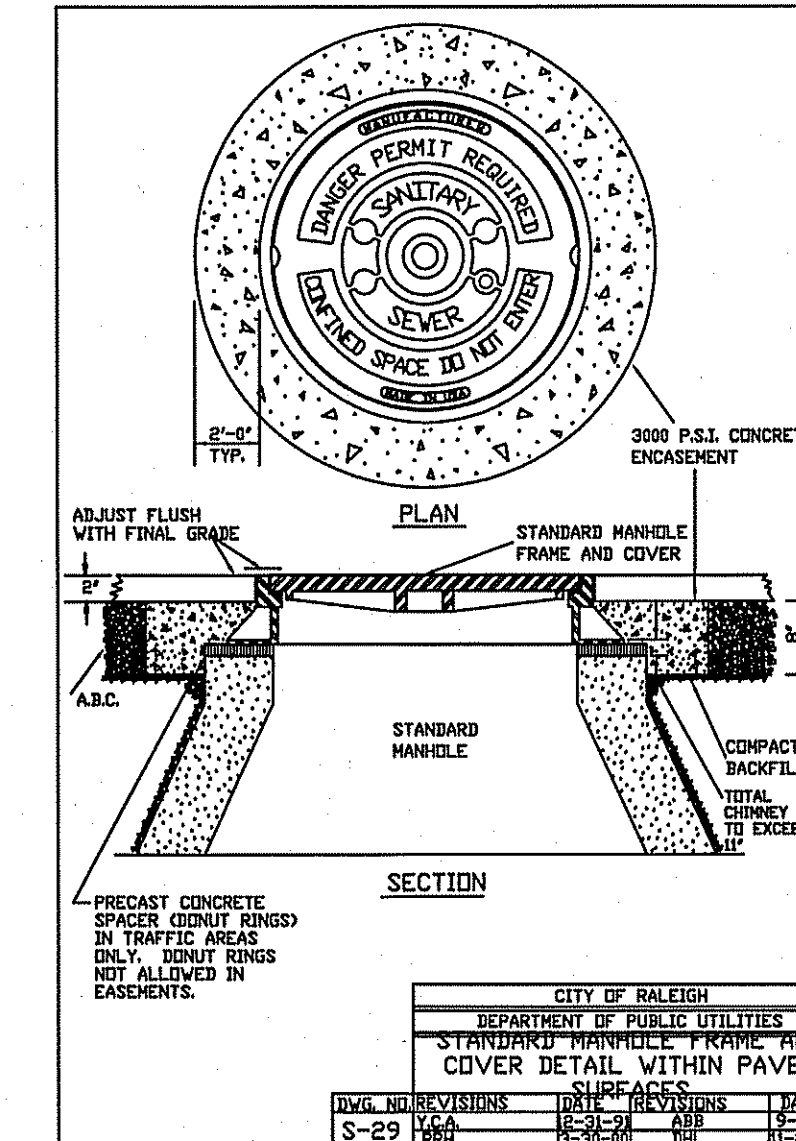
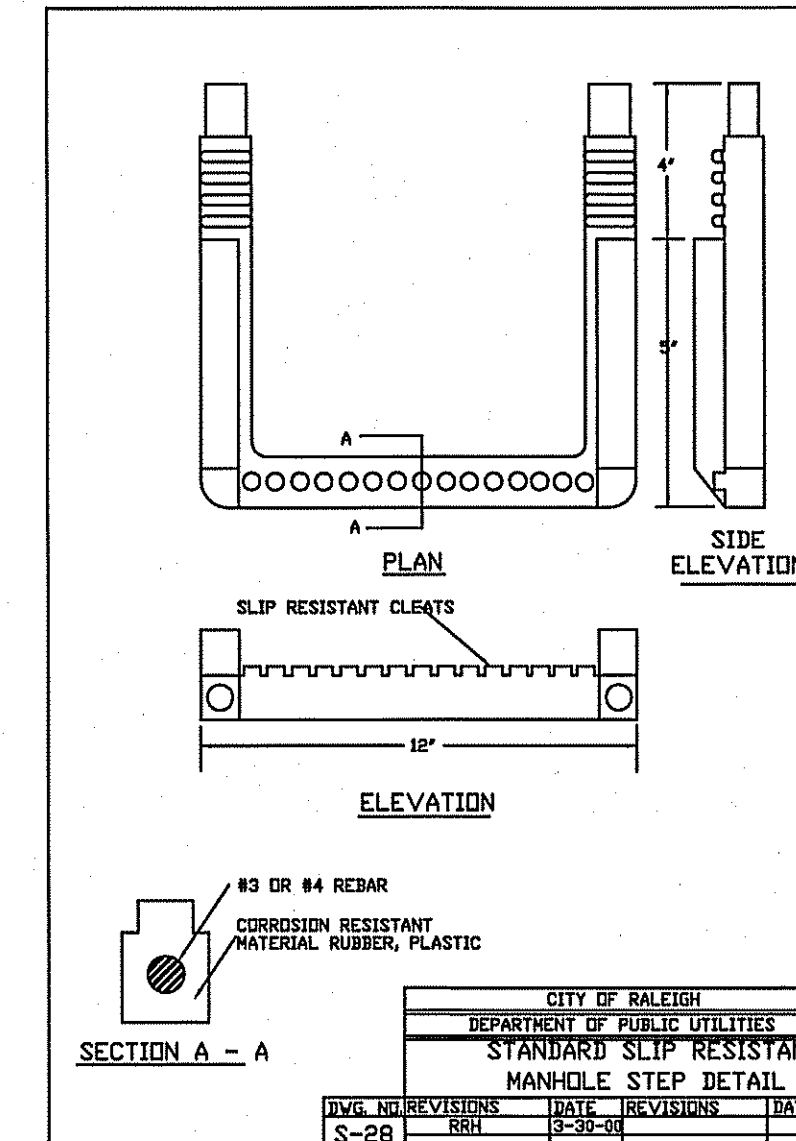
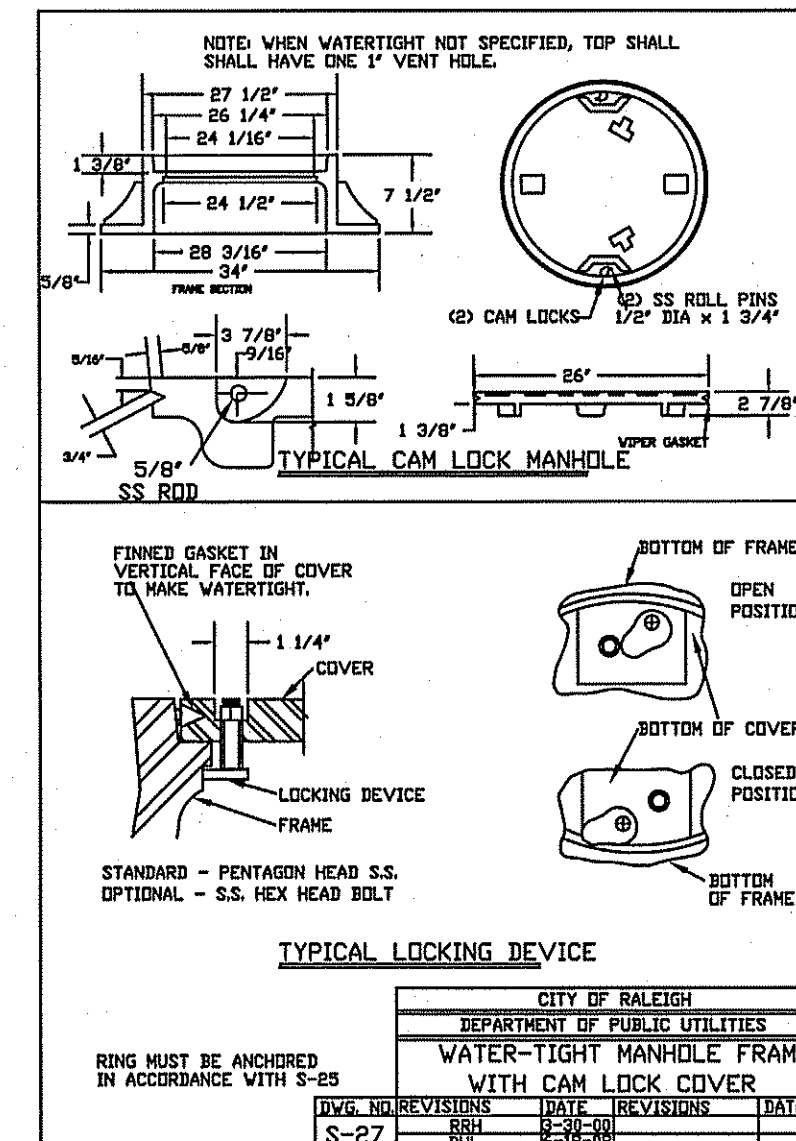
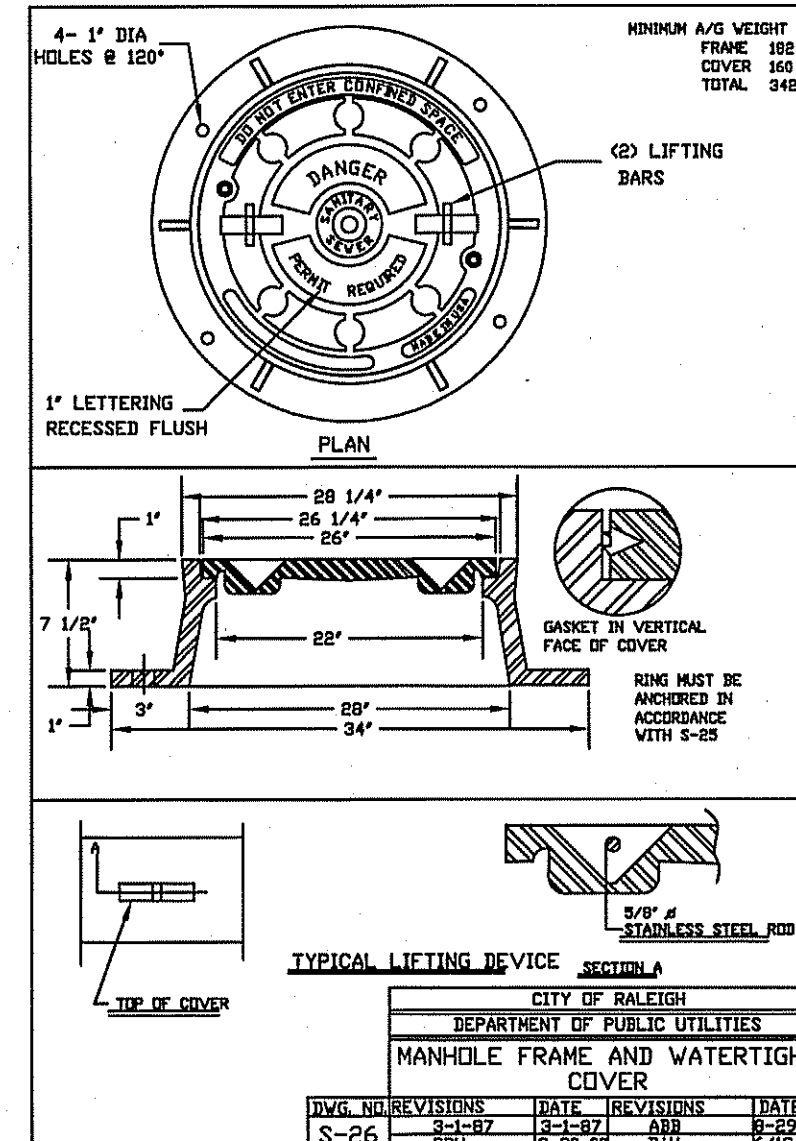
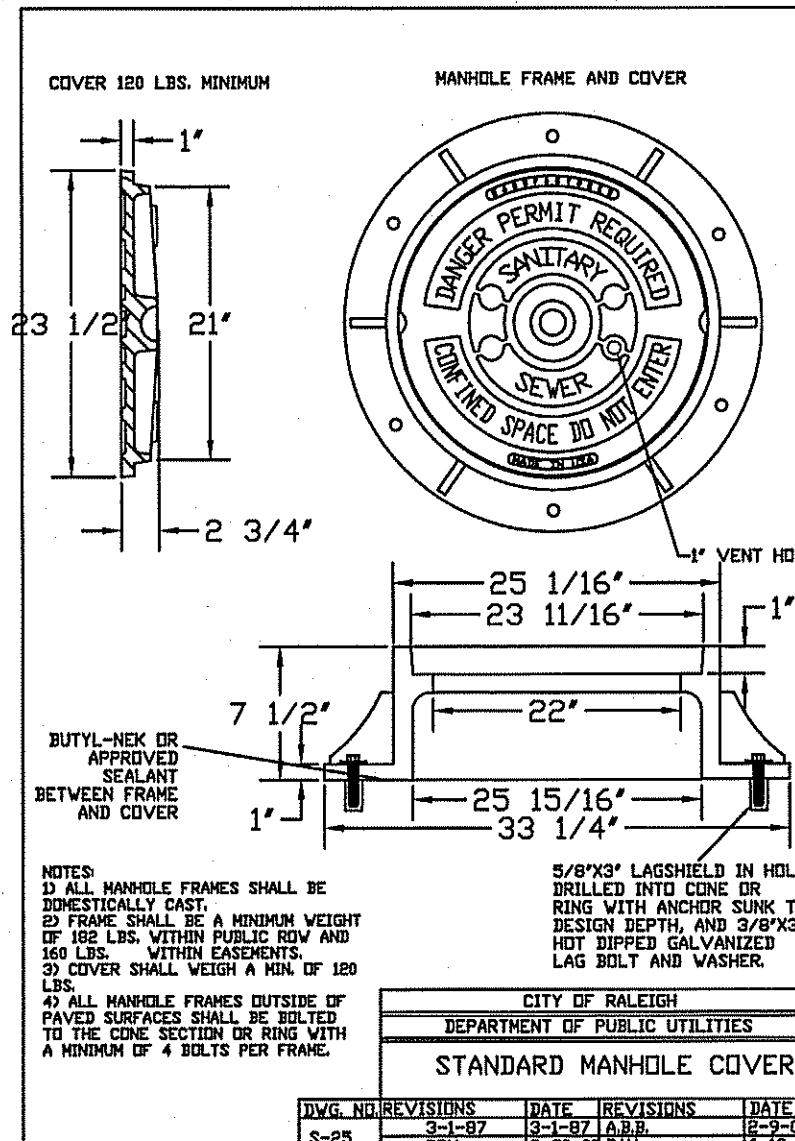
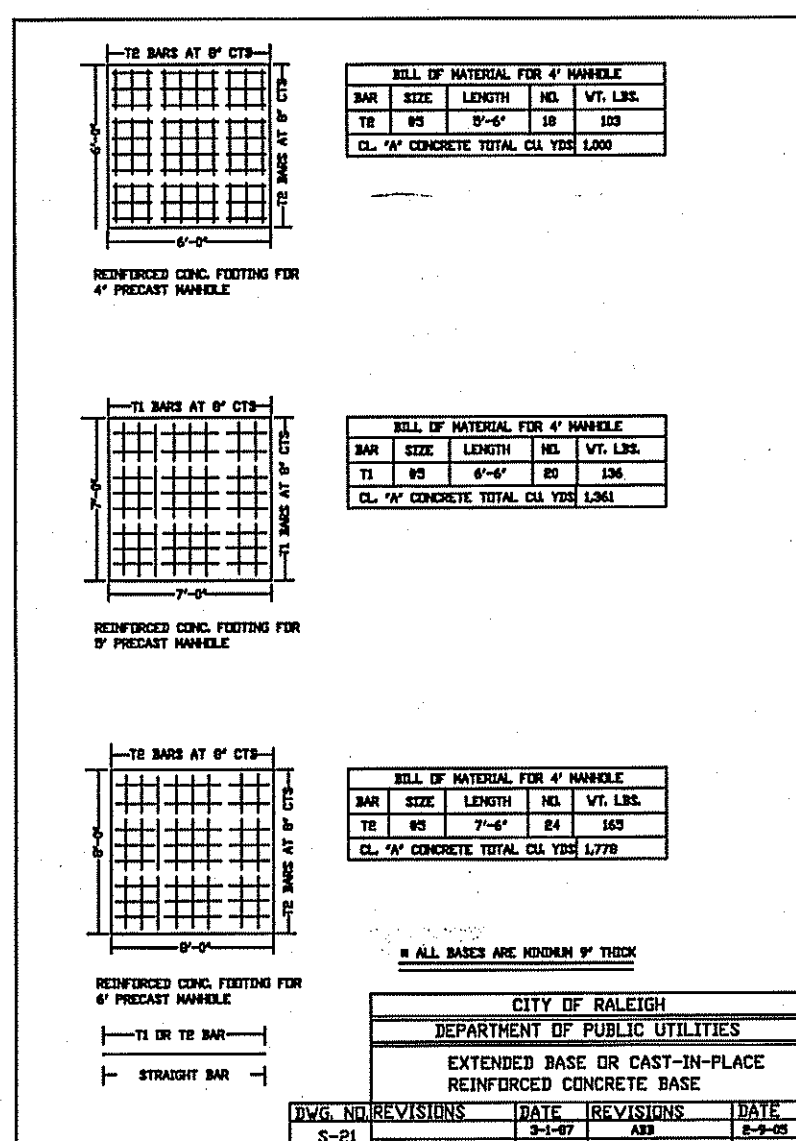
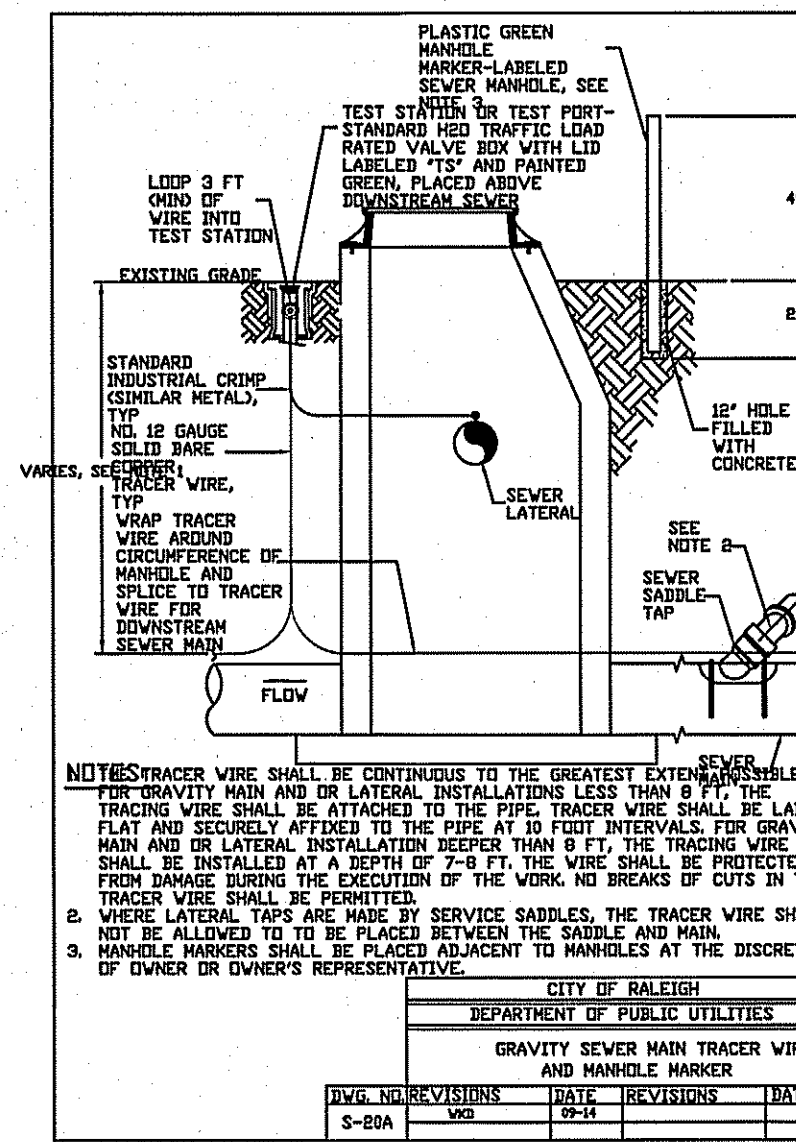
