

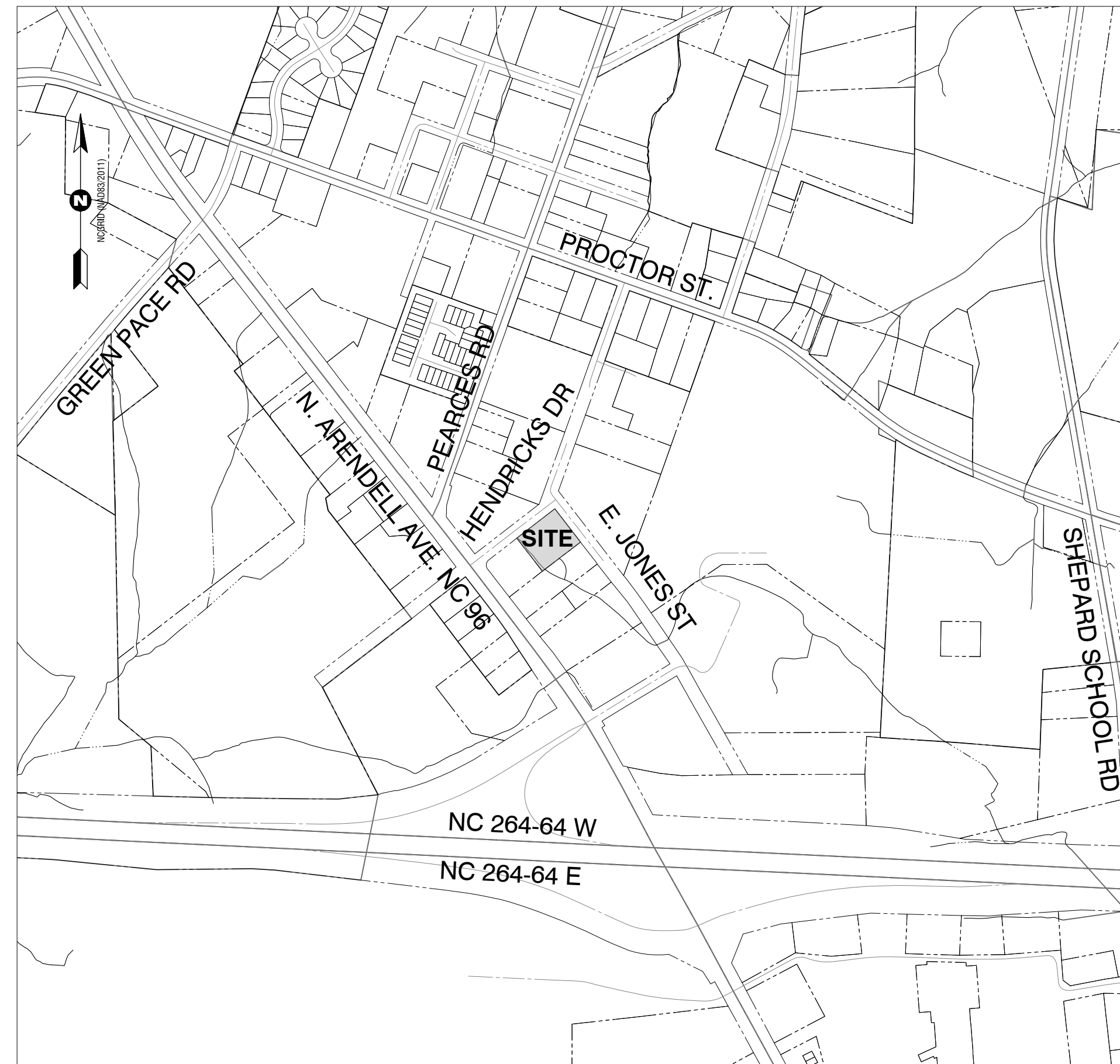
DOMINO'S ZEBULON



DOMINO'S
STORE #5576

CONSTRUCTION DRAWINGS ZEBULON, WAKE COUNTY, NORTH CAROLINA

PROJECT INFO:	DOMINO'S ZEBULON 1000 HENDRICKS DR
MUNICIPALITY:	TOWN OF ZEBULON
NC PIN:	27-0600-0772
DEED REFERENCE:	DB 1924 PG 353 BM 2006 PG 2692
LOT AREA:	0.91 ACRES
OWNER:	JTSI INC 9107 S TRYON ST STE F CHARLOTTE NC 28273-3125
ZONING:	HC- Heavy Commercial
ADJACENT ZONING:	HC- Heavy Commercial
PROPOSED USE:	RESTAURANT
PROPOSED GROSS FLOOR AREA:	2,428 SF
BUILDING HEIGHT:	N/A
IMPERVIOUS AREAS	
LOT AREA:	39,770 SF
EXISTING IMPERVIOUS:	0 SF
BUILDING (ROOF):	2,540 SF
ASPHALT AND C&G	16,502 SF
5' GRAVEL TRAIL:	0 SF
CONCRETE:	1,389 SF
TOTAL IMPERVIOUS:	20,411 SF
LOT COVERAGE:	51.3%
SETBACKS	Minimum
FRONT	30 ft
SIDE	30 ft (10ft Parking Area Setback)
REAR	25 ft (10ft Parking Area Setback)
BUFFERYARD	Minimum / Notes
	10' wide evergreen bufferyard per Town of Zebulon, NC Land Development Ordinance
PARKING SUMMARY	
REQUIRED:	N/A
PROVIDED:	2 HC 20-TOTAL 22



VICINITY MAP
1" = 500'

Sheet Number	Sheet Title
C1.01	COVER
C1.02	RECORDED PLAT SURVEY
C1.03	EXISTING CONDITION DEMOLITION PLAN
C2.01	SITE PLAN
C2.10	SITE DETAILS
C2.11	SITE DETAILS
C3.01	UTILITY PLAN
C3.10	UTILITY DETAILS
C3.11	UTILITY DETAILS
C4.01	STORMWATER AND GRADING PLAN
C4.10	STORM DETAILS
C4.11	STORM DETAILS
L1.01	LANDSCAPE PLAN
L1.02	LANDSCAPE NOTES AND DETAILS

- CONTRACTOR MUST NOTIFY NORTH CAROLINA ONE-CALL CENTER, INC. (NC-811) AT LEAST 72 HOURS PRIOR TO THE START OF EXCAVATION TO HAVE ALL UNDERGROUND UTILITIES LOCATED PRIOR TO EXCAVATING OR TRENCHING.
- ELECTRIC AND TELEPHONE UTILITIES SHALL BE INSTALLED UNDERGROUND.
- ALL REQUIRED IMPROVEMENTS SHALL COMPLY WITH THE TOWN OF ZEBULON MANUAL OF STANDARD DESIGNS AND DETAILS AND THE MANUAL FOR THE DESIGN AND CONSTRUCTION OF WATER AND WASTEWATER SYSTEM EXTENSIONS FOR GREENVILLE UTILITIES COMMISSION.
- CONSTRUCTION PLAN APPROVAL FROM RALEIGH UTILITIES COMMISSION AND THE CITY OF RALEIGH SHALL BE OBTAINED PRIOR TO CONSTRUCTION OF ANY STREET, WATER, AND/OR SANITARY SEWER AND STORM DRAINAGE SYSTEMS.
- THIS SITE IS LOCATED IN A ZONE "X" (AREA DETERMINED TO BE OUTSIDE 0.2% ANNUAL CHANCE 100 YEAR FLOODPLAIN) AS IDENTIFIED BY FEMA FLOOD INSURANCE RATE MAP 3720270600K, EFFECTIVE JULY 7, 2022.
- EROSION CONTROL PLAN APPROVAL REQUIRED NOT REQUIRED LESS 1 ACRES
- STORMWATER MANAGEMENT PLAN APPROVAL REQUIRED NOT REQUIRED LESS 1 ACRES
- BUILDINGS MUST MEET ALL APPLICABLE BUILDING CODES. SITE SHALL MEET ALL RELATIVE NORTH CAROLINA ACCESSIBILITY CODE REQUIREMENTS.
- NC DOT AND TOWN OF ZEBULON DRIVEWAY PERMITS ARE NOT REQUIRED.
- ANY UNUSED DRIVEWAY SHALL BE CLOSED IN ACCORDANCE WITH TOWN OF ZEBULON DRIVEWAY ORDINANCE.
- REFUSE COLLECTION SHALL BE PROVIDED BY PRIVATE CONTRACTOR.
- ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
- APPROVAL OF SITE PLAN DOES NOT CONSTITUTE APPROVAL OF SIGNS. SEPARATE SIGN PERMITS ARE REQUIRED.
- CONTRACTOR SHALL NOTIFY PUBLIC WORKS STREET MAINTENANCE DIVISION 48 HOURS PRIOR TO MAKING CONNECTIONS TO EXISTING STORM DRAINS LOCATED WITHIN PUBLIC STORM DRAINAGE EASEMENTS OR R/W.
- ACCESS TO PUBLIC UTILITIES MUST BE MADE AVAILABLE AT ALL TIMES.
- ZEBULON ELECTRIC EASEMENT IS 10' IN WIDTH AND CENTERED OVER ELECTRIC LINES AS INSTALLED.
- NO BUILDINGS, STRUCTURES OR OTHER IMPROVEMENTS, MATERIALS AND SURFACES, INCLUDING BUT NOT LIMITED TO PRINCIPLE AND ACCESSORY STRUCTURES AND ADDITIONS AND APPURTENANCES THERETO, SIGNAGE, FENCES, WALLS, MECHANICAL EQUIPMENT, CANOPIES, ANTENNAS, MASTS, DEBRIS, SOLID WASTE COLLECTION CONTAINERS, MAIL RECEPTACLES AND IMPERVIOUS SURFACES SHALL ENCRoACH WITHIN ANY DEDICATED EASEMENT WITHOUT PRIOR APPROVAL OF RALEIGH UTILITIES OR CITY OF RALEIGH, AS APPROPRIATE.
- THIS SITE DOES NOT REQUIRE ANNEXATION UPON APPROVAL OF SITE PLAN.
- LANE CLOSURES ON THOROUGHFARE ROADS ARE ONLY PERMITTED BETWEEN THE HOURS OF 9:00AM AND 4:00PM, MONDAY THROUGH FRIDAY, UNLESS OTHERWISE PERMITTED BY THE TRAFFIC ENGINEER IN ADDITION, THERE WILL BE NO LANE CLOSURES ON HOLIDAYS INCLUDING THE DAY BEFORE OR AFTER SAID HOLIDAY. A TRAFFIC CONTROL PLAN PREPARED IN ACCORDANCE WITH THE NCDOT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES IS REQUIRED FOR ALL LANE CLOSURES AND MUST BE APPROVED BY THE TRAFFIC ENGINEER.
- ALL SITE LIGHTING SHALL COMPLY WITH THE TOWN OF ZEBULON LIGHTING STANDARD.
- NEW BUILDINGS MUST COMPLY WITH NC FIRE CODE SECTION 510-EMERGENCY RESPONDER RADIO COVERAGE.
- PLEASE BE ADVISED OF THE RULES WHICH PROTECT AND MAINTAIN EXISTING BUFFERS ALONG WATERCOURSES IN THE NEUSE RIVER BASINS. THIS RULE IS ENFORCED BY THE DIVISION OF WATER QUALITY (DWQ). DIRECT ANY QUESTIONS ABOUT THE APPLICABILITY OF THIS RULE TO YOUR PROJECT TO ROGER THORPE, REGIONAL WATER QUALITY SUPERVISOR, WASHINGTON REGIONAL OFFICE, AT (919) 946-6481.

CIVIL ENGINEER

Rivers & Associates, Inc.
Greenville, NC



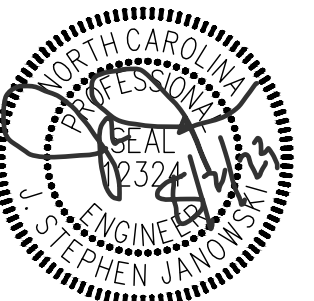
107 East Second Street
Greenville, NC 27858
(252) 752-4135

Contact: Steve Janowski, PE
sjanowski@riversandassociates.com

DEVELOPER/ARCHITECT



1900 Abbott Street / Suite 103
Charlotte, North Carolina 28203
704-335-1292
www.begarchitect.com



REVISIONS:

NO.	DESCRIPTION	DATE	BY
060123 <td>CONSTRUCTION DRAWINGS SUBMITTAL <td></td> <td></td> </td>	CONSTRUCTION DRAWINGS SUBMITTAL <td></td> <td></td>		

CONSTRUCTION DRAWINGS
DOMINO'S ZEBULON
 TOWN OF ZEBULON - WAKE COUNTY - NORTH CAROLINA
COVER

DATE: 07/05/2023

DESIGNED BY: JSJ/MS

DRAWN BY: MS

CHECKED BY: JSJ

PROJECT No. 2023018

DRAWING No. W-4081

SCALE: AS SHOWN

SHEET No.

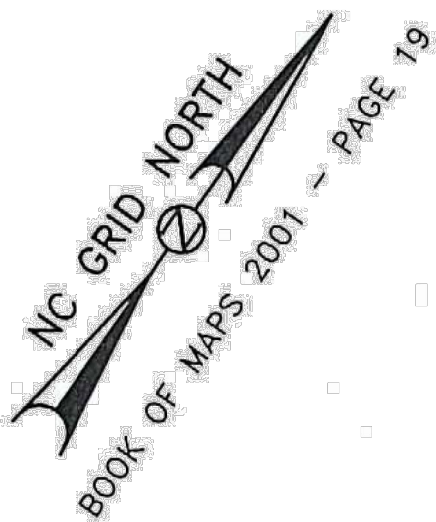
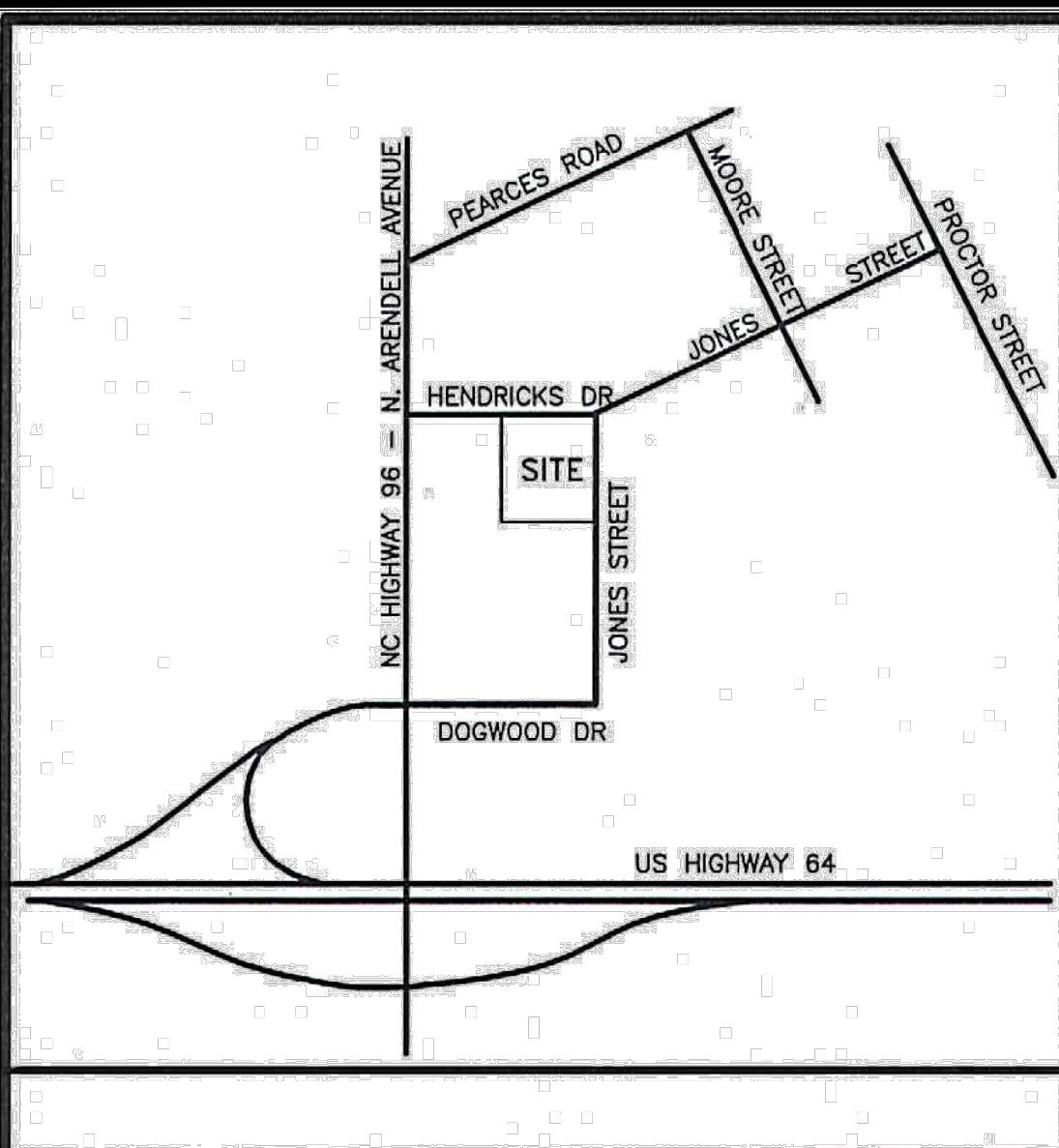
C1.01

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH
TOWN OF ZEBULON, NCDOT & NCDEQ
STANDARDS, SPECIFICATIONS AND DETAILS.



CALL BEFORE YOU DIG!
WWW.NC811.ORG
N.C. ONE-CALL CENTER
IT'S THE LAW.

NC License #48247
Rivers & Associates, Inc.
 riversandassociates.com Since 1918
 Six Forks Place, III, Ste. 230
 353 E. Six Forks Road
 Raleigh, NC 27609
 919.594.1626
 Engineers
 Planners
 Surveyors
 Landscape Architects



NOTE: BEING LOT 2 AS RECORDED IN BOOK OF MAPS 2006 PAGE 2692.

NOTE: PIN # 2706-00-6772

REFERENCE: DB 11560 PG 240
BOOK OF MAPS 2001 PG 19
BOOK OF MAPS 2006 PG 2692
DB 13097 PGS 2212-2214

NOTE: AREA COMPUTED BY COORDINATE METHOD.

NOTE: UTILITY LOCATIONS SHOWN ARE BASED ON VISIBLE EVIDENCE. THE LOCATIONS OF UNDERGROUND UTILITIES ARE TO BE FIELD VERIFIED BY CONTRACTOR.

NOTE: THIS PROPERTY IS SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD.

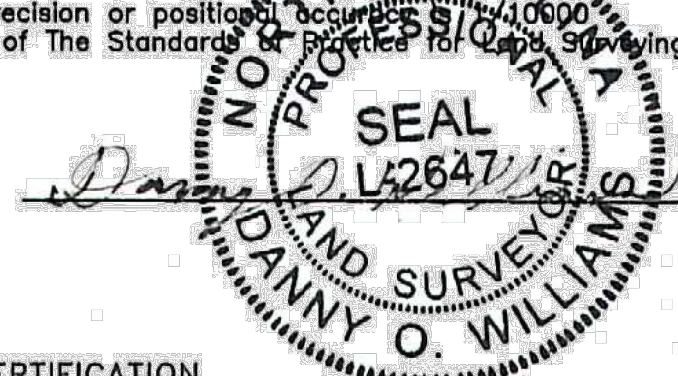
OWNER:
TONY & KATHY SMITH
P O BOX 1215
1000 HENDRICKS DR
ZEBULON, NC 27597

ZONED HC

MANHOLE # 3 TOP = 340.03' INV OUT = 335.31'	MANHOLE # 5 TOP = 343.07' INV IN = 331.87' INV OUT = 331.82'	MANHOLE # 7 TOP = 337.41' INV IN = 330.23' INV OUT = 330.18'
MANHOLE # 4 TOP = 338.65' INV IN = 332.76' INV OUT = 332.71'	MANHOLE # 6 TOP = 341.69' INV IN = 331.47' INV IN = 331.79' INV OUT = 331.45'	

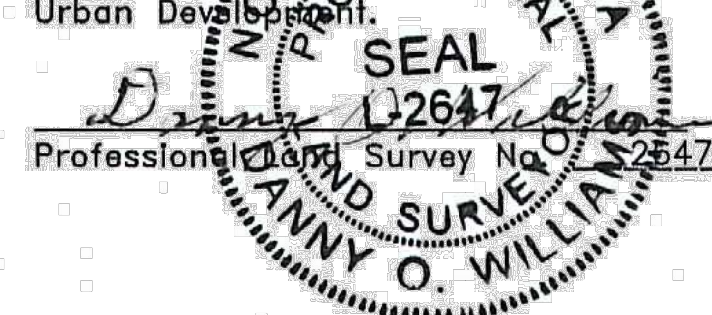
I, DANNY O. WILLIAMS, certify that this map was drawn under my supervision from an actual survey made under my supervision (as described in Book _____ Page _____) or other reference source BOM 2006 PG 2692; that the monument surveyed are indicated as drawn from information in Book _____ page _____ or other reference source BOM 2006 PG 2692; that the ratios of precision or positions are as shown on the drawing and that this map meets the requirements of The Standards for Professional Surveying in North Carolina (21 NCAC 56.1600).

This 6TH day of DECEMBER, 2022.
P. L. S. L-2647



FLOOD CERTIFICATION

I have examined the Flood Insurance Rate Map for WAKE County, NORTH CAROLINA Community Panel Number 3720270600K dated JULY 13, 2022, and hereby certify that this property is not located in a Special Flood Hazard Area as determined by the Department of Housing and Urban Development.



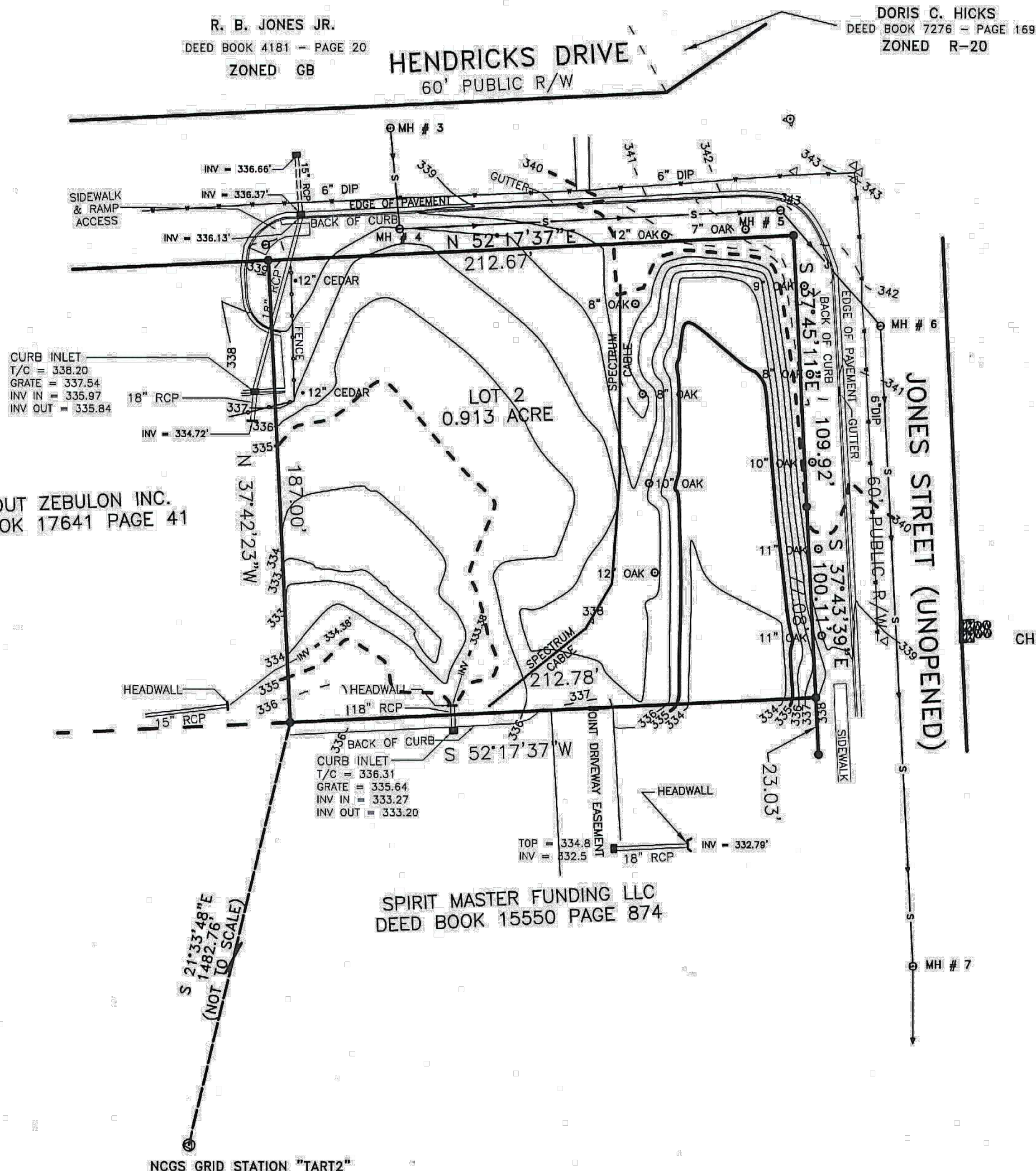
R. B. JONES JR.
DEED BOOK 4181 - PAGE 20
ZONED GB

DORIS C. HICKS
DEED BOOK 7276 - PAGE 169
ZONED R-20

COOK OUT ZEBULON INC.
DEED BOOK 17641 PAGE 41

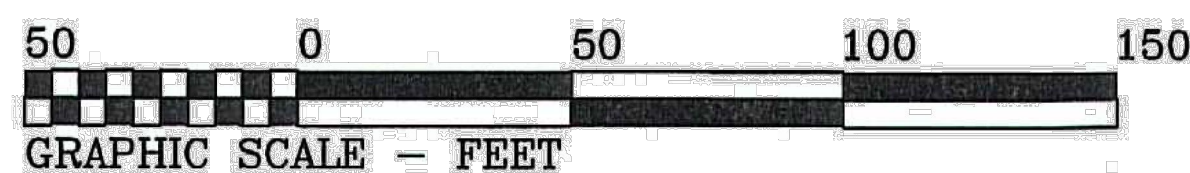
CHURCH OF JESUS CHRIST OF LDS
DEED BOOK 2843 - PAGE 659
ZONED R-20

SPIRIT MASTER FUNDING LLC
DEED BOOK 15550 PAGE 874



NCGS GRID STATION "TART2"
NAD '83 COORDINATES
N = 759210.122 FT.
E = 2201167.769 FT.