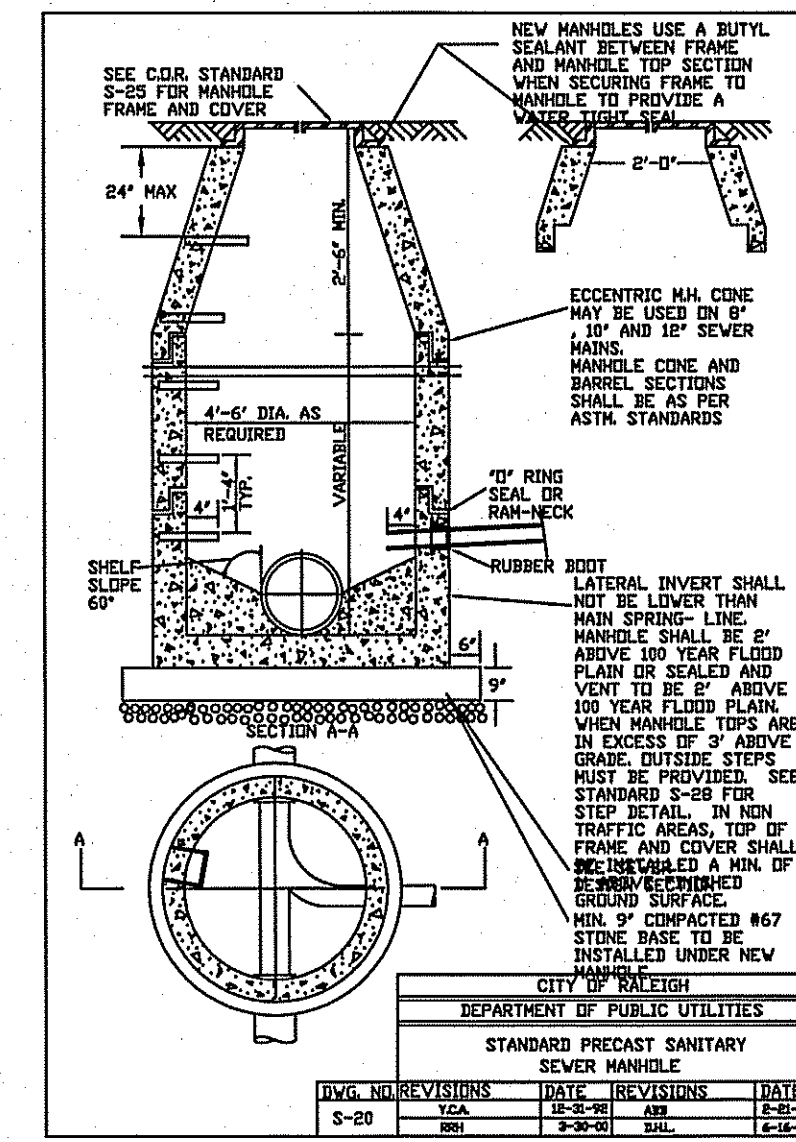
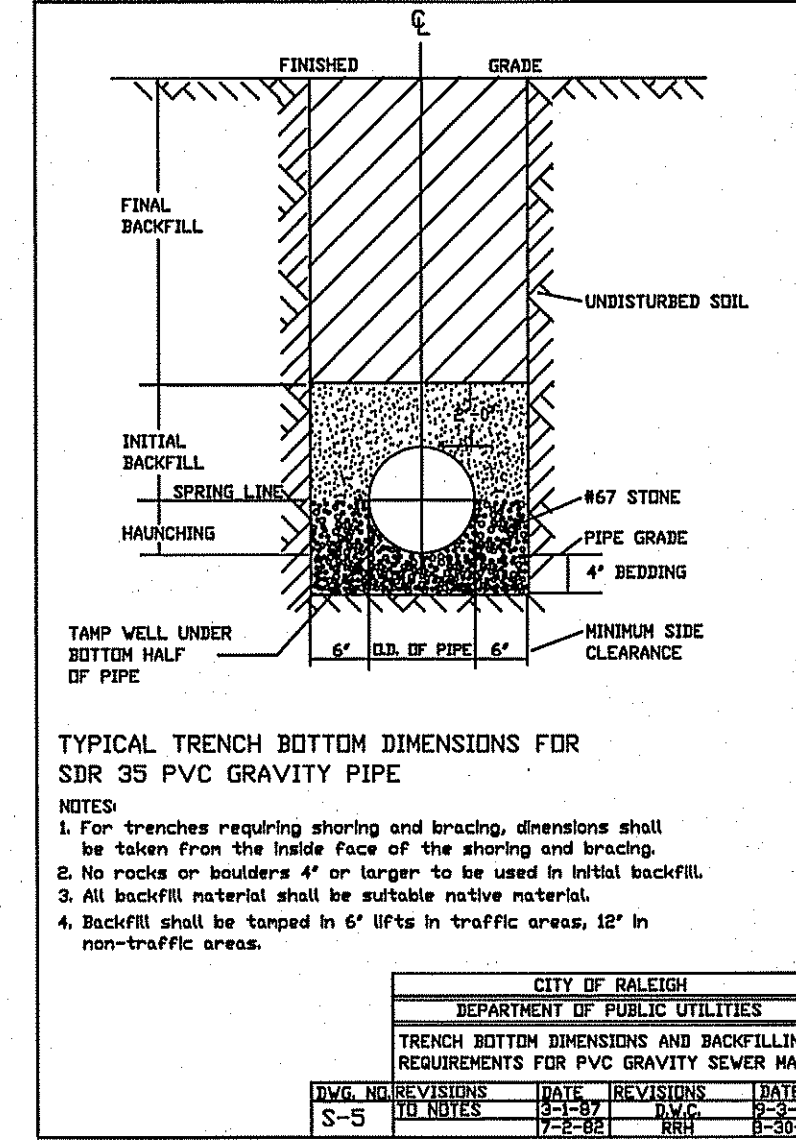
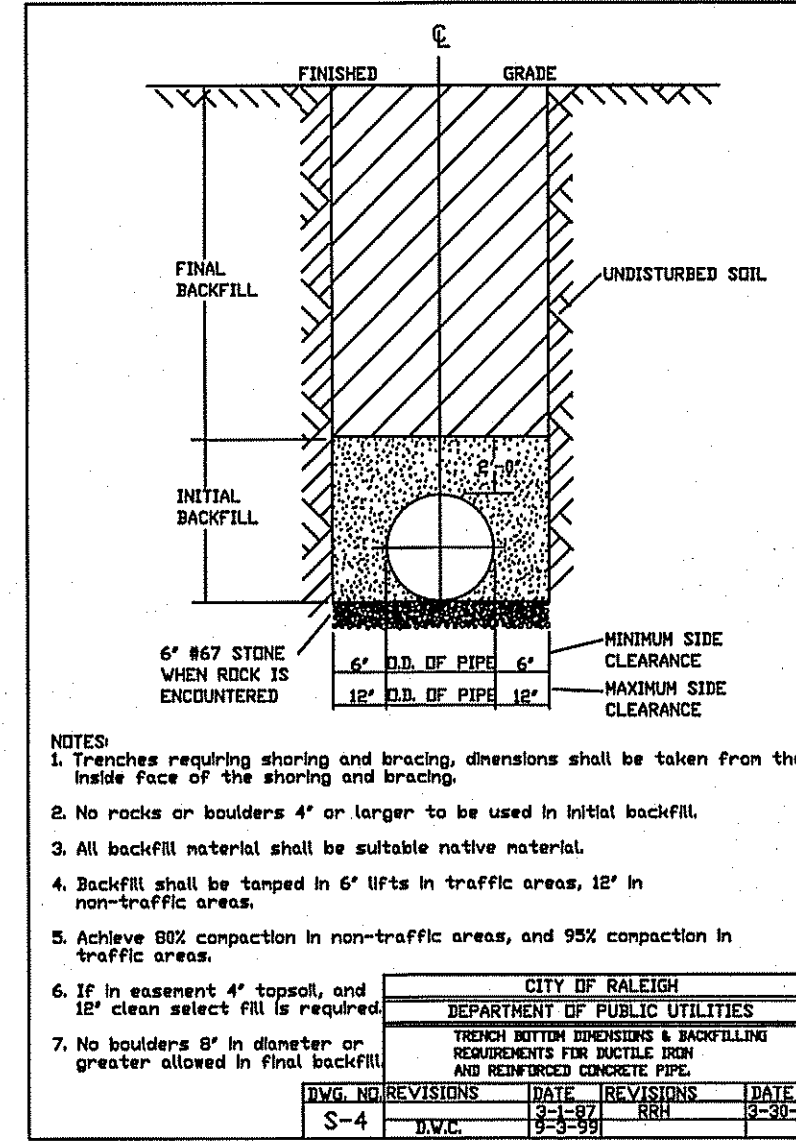
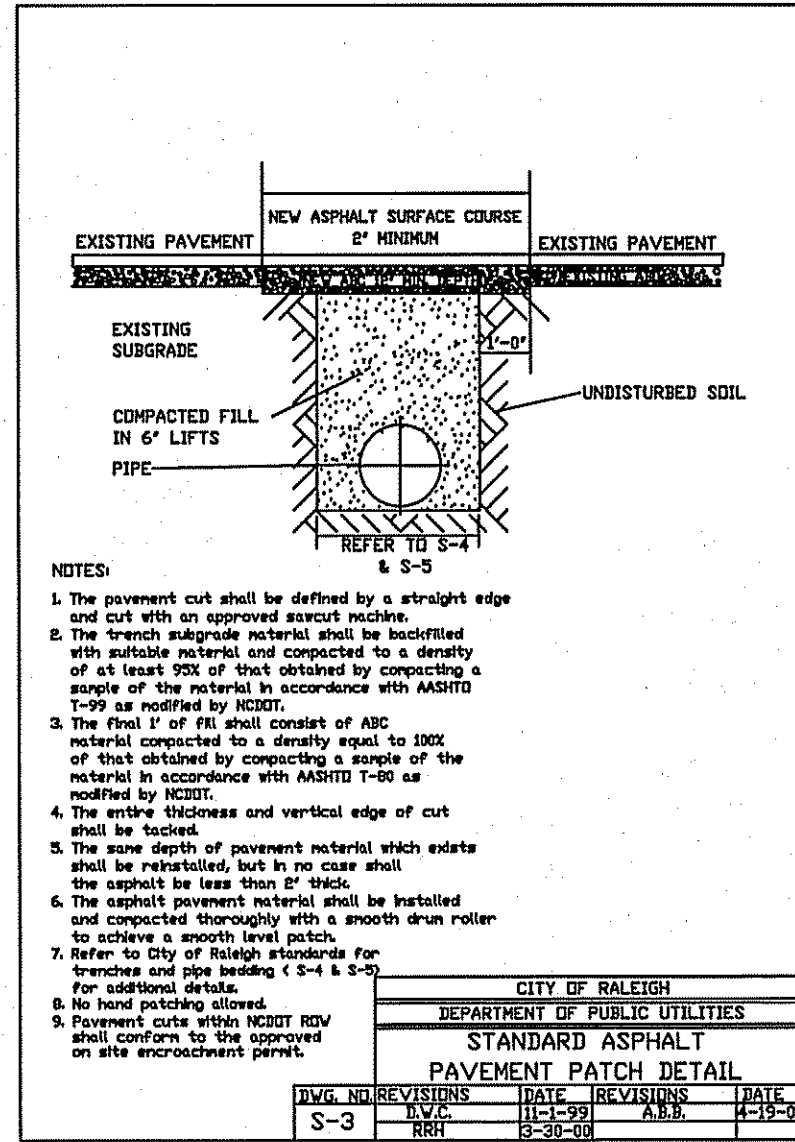
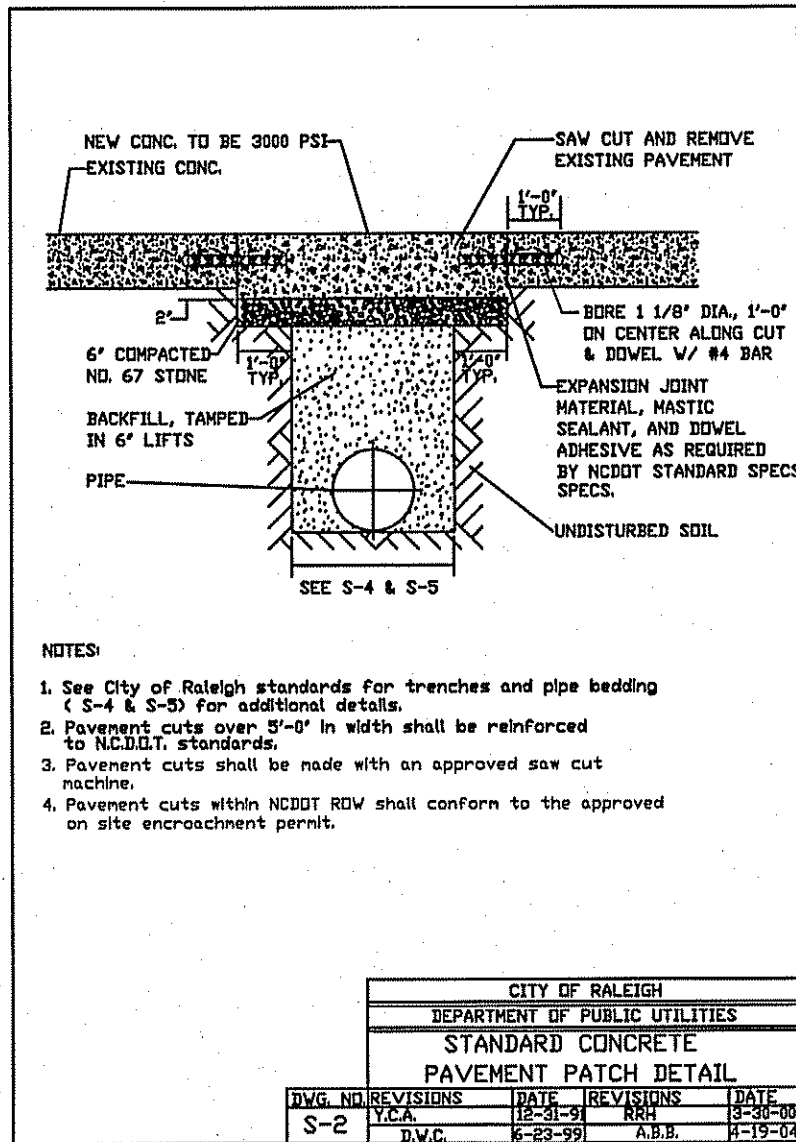
DATE: APRIL 27, 2017

REVISION: 06/12/17 WC COMMENTS

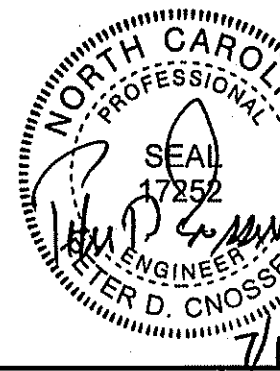