PROPERTY SURVEY FOR PIEDMONT PROPERTIES TOWN OF ZEBULON WAKE COUNTY NORTH CAROLINA



LEGEND

- = EXISTING IRON PIN
- ⊙ = NCGS GRID MONUMENT
- = MANHOLE
- △ = WATER VALVE
- ⊕ = FIRE HYDRANT
- S — = UNDERGROUND SANITARY SEWER
- ⊗ = WATER CUT OFF
- = CATCH BASIN / CURB INLET
- ⊠ = WATER METER
- W — = WATER LINE AS PAINTED BY: THE TOWN OF ZEBULON
- DIP = DUCTILE IRON PIPE

DRAWN BY: DOW & BGW

CHECKED BY: DOW

DATE: 12-06-2022

SCALE: 1" = 50'

JOB: SONIC\ZEBULON\LOT 2 TOPO.DWG
FB:



REVISIONS:	
NO.	DATE / BY

CONSTRUCTION DRAWINGS
DOMINO'S ZEBULON
 TOWN OF ZEBULON - WAKE COUNTY - NORTH CAROLINA
RECORDED PLAT SURVEY

DATE:	07/05/2023
DESIGNED BY:	JSJ/MS
DRAWN BY:	MS
CHECKED BY:	JSJ
PROJECT No.:	2023018
DRAWING No.:	W-4081
SCALE:	AS SHOWN
SHEET No.:	

C1.02



PROJECT INFO:	DOMINOES ZEBULON 1000 HENDRICKS DR
MUNICIPALITY:	TOWN OF ZEBULON
NC PIN:	27-0600-6772
DEED REFERENCE:	DB 1924 PG 353 BM 2006 PG 2692
LOT AREA:	0.91 ACRES
OWNER:	JTSJ INC 9107 S TRYON ST STE F CHARLOTTE NC 28273-3125
ZONING:	HC - Heavy Commercial
ADJACENT ZONING:	HC - Heavy Commercial
PROPOSED USE:	RESTAURANT
PROPOSED GROSS FLOOR AREA:	2,428 SF
BUILDING HEIGHT:	N/A
IMPERVIOUS AREAS	
LOT AREA:	39,770 SF
EXISTING IMPERVIOUS:	0 SF
BUILDING (ROOF):	2,540 SF
ASPHALT AND C&G:	16,502 SF
5' GRAVEL TRAIL:	0 SF
CONCRETE:	1,369 SF
TOTAL IMPERVIOUS:	20,411 SF
LOT COVERAGE:	51.3%
SETBACKS	Minimum
FRONT	30 ft
SIDE	30 ft (10R Parking Area Setback)
REAR	25 ft (10R Parking Area Setback)
BUFFERYARD	Minimum / Notes 10' wide evergreen bufferyard per Town of Zebulon, NC Land Development Ordinance
PARKING SUMMARY	
REQUIRED:	N/A
PROVIDED:	2 HC 20 = TOTAL 22

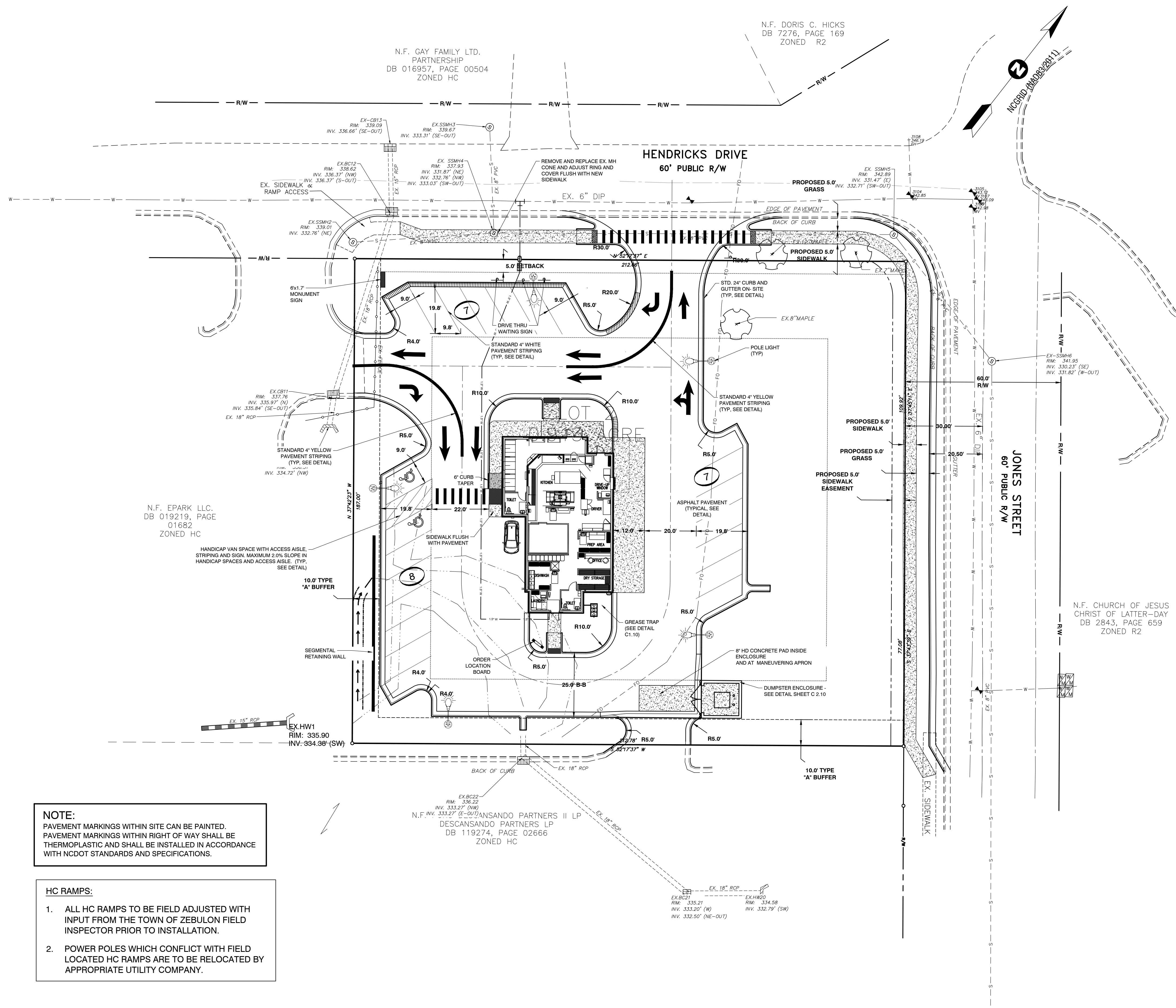
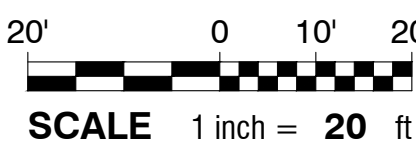
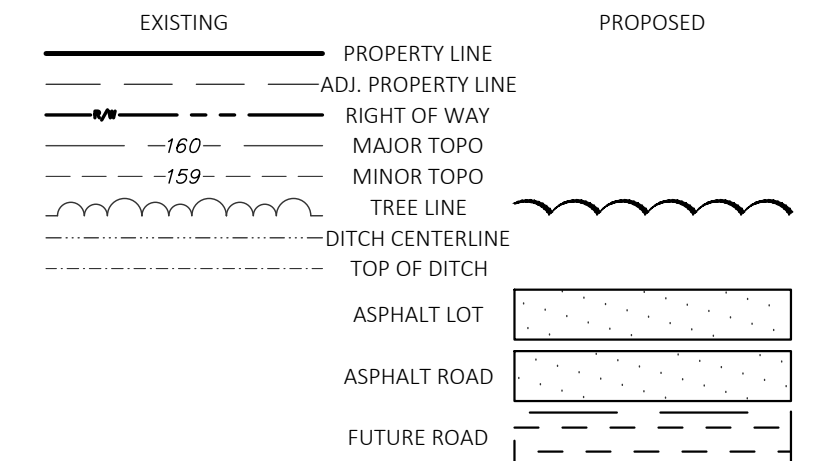
Rivers
RIVERS AND ASSOCIATES, INC.
SINCE 1918
Engineers
Planners
Surveyors
Landscape Architects

353 E. Six Forks Road
Raleigh, NC 27609
919.594.1626



REVISIONS:	
NO.	DESCRIPTION
06/01/23 <td>DATE BY</td>	DATE BY
	CONSTRUCTION DRAWINGS SUBMITTAL

- GENERAL NOTES:
- ALL SITE WORK SHALL BE DONE IN ACCORDANCE WITH THE PLANS PREPARED BY RIVERS AND ASSOCIATES, INC. THE CURRENT REQUIREMENTS OF THE CITY/TOWN OF CLINTON, THE APPLICABLE SECTIONS OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADWAY CONSTRUCTION, AND ALL OTHER PERTINENT FEDERAL, STATE AND LOCAL LAWS.
 - THE CONTRACTOR SHALL COMPLY AT ALL TIMES WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, ORDINANCES, AND POLICES GOVERNING SAFETY AND HEALTH, INCLUDING THE FEDERAL CONSTRUCTION SAFETY ACT (PUBLIC LAW 93-54), FEDERAL REGISTER, CHAPTER XVII, PART 1926 OF TITLE 29 REGULATIONS, OCCUPATIONAL SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, AND SUBSEQUENT PUBLICATIONS UPDATING THESE REGULATIONS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE AREAS AND CONDITIONS UNDER WHICH THE PROJECT IS TO BE CONSTRUCTED PRIOR TO THE SUBMISSION OF A BID. SUBMISSION OF A BID SHALL BE CONSTRUED TO MEAN THE CONTRACTOR HAS REVIEWED THE SITE AND IS FAMILIAR WITH CONDITIONS AND CONSTRAINTS OF THE SITE.
 - BEFORE EXCAVATION, ALL UNDERGROUND UTILITIES SHALL BE LOCATED IN THE FIELD BY THE PROPER AUTHORITIES. THE CONTRACTOR SHALL NOTIFY N.C. ONE CALL AT 1-800-432-4949. THE LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES ARE APPROXIMATE AND MAY NOT ALL BE SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND EXACT LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES.
 - CONTRACTOR SHALL REFER TO THE GEOTECHNICAL REPORT PRIOR TO INITIATION OF ANY EARTHWORK ACTIVITY.
 - CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL PLAN - TO BE SUBMITTED TO AND APPROVED BY NCDOT AND THE CITY/TOWN OF CLINTON.
 - CONTRACTOR SHALL NOTIFY PUBLIC WORKS STREET MAINTENANCE DIVISION 48 HOURS PRIOR TO MAKING CONNECTIONS TO EXISTING STORM DRAINS LOCATED WITHIN PUBLIC STORM DRAINAGE EASEMENTS OR R/W.
 - REFER TO C.I.D. FOR SURVEY CONTROL INFORMATION.
 - CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION.
 - PER FEMA FIRM MAP 37249R000L DATED 7/7/14, THIS PROJECT IS IN ZONE X AND THEREFORE THERE IS NO REGULATORY FLOODPLAIN LOCATED ON THIS PROPERTY.
 - NO BUILDINGS, STRUCTURES OR OTHER IMPROVEMENTS, MATERIALS AND SURFACES, INCLUDING BUT NOT LIMITED TO PRINCIPLE AND ACCESSORY STRUCTURES AND ADDITIONS AND APPURTENANCES THERETO, SIGNAGE, FENCES, WALLS, MECHANICAL EQUIPMENT, CANOPIES, ANTENNAS, MASTS, DEBRIS, SOLID WASTE COLLECTION CONTAINERS, MAIL RECEPTACLES, AND IMPERVIOUS SURFACES SHALL NOT ENCRUSCH WITHIN ANY DEDICATED EASEMENT WITHOUT PRIOR APPROVAL OF CITY/TOWN OF CLINTON PUBLIC UTILITIES DEPARTMENT.
 - SOIL EROSION AND SEDIMENTATION CONTROL PLAN IS NOT APPLICABLE, THE SITE DISTURBANCE IS LESS THAN ONE ACRE.
 - WETLANDS ARE VALUABLE NATURAL RESOURCES THAT PROVIDE IMPORTANT ECOLOGICAL FUNCTIONS. BE ADVISED THAT ACTIVITIES IN WETLANDS ARE REGULATED BY THE FEDERAL GOVERNMENT UNDER SECTION 404 OF THE CLEAN WATER ACT. JURISDICTIONAL WETLANDS MAY INCLUDE THE PINE SHRUB COCCOSNS THAT ARE COMMON IN THIS REGION. IF ANY PRIVATE LAND OWNER, DEVELOPER, CORPORATION OR OTHER PERSON PROPOSES TO UNDERTAKE CONSTRUCTION/FILLING ACTIVITIES IN OR NEAR A LAKE, STREAM, CREEK TRIBUTARY OR ANY UNNAMED BODY OF WATER INCLUDING ITS ADJACENT WETLANDS, FEDERAL PERMIT AUTHORIZATION MAY BE REQUIRED FROM THE U.S. ARMY CORPS OF ENGINEERS PRIOR TO COMMENCEMENT OF SUCH LAND-DISTURBING ACTIVITIES. PLEASE CONTACT MS. TRACY WHEELER, TELEPHONE (252) 975-1654 FOR A WETLAND DETERMINATION AND INFORMATION REGARDING SPECIFIC PERMIT REQUIREMENTS. WETLANDS DETERMINATION PENDING, BY OTHERS.
 - APPROVAL OF SITE PLAN DOES NOT CONSTITUTE APPROVAL OF SIGNS. SEPARATE SIGN PERMITS ARE REQUIRED.
 - ALL SLOPES SHALL BE 3:1 (HORIZONTAL:VERTICAL) MAXIMUM UNLESS NOTED OTHERWISE.
 - ALL AREAS NOT PAVED SHALL BE TOPSOILED, SEED, MULCHED OR LANDSCAPED/GRASSED UNLESS OTHERWISE NOTED IN THE CONSTRUCTION DRAWINGS, SITE SPECIFICATIONS OR INSTRUCTED BY THE OWNER.
 - CONTRACTOR SHALL CONTACT THE FOLLOWING NCDOT OFFICE PRIOR TO BEGINNING WORK WITHIN RIGHT OF WAY (MIN. 5 DAYS NOTICE REQUIRED): SAMPSON COUNTY DISTRICT ENGINEER'S OFFICE (010)682-5100.
 - ALL REQUIRED IMPROVEMENTS SHALL COMPLY WITH THE SAMPSON COUNTY ZONING ORDINANCE.
 - REFUSE COLLECTION SHALL BE PROVIDED BY PRIVATE CONTRACTOR.
 - CONSTRUCTION OF ROADWAY EXTENSION BY OTHERS.
 - CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING A CONSTRUCTION ACCESS ROAD A MINIMUM OF 15' WIDE FROM THE EXISTING PAVEMENT TO THE SITE ENTRANCE. INSTALL A MINIMUM DEPTH OF 6" C&G.

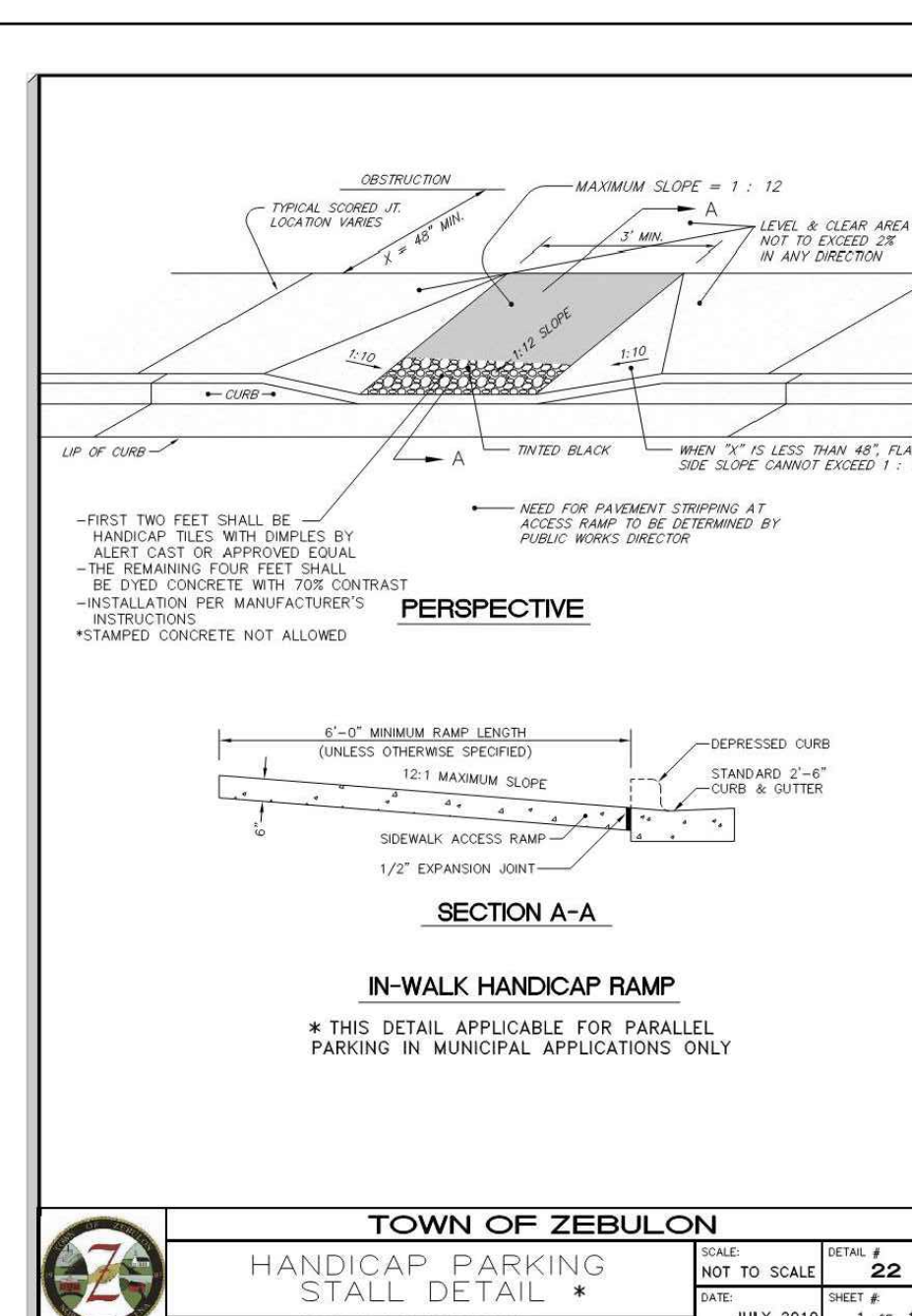
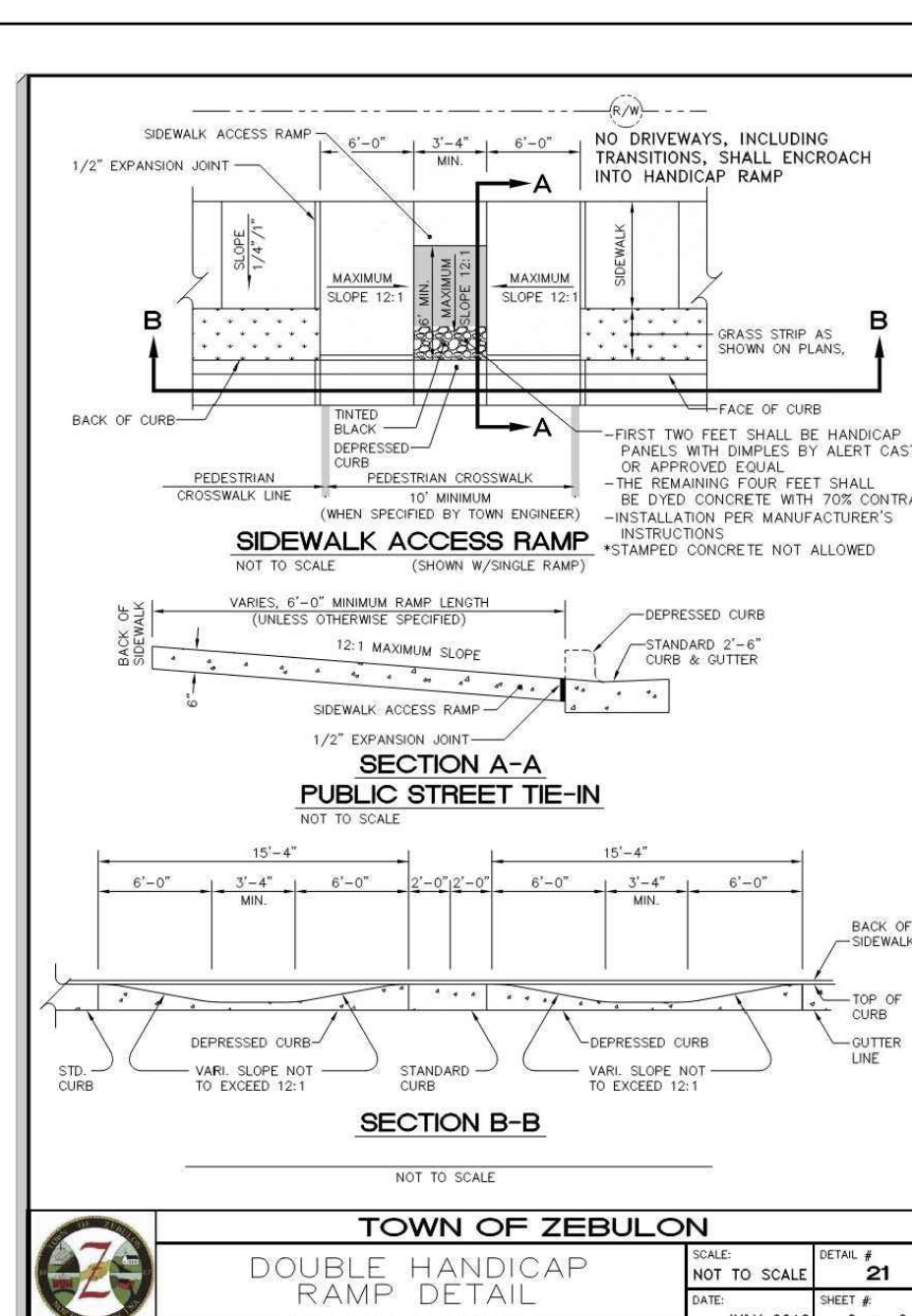
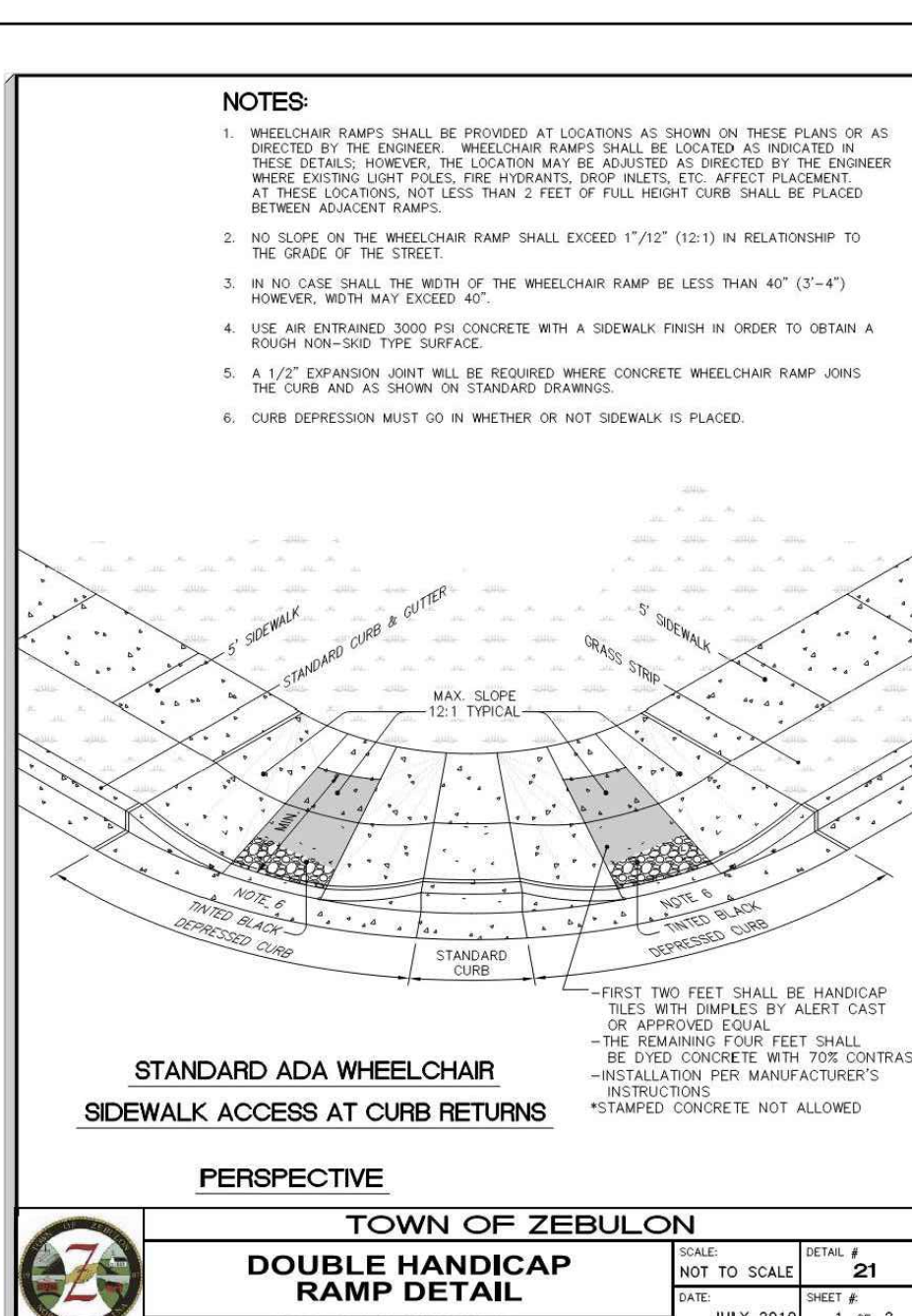
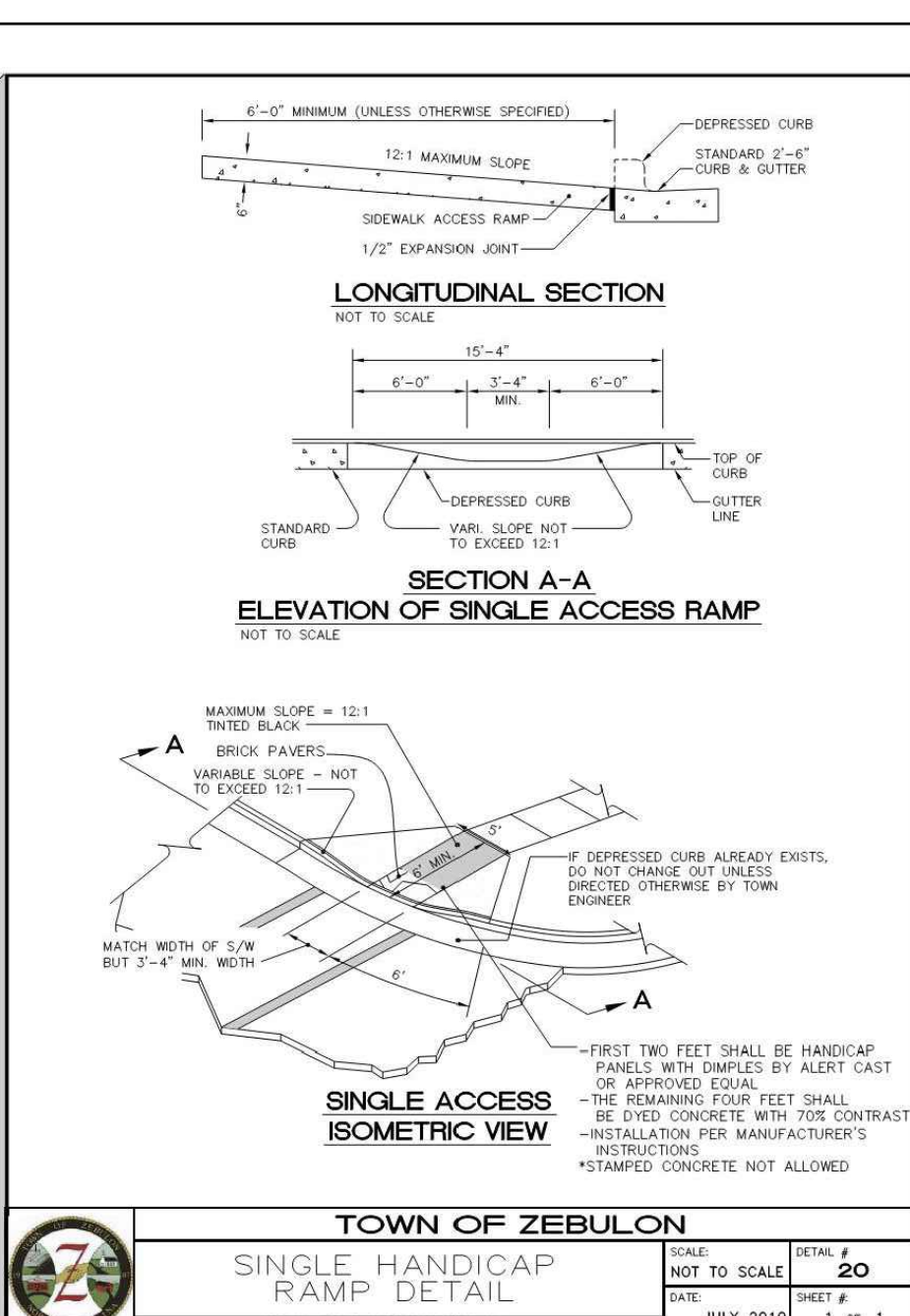
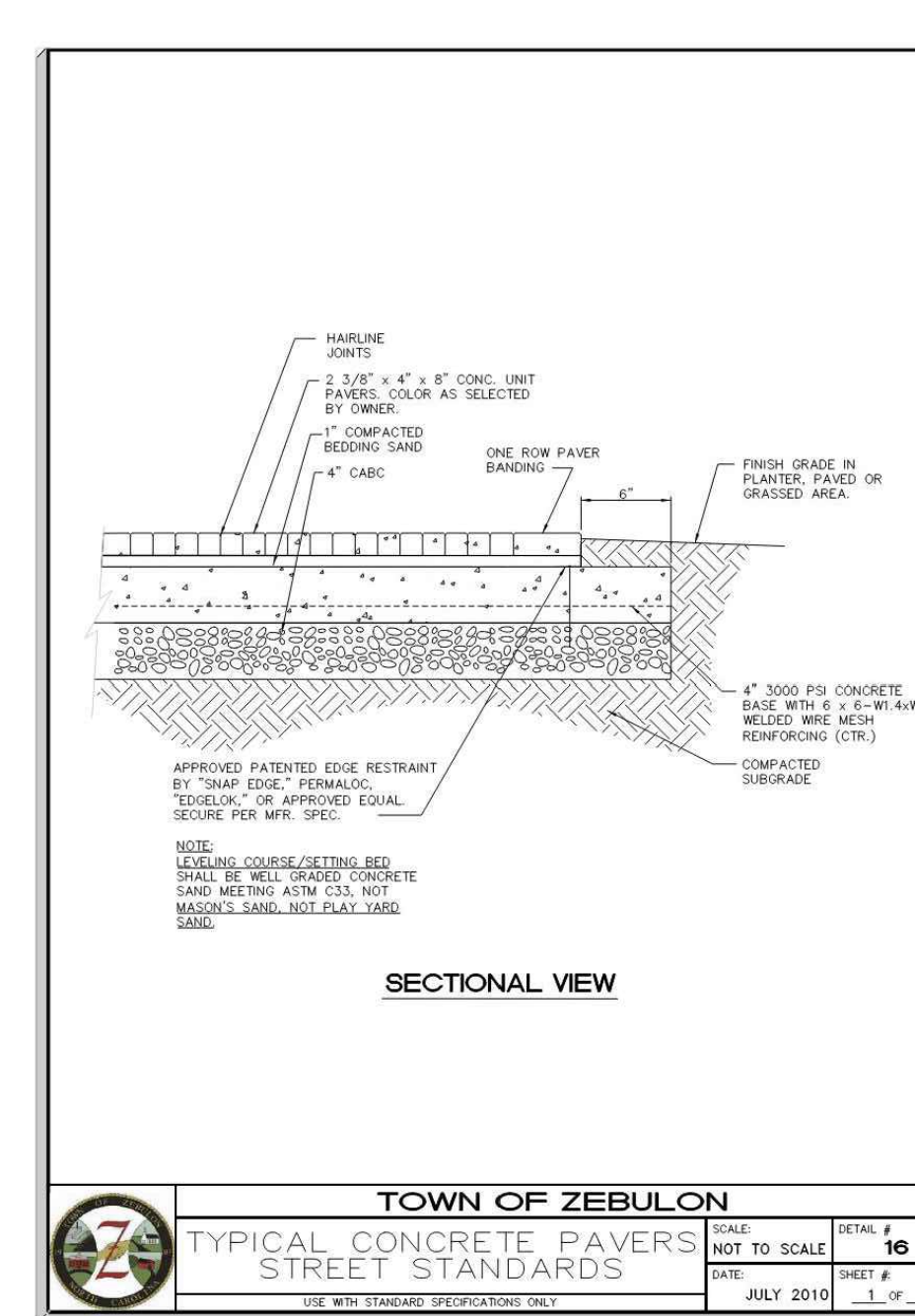