SHEET: 11

PROJECT: 1304

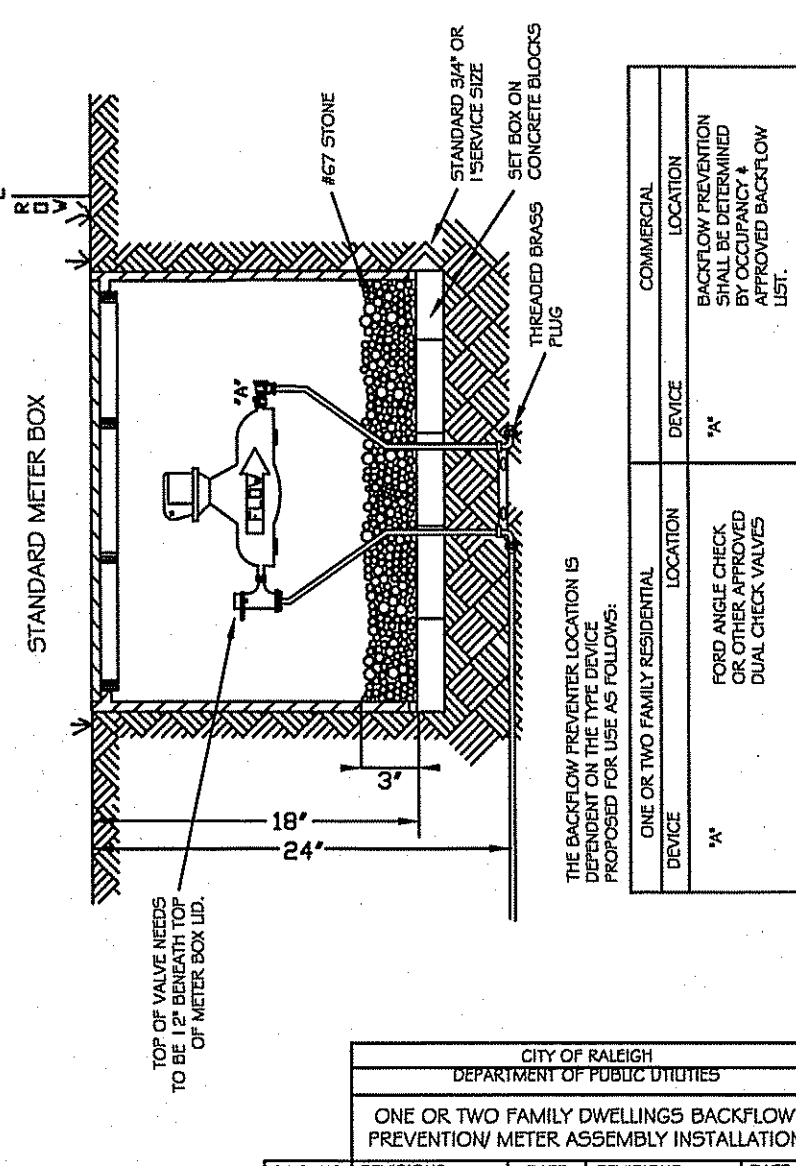
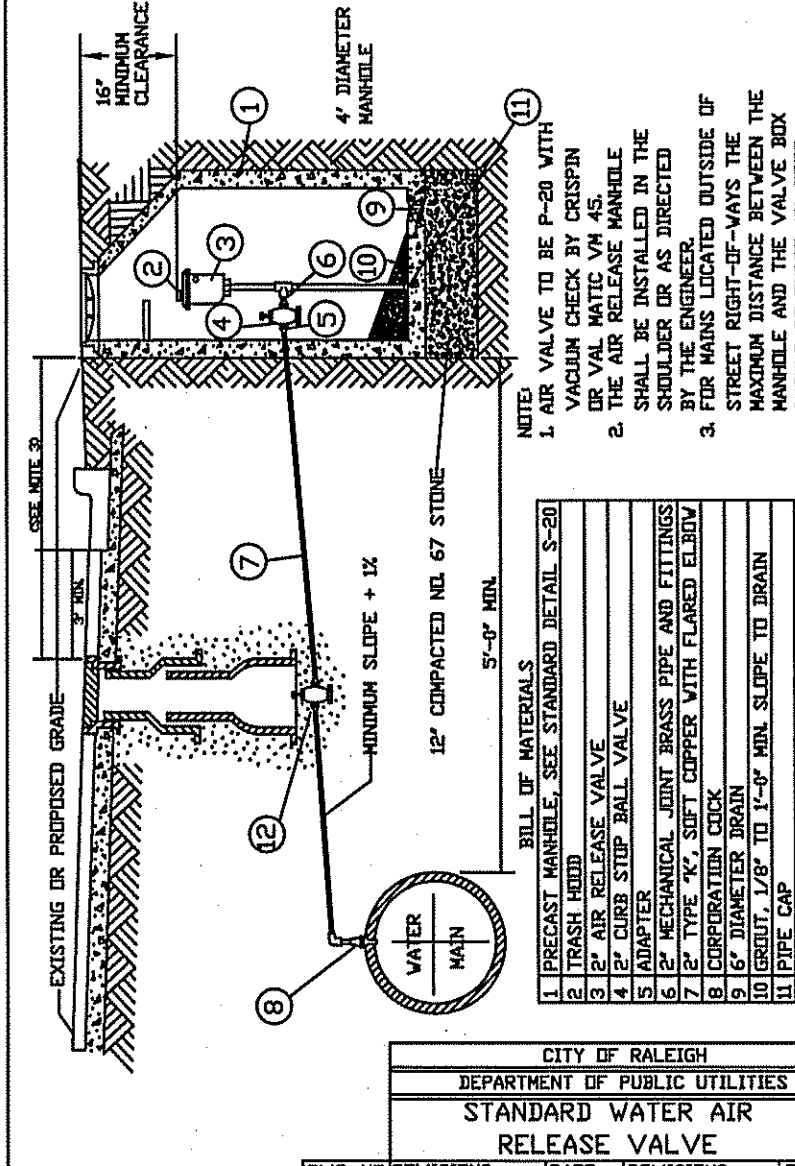
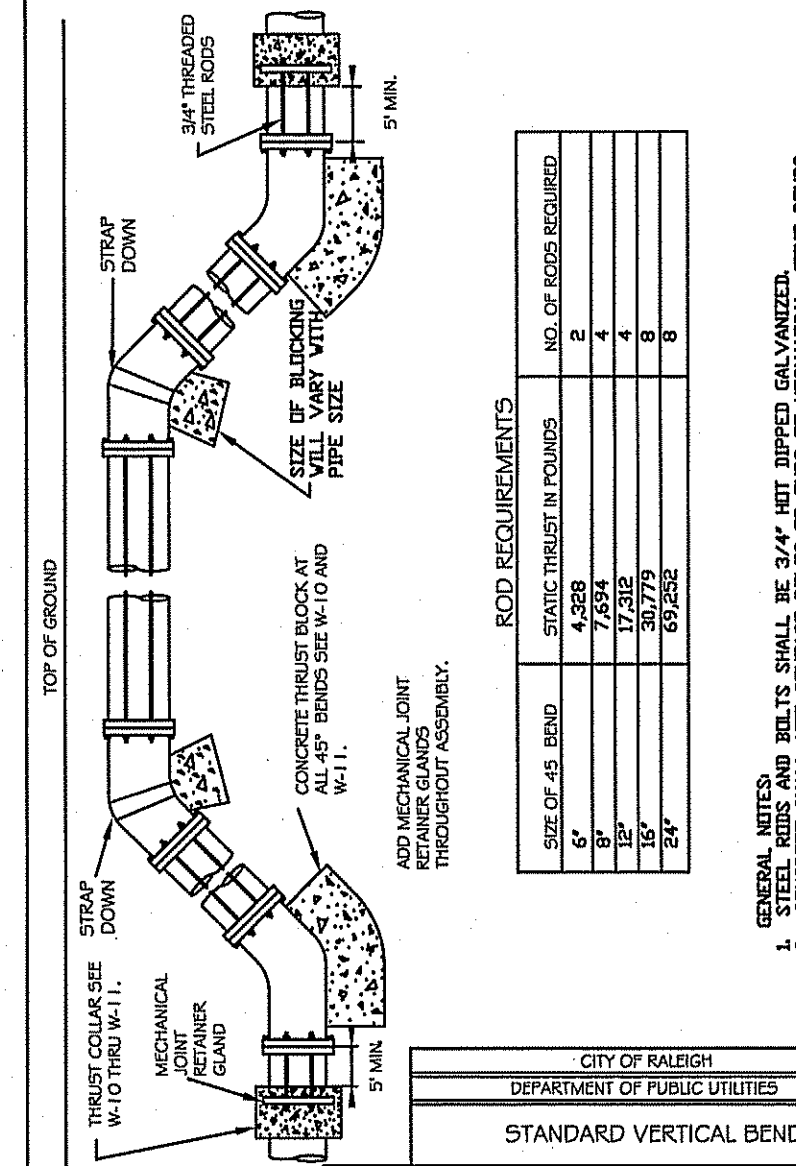
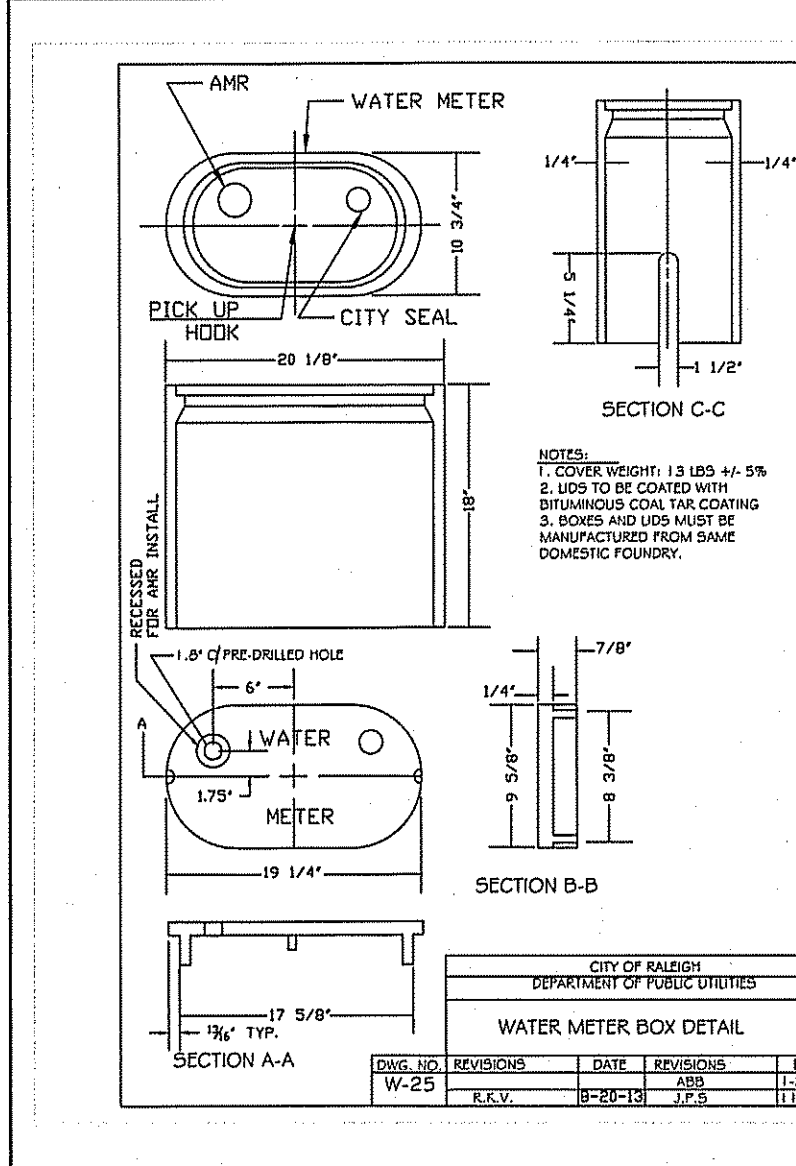
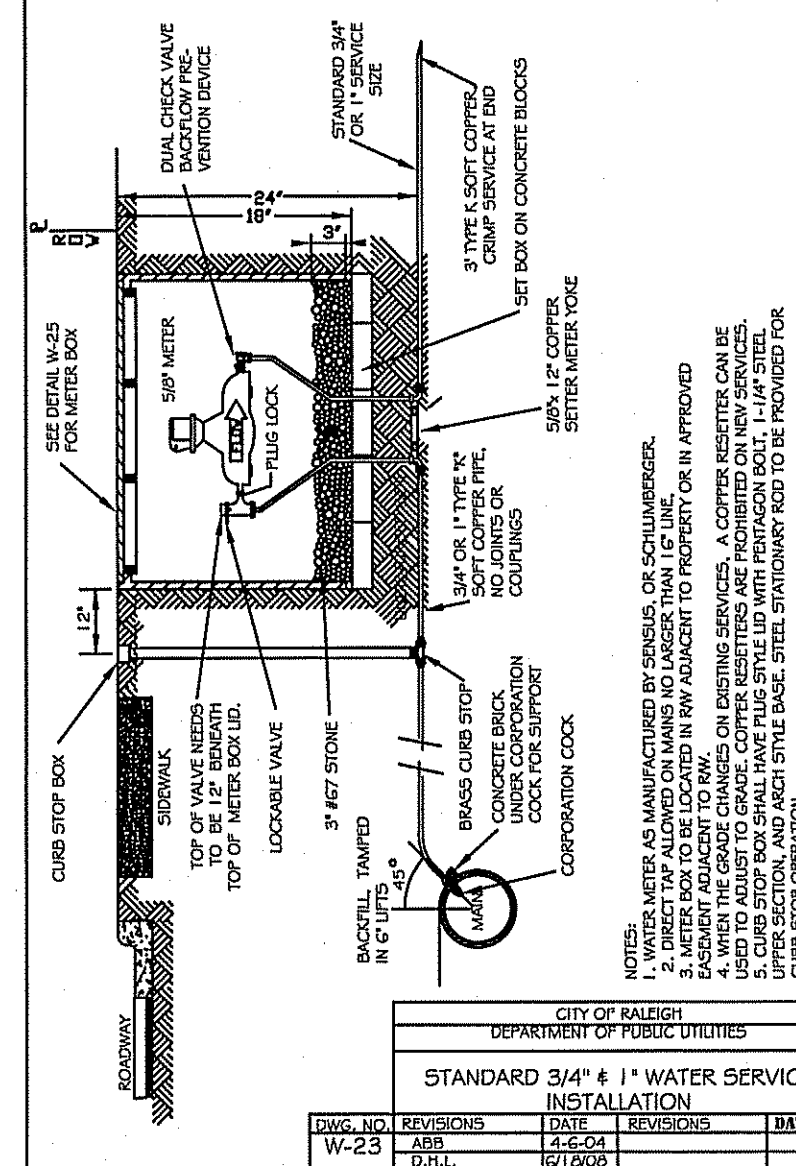
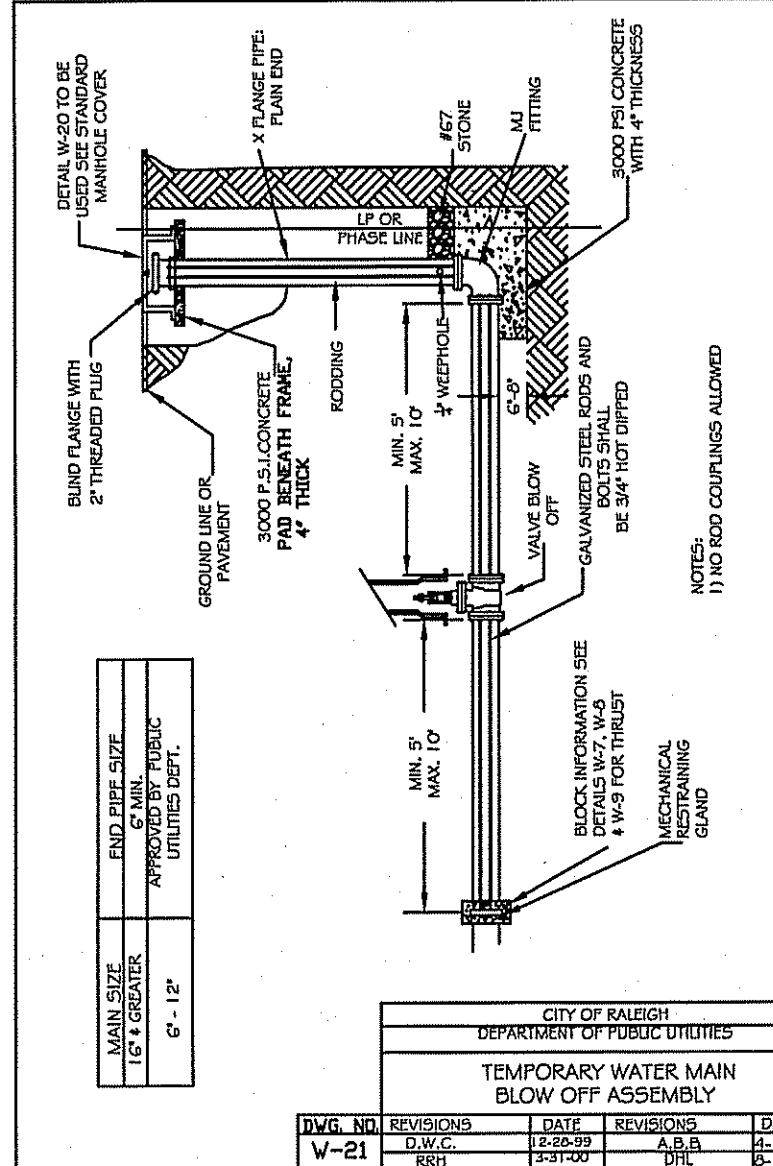