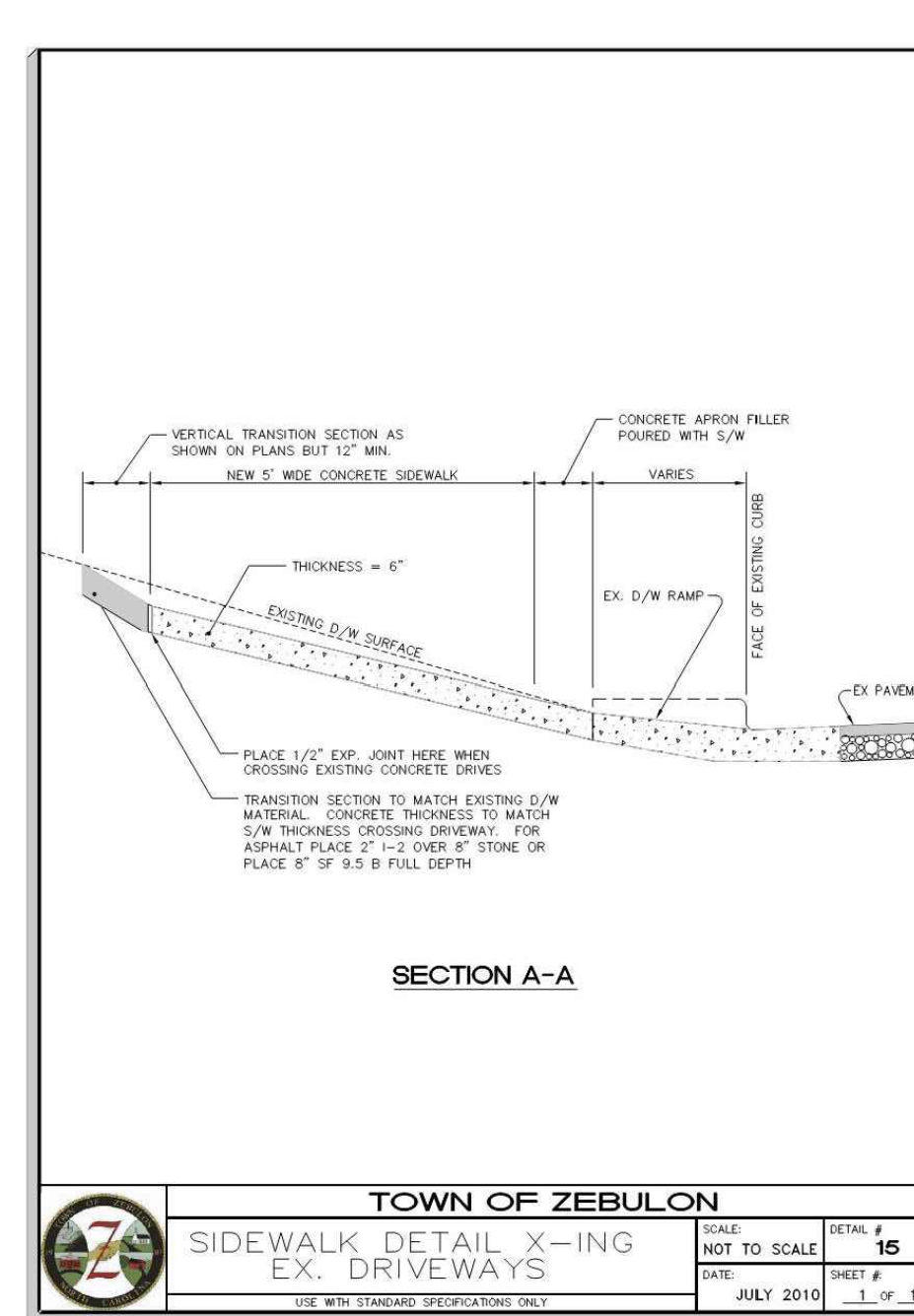
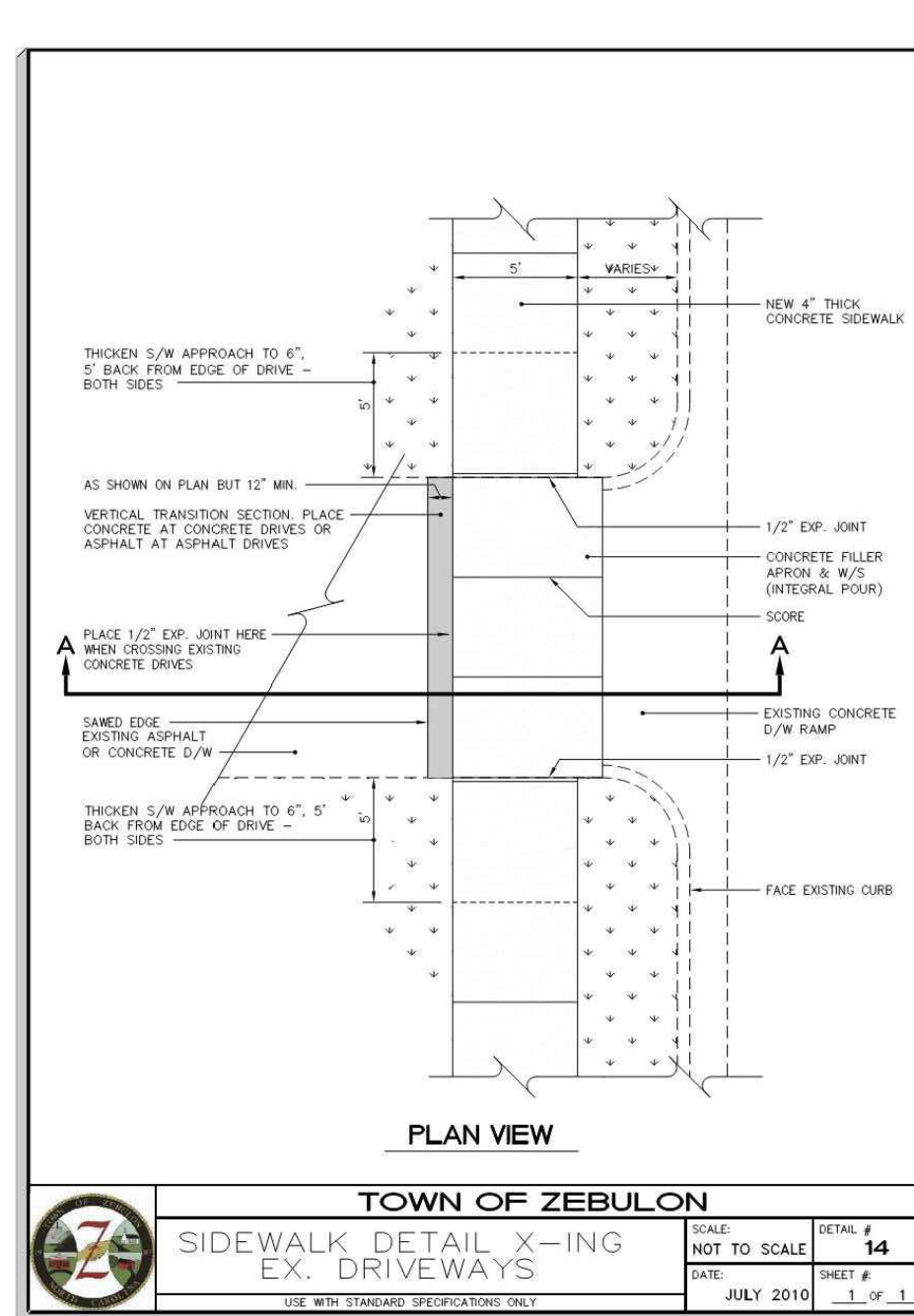
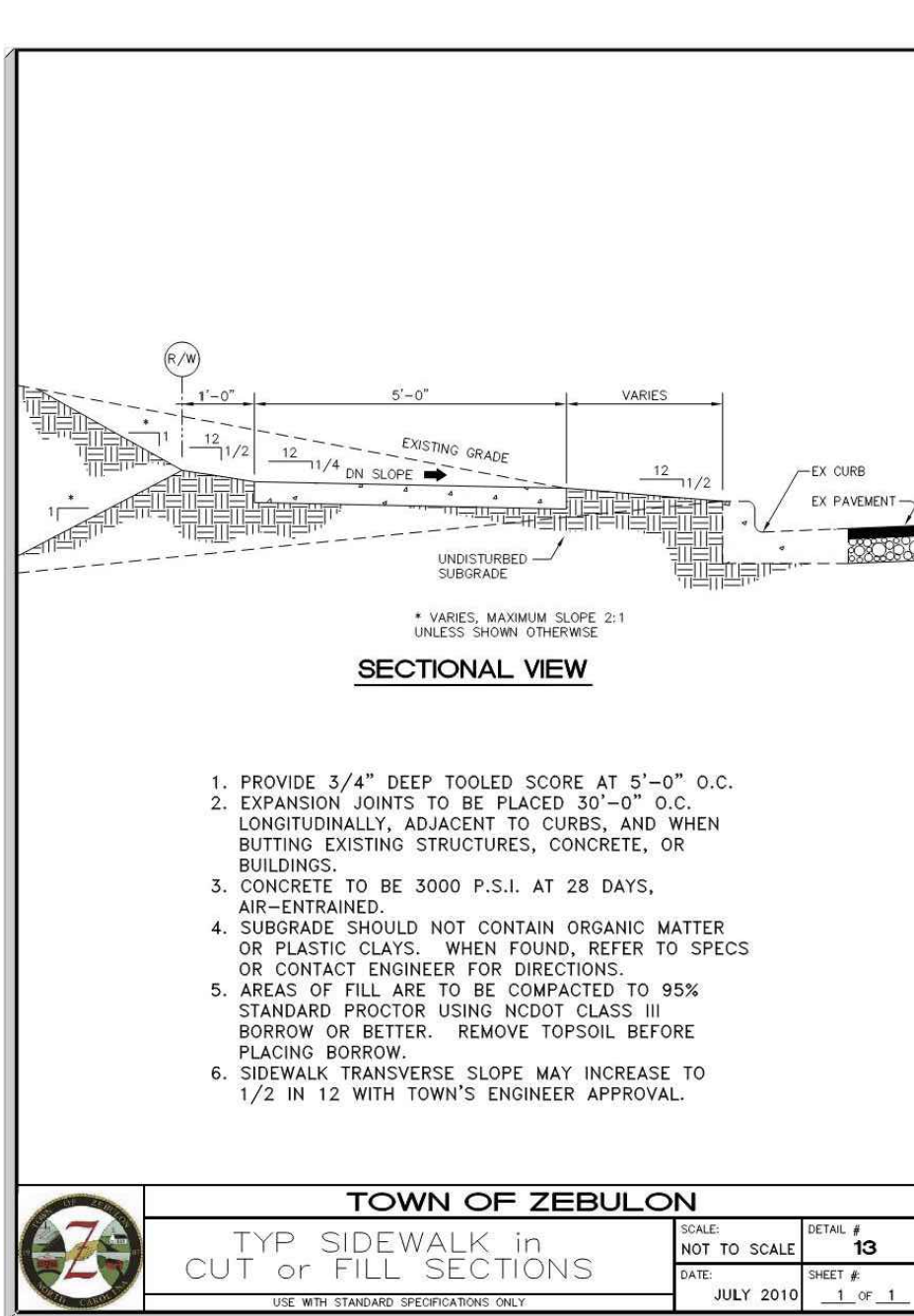
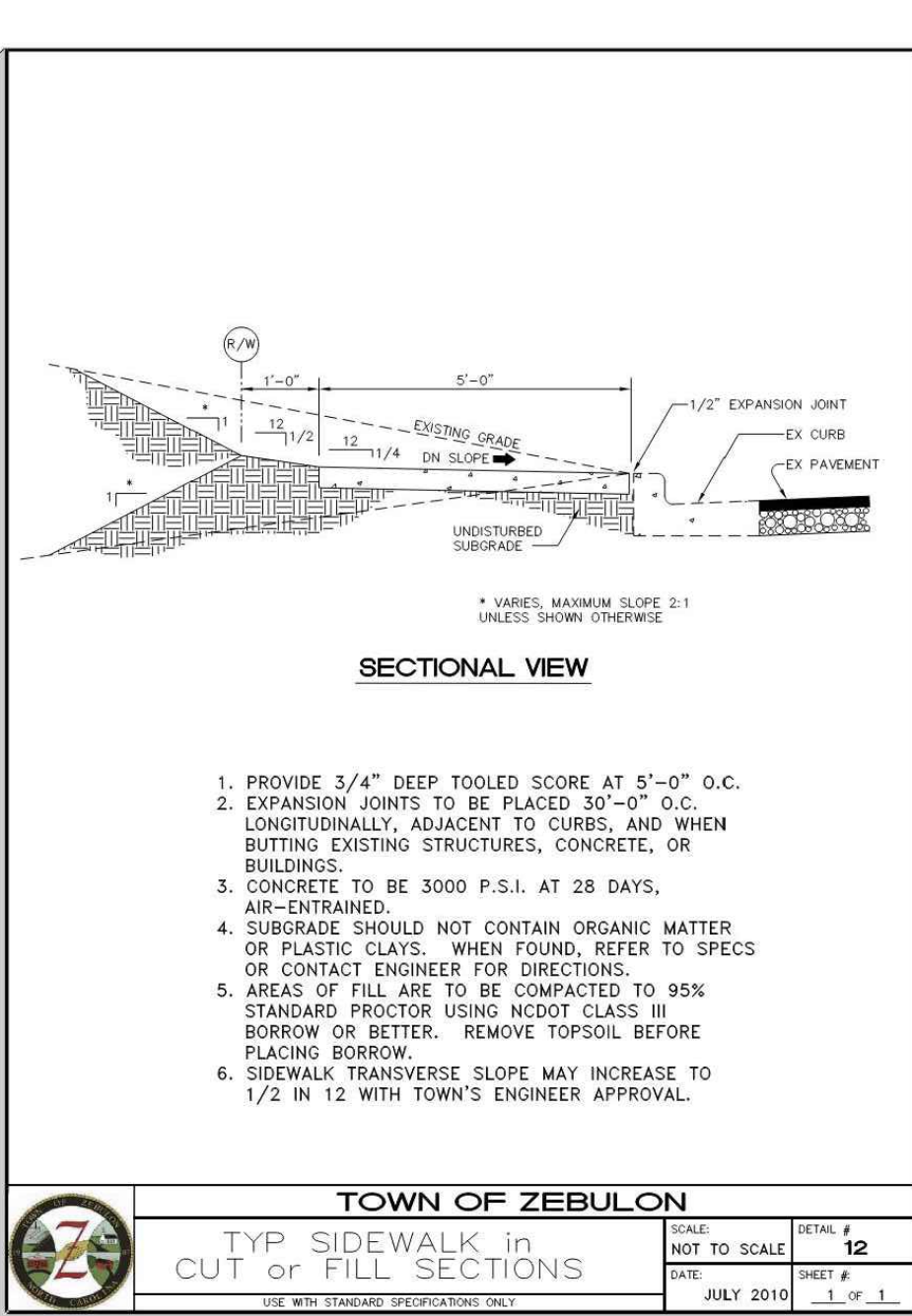
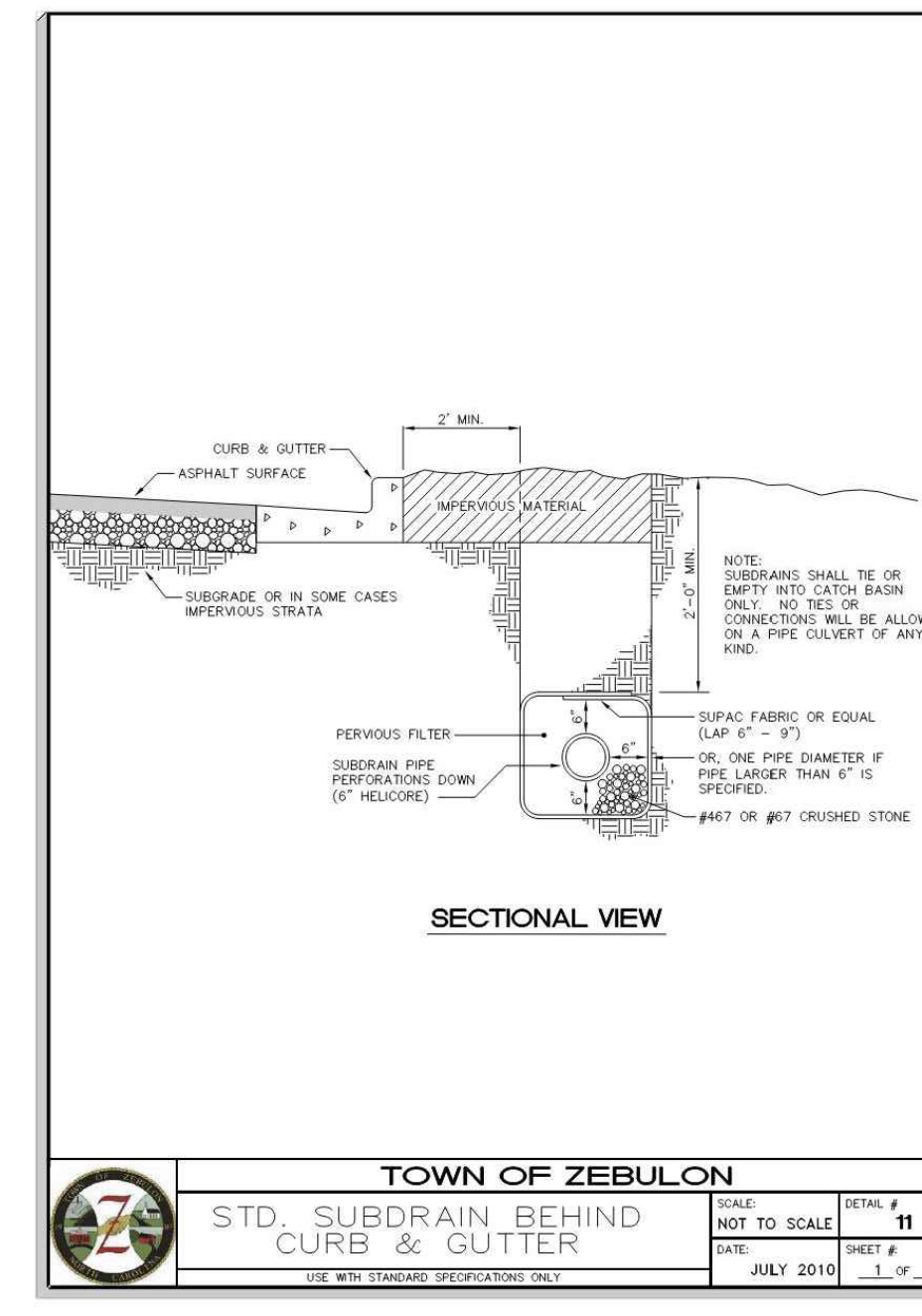
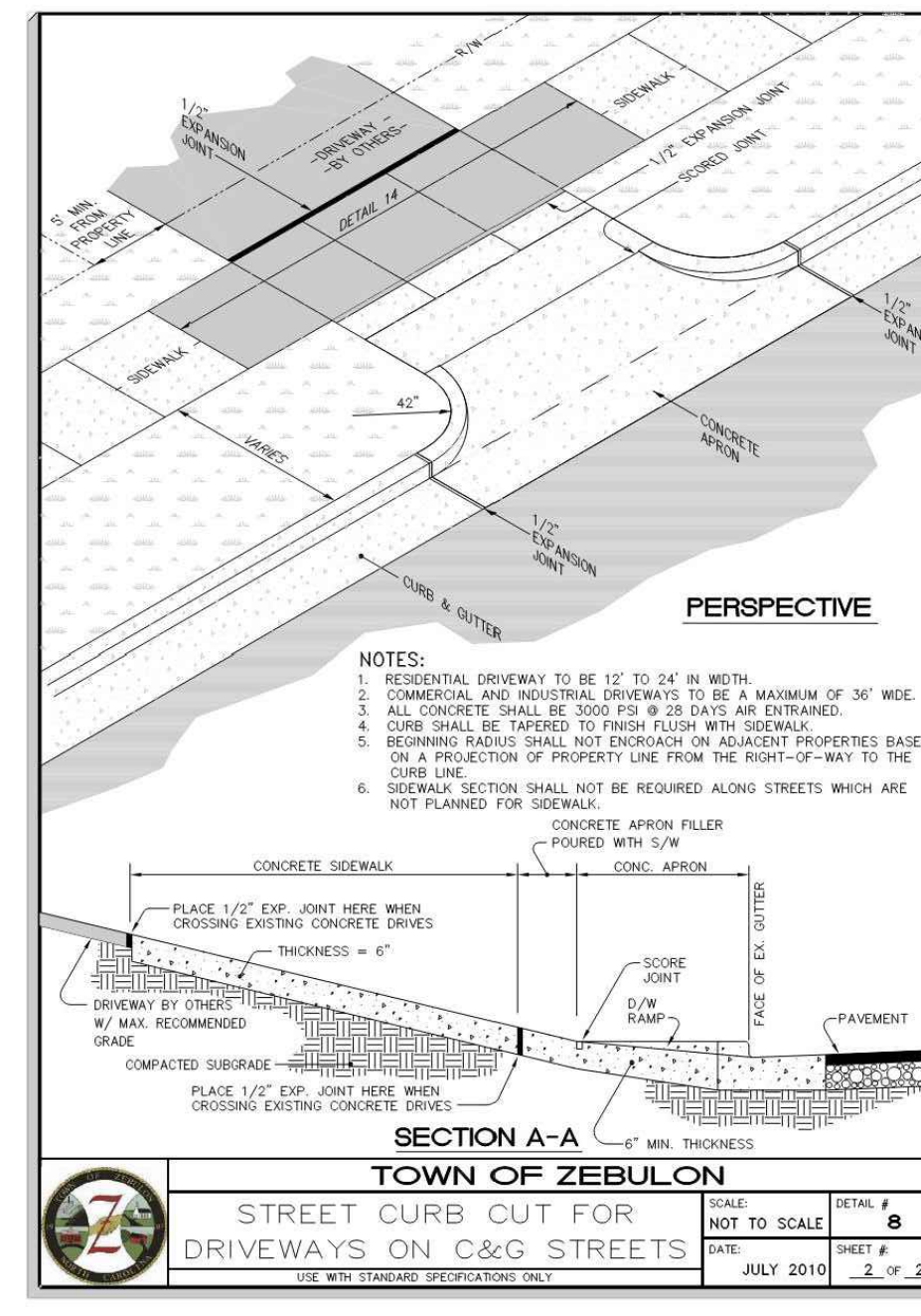
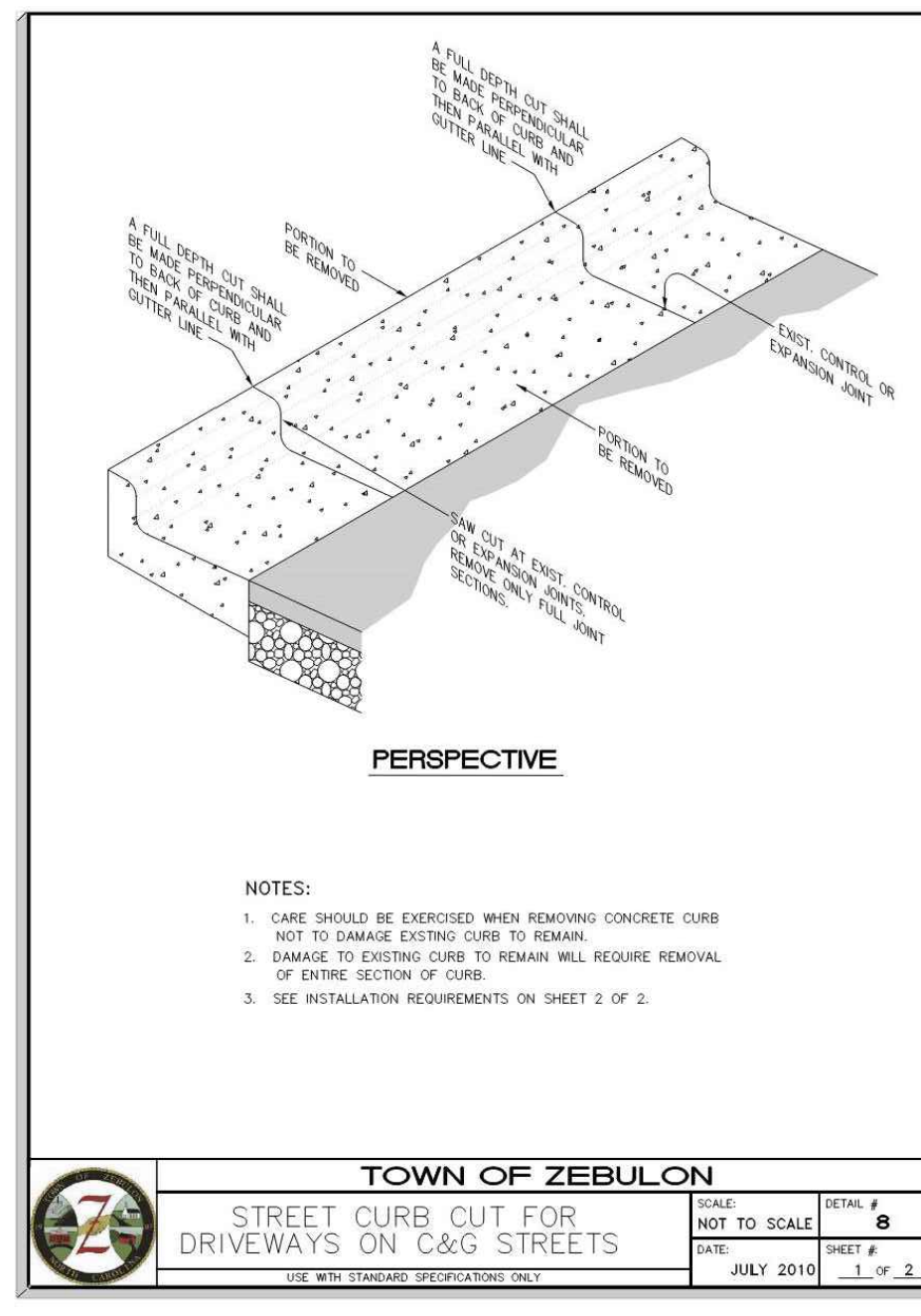
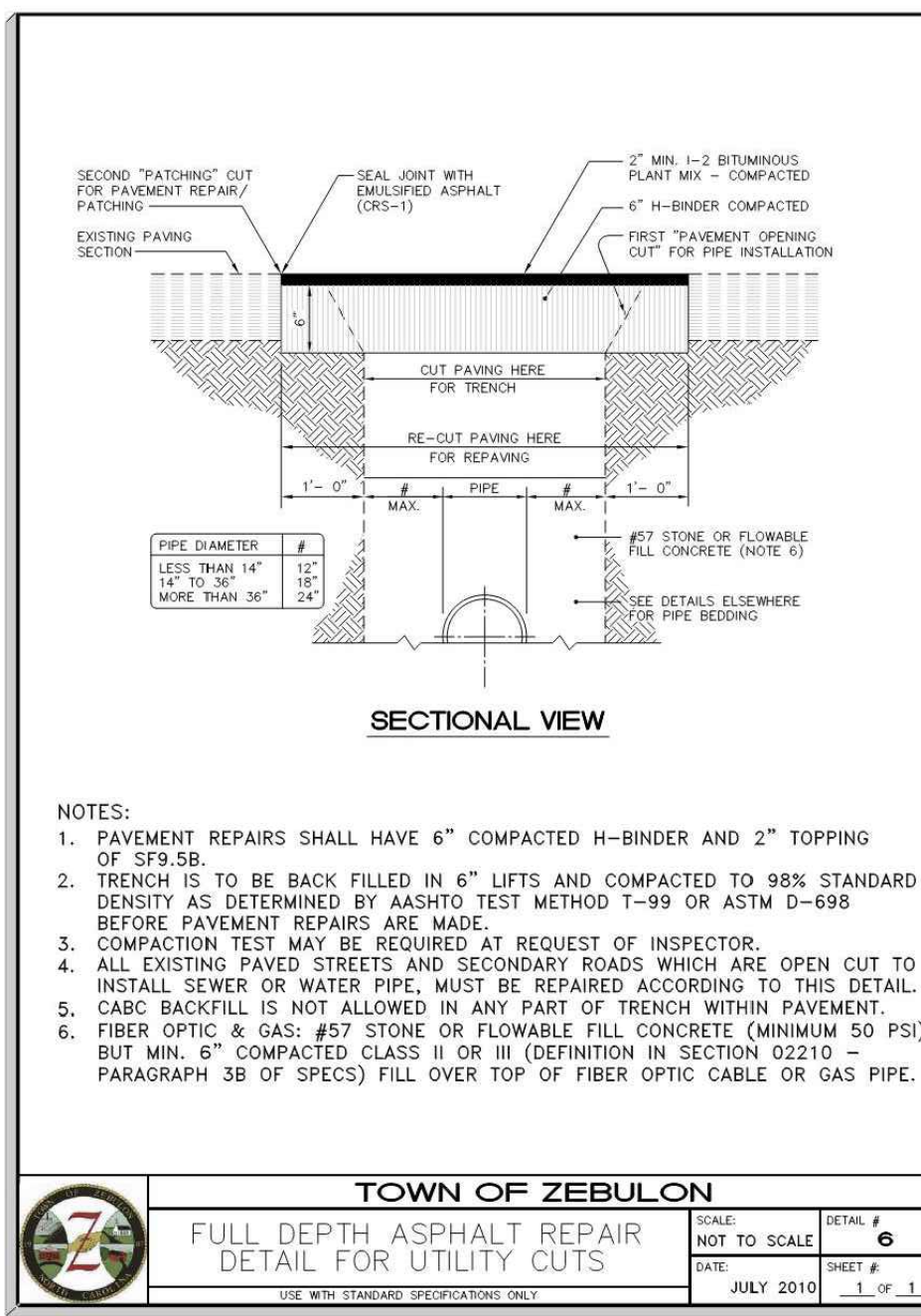
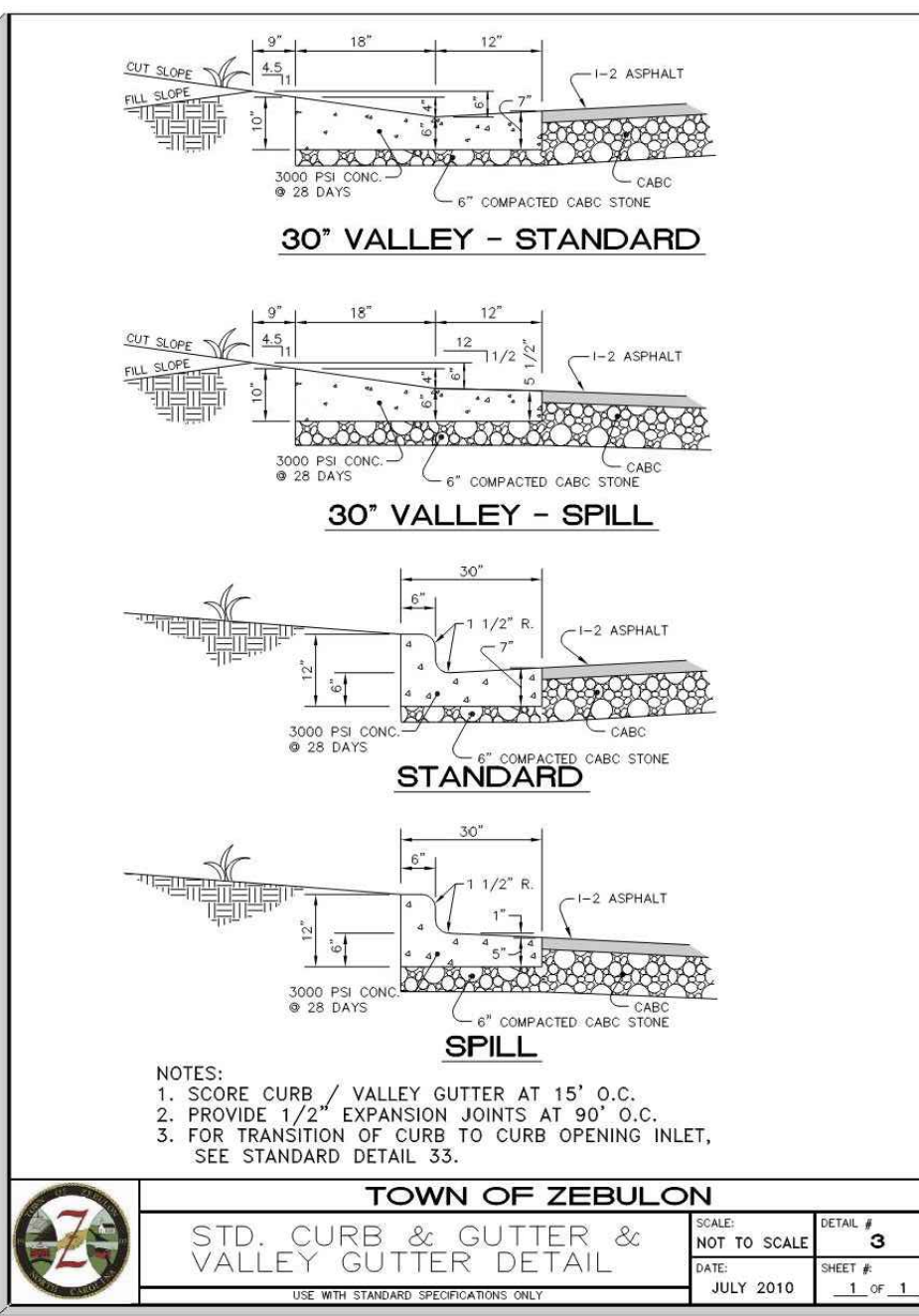