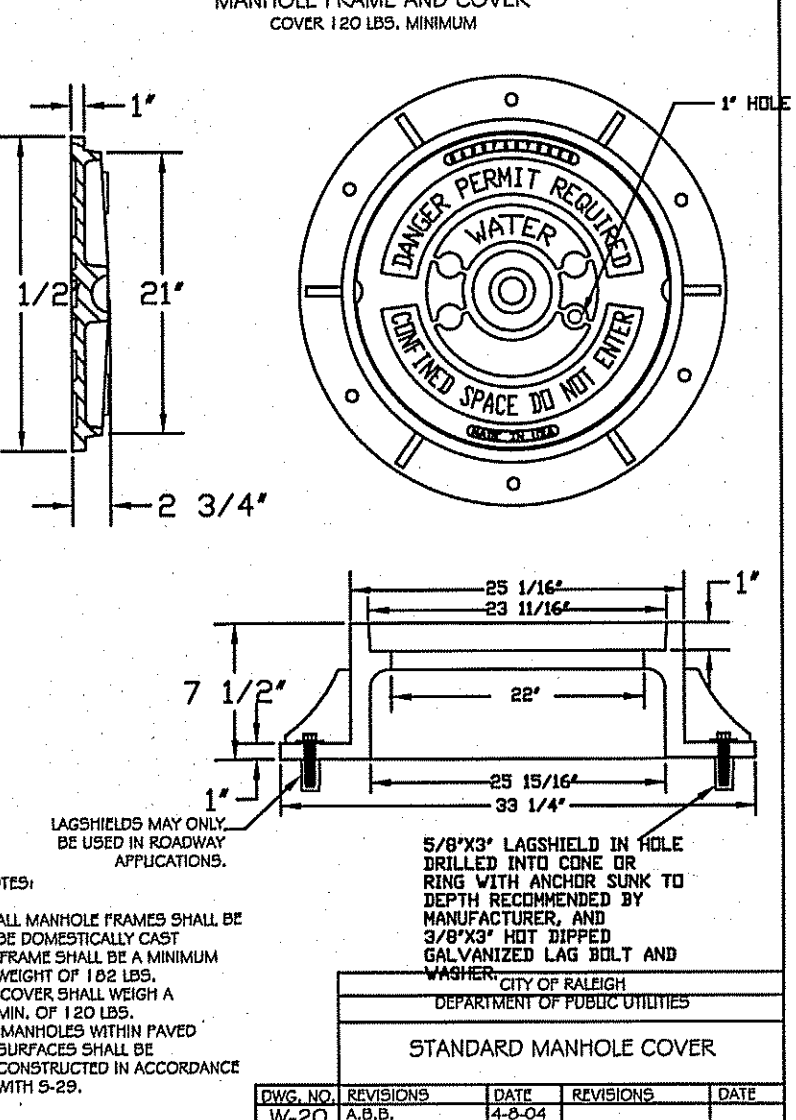
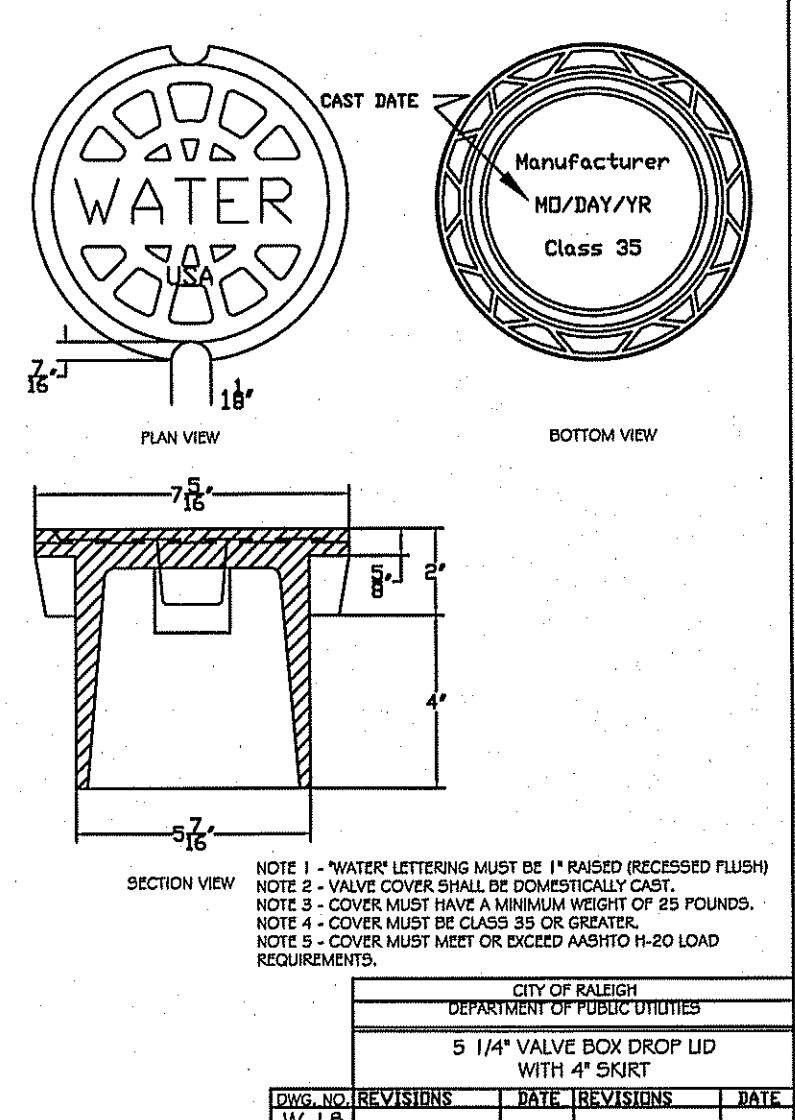
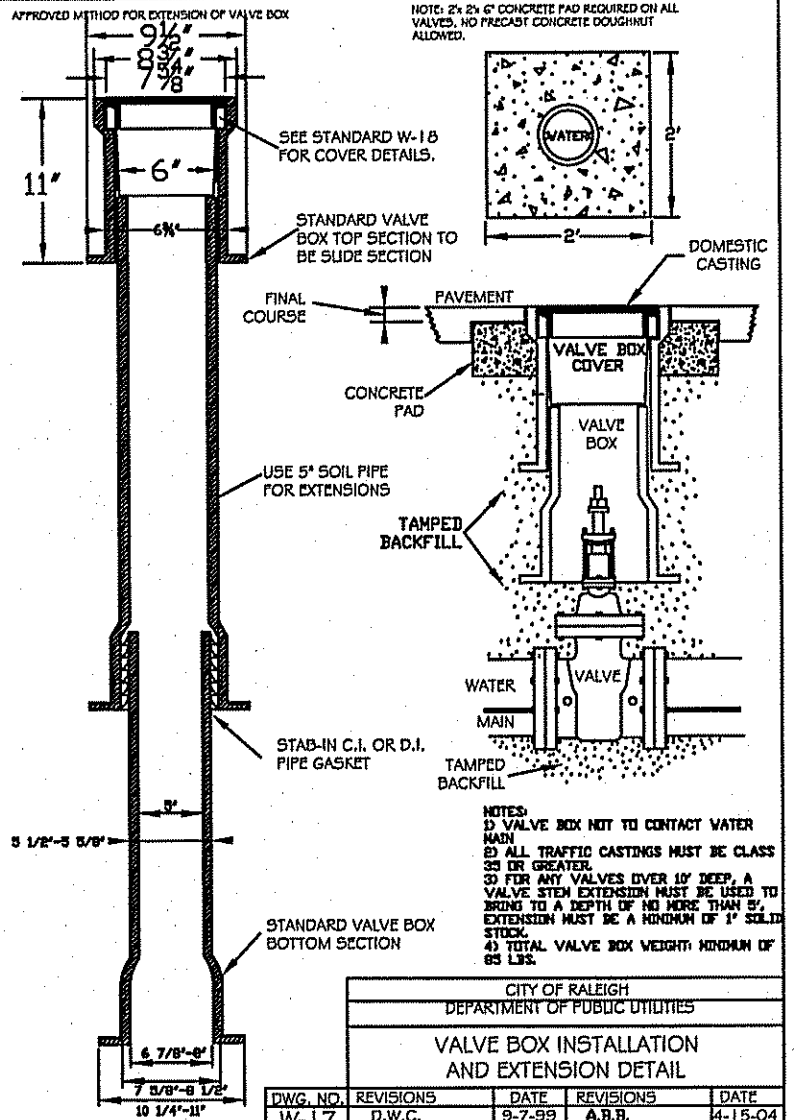
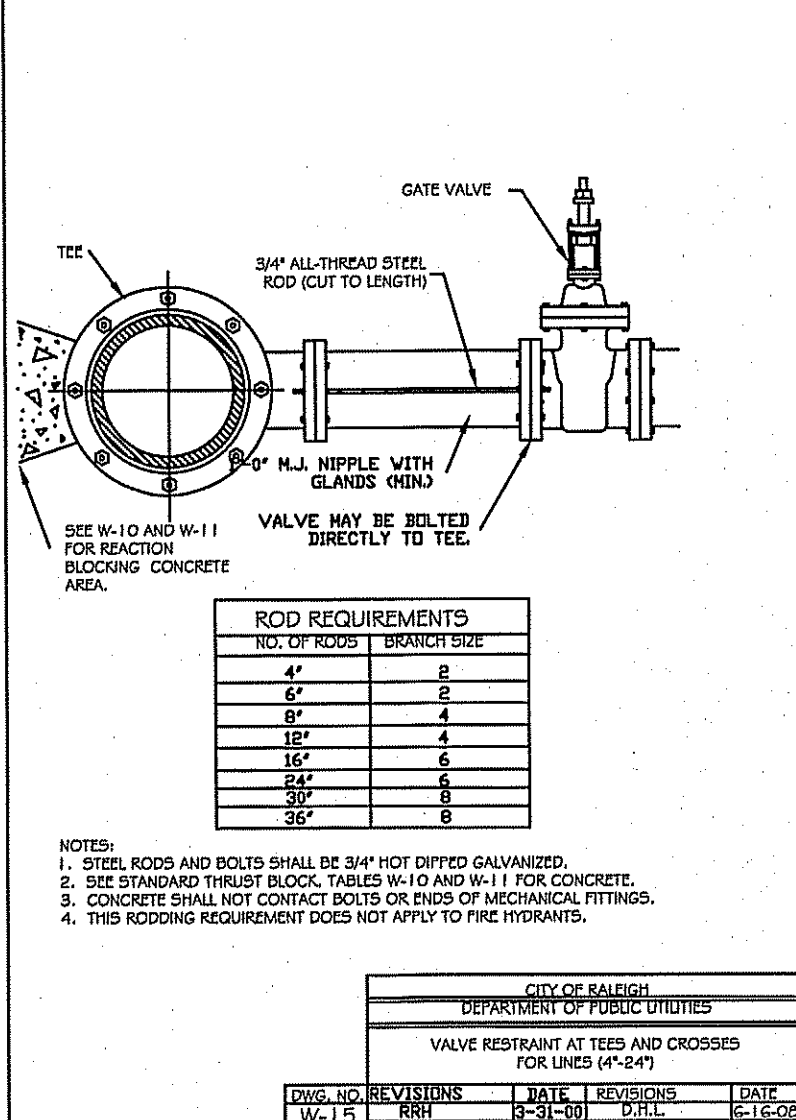
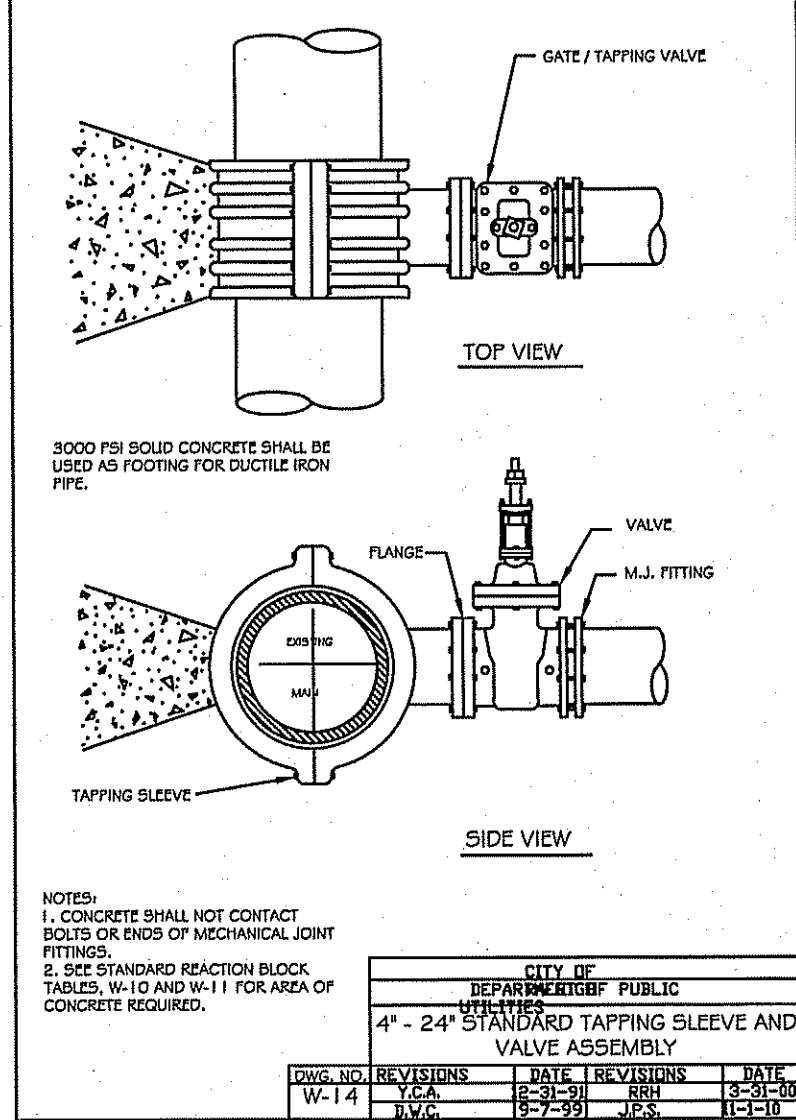




ALL SEWER AND WATER UTILITY CONSTRUCTION AND MATERIALS SHALL CONFORM TO CITY OF RALEIGH STANDARDS AND SPECIFICATIONS.