NOTE:
PAVEMENT MARKINGS WITHIN SITE CAN BE PAINTED.
PAVEMENT MARKINGS WITHIN RIGHT OF WAY SHALL BE THERMOPLASTIC AND SHALL BE INSTALLED IN ACCORDANCE WITH NCDOT STANDARDS AND SPECIFICATIONS.

- HC RAMPS:**
- ALL HC RAMPS TO BE FIELD ADJUSTED WITH INPUT FROM THE TOWN OF ZEBULON FIELD INSPECTOR PRIOR TO INSTALLATION.
 - POWER POLES WHICH CONFLICT WITH FIELD LOCATED HC RAMPS ARE TO BE RELOCATED BY APPROPRIATE UTILITY COMPANY.

CONSTRUCTION DRAWINGS
DOMINO'S ZEBULON
TOWN OF ZEBULON - WAKE COUNTY - NORTH CAROLINA
SITE PLAN

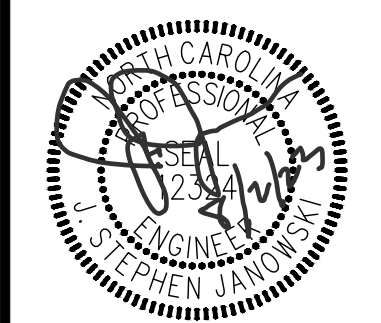
DATE:	07/05/2023
DESIGNED BY:	JSJ/MS
DRAWN BY:	MS
CHECKED BY:	JSJ
PROJECT No.:	2023018
DRAWING No.:	W-4081
SCALE:	AS SHOWN
SHEET No.:	C2.01



NOTE:
 RELEASED FOR SITE PLAN REVIEW ONLY.
 NOT FOR CONSTRUCTION.



ALL CONSTRUCTION TO BE IN ACCORDANCE WITH TOWN OF ZEBULON, NCDOT & NCDCE STANDARDS, SPECIFICATIONS AND DETAILS.