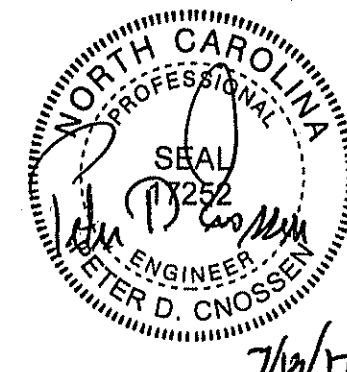


REACTION BEARING AREAS FOR HORIZONTAL WATER PIPE BENDS BASED ON TEST PRESSURE OF 800 P.S.I.									
ALL ANGLES GIVEN IN SQUARE FEET									
SIZE OF BEND	1/4"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	3"	4"
1/4"	1.188	1	1	1	1	1	2	1	
1/2"	2.207	1	2	2	1	1	3	1	
3/4"	4.288	2	3	3	1	1	6	5	1
1"	7.996	2	4	5	1	1	8	8	1
1 1/4"	9.655	2	3	4	1	1	2	6	1
1 1/2"	1.070	1	1	2	1	1	1	2	1
2"	3.928	1	2	3	1	1	1	4	1
3"	7.694	2	4	5	1	1	2	8	1
4"	14.215	4	8	9	2	2	4	15	2
PLUG	16.053	3	5	6	8	3	10	1	
1 1/4"	4.433	2	3	3	1	1	2	5	1
1 1/2"	8.856	3	5	6	2	2	3	9	1
2"	17.312	5	9	11	3	3	5	18	2
3"	31.969	8	16	19	4	4	8	32	4
PLUG	29.619	6	15	14	3	3	6	23	3
1 1/4"	7.881	2	4	5	1	1	2	8	1
1 1/2"	15.591	4	8	10	2	2	4	16	2
2"	30.779	8	16	19	4	4	8	32	4
3"	56.861	15	29	35	8	8	15	57	6
PLUG	48.213	10	21	25	5	5	10	41	5



STONEWATER SUBDIVISION PHASE 4 CONSTRUCTION DRAWINGS

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Registration: P-0151
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ALL SEWER AND WATER RALEIGH CONSTRUCTION AND MATERIALS SHALL CONFORM TO CITY OF RALEIGH STANDARDS AND SPECIFICATIONS.