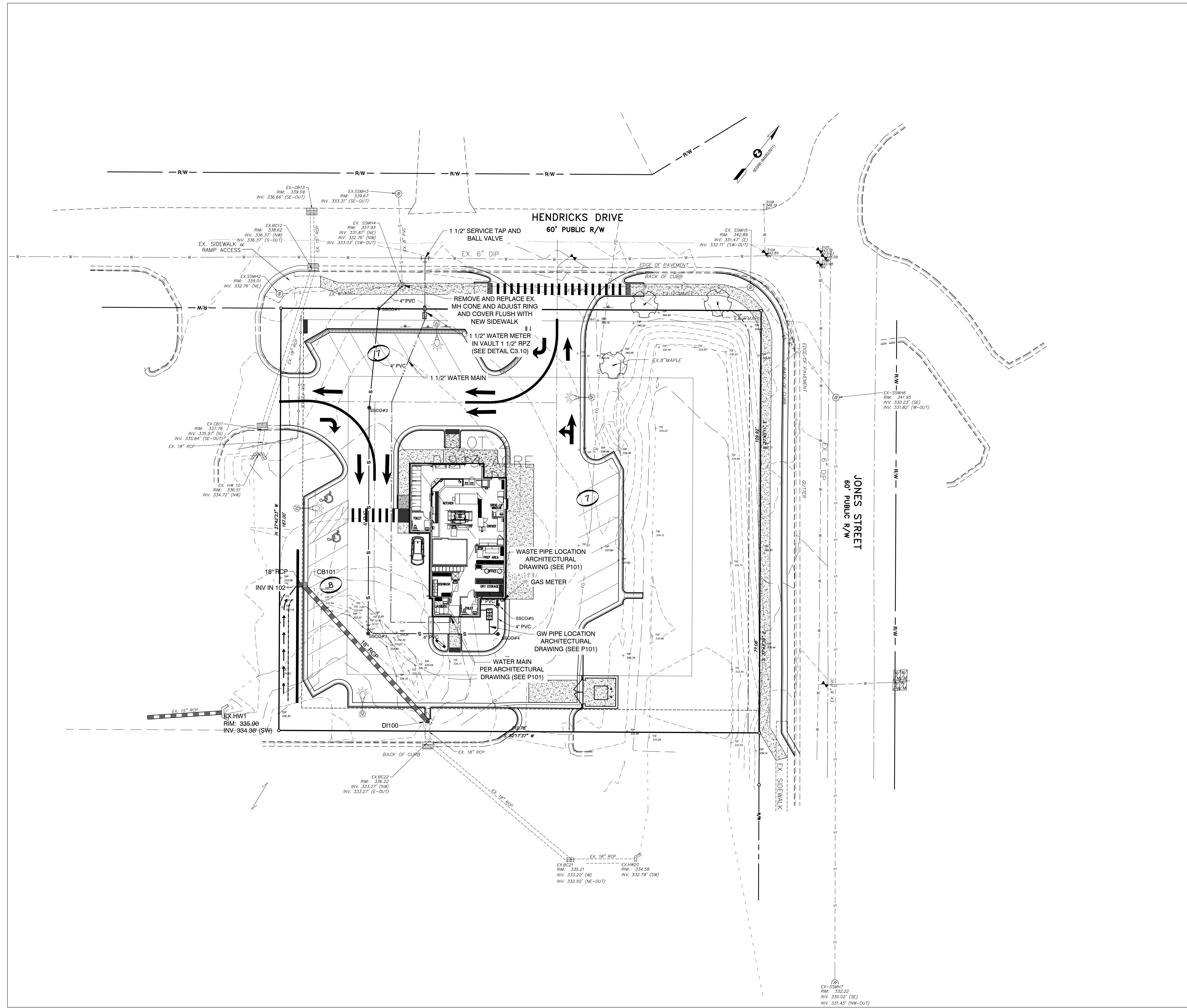


REVISIONS:

NO.	DESCRIPTION	DATE	BY
06/01/23	CONSTRUCTION DRAWINGS SUBMITTAL		

DATE: 07/05/2023

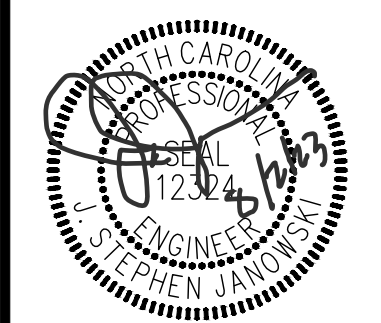
DESIGNED BY: DBB/MS
 DRAWN BY: MS
 CHECKED BY: DBB
 PROJECT No. 2023018
 DRAWING No. W-4081
 SCALE: AS SHOWN
 SHEET No. **C2.10**



NOTES:

- BOUNDARY, TOPOGRAPHIC AND PLANIMETRIC FEATURES SHOWN ARE FROM A FIELD SURVEY PERFORMED BY WILLIAMS - PEARCE & ASSOC., P.A. PROFESSIONAL LAND SURVEYORS P.O. BOX 892, ZEBULON, N.C. 27597 PHONE (919) 269-9605 PROPERTY SURVEY FOR: PIEDMONT PROPERTIES ON 12/06/2022.
- PER FEMA FIRM MAP 372046800L DATED 7/7/14, THIS PROJECT IS IN ZONE X AND THEREFORE THERE IS NO REGULATORY FLOODPLAIN LOCATED ON THIS PROPERTY.
- WETLANDS, STREAMS & ASSOCIATED BUFFERS TO BE DETERMINED.

Rivers & Associates, Inc.
 ENGINEERS, ARCHITECTS, PLANNERS, SURVEYORS
 353 E. Six Forks Road
 Raleigh, NC 27609
 919.594.1626



REVISIONS:

NO.	DESCRIPTION	DATE	BY
060123 <td>CONSTRUCTION DRAWINGS SUBMITTAL <td></td> <td></td> </td>	CONSTRUCTION DRAWINGS SUBMITTAL <td></td> <td></td>		

CONSTRUCTION DRAWINGS
DOMINO'S ZEBULON
 TOWN OF ZEBULON - WAKE COUNTY - NORTH CAROLINA
UTILITY PLAN

811
 CALL BEFORE YOU DIG!
 WWW.NC811.ORG
 N.C. ONE-CALL CENTER
 IT'S THE LAW!

SCALE 1 inch = 20 ft

DATE: 07/05/2023

DESIGNED BY: JSJ/MS

DRAWN BY: MS

CHECKED BY: JSJ

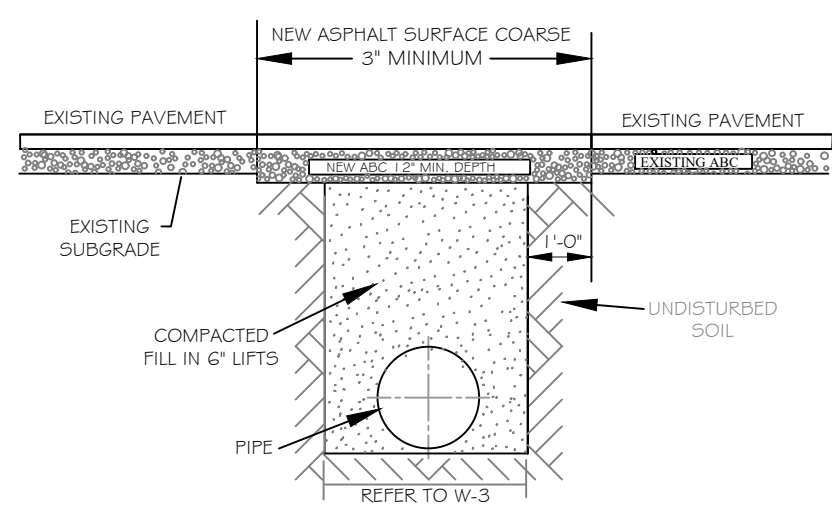
PROJECT No. 2023018

DRAWING No. W-4081

SCALE: AS SHOWN

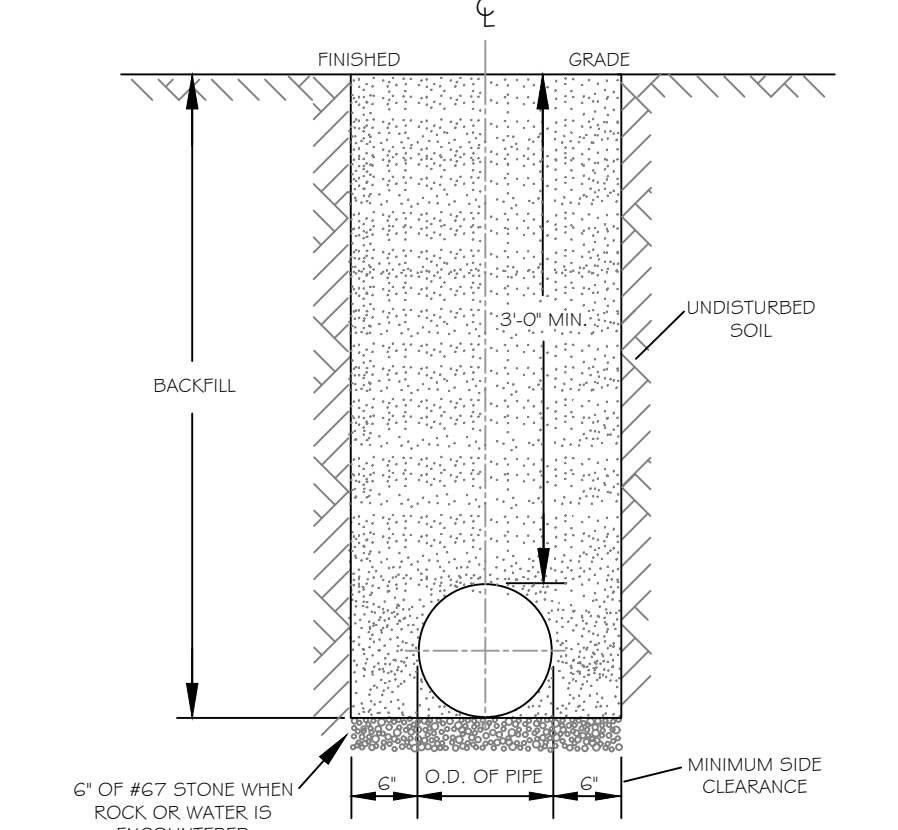
SHEET No.

C3.01



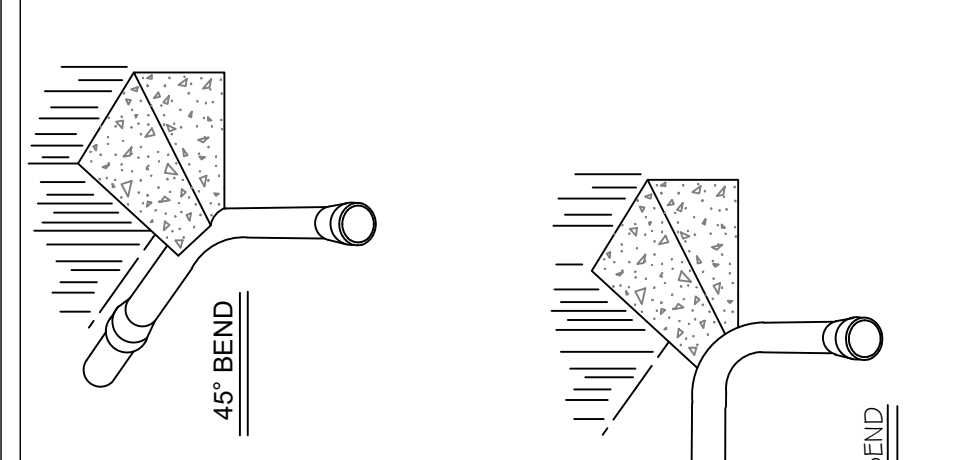
- NOTES:
1. THE PAVEMENT CUT SHALL BE DEFINED BY A STRAIGHT EDGE AND CUT WITH AN APPROPRIATE SAW CUT MACHINE.
 2. THE TRENCH SUBGRADE MATERIAL SHALL BE BACKFILLED WITH SUITABLE MATERIAL AND COMPACTED TO A DENSITY OF AT LEAST 95% OF THAT OBTAINED BY COMPACTING A SAMPLE OF THE MATERIAL IN ACCORDANCE WITH AASHTO T-99 AS MODIFIED BY NCDOT.
 3. THE FINAL 1" OF FILL SHALL CONSIST OF ABC MATERIAL COMPACTED TO A DENSITY EQUAL TO 100% OF THAT OBTAINED BY COMPACTING A SAMPLE OF THE MATERIAL IN ACCORDANCE WITH AASHTO T-99 AS MODIFIED BY NCDOT.
 4. THE ENTIRE THICKNESS/VERTICAL EDGE OF CUT SHALL BE TACKED.
 5. THE SAME DEPTH OF PAVEMENT MATERIAL WHICH EXISTS SHALL BE REINSTALLED, BUT IN NO CASE SHALL THE ASPHALT BE LESS THAN 3" THICK.
 6. THE ASPHALT PAVEMENT MATERIAL SHALL BE INSTALLED AND COMPACTED THOROUGHLY WITH A SMOOTH DRUM ROLLER TO ACHIEVE A SMOOTH LEVEL PATCH.
 7. REFER TO CITY OF RALEIGH STANDARDS FOR TRENCHES AND PIPE BEDDING, W-3, FOR ADDITIONAL DETAILS.
 8. NO HAND PATCHING ALLOWED.
 9. PAVEMENT CUTS WITHIN NCDOT ROW SHALL CONFORM TO THE APPROVED ON SITE ENCROACHMENT PERMIT.

CITY OF RALEIGH DEPARTMENT OF PUBLIC UTILITIES					
STANDARD ASPHALT PAVEMENT PATCH DETAIL					
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE	
W-2		3-31-00	A.B.B.	4-16-04	
	D.W.C.	11-1-99	J.P.S.	10-29-10	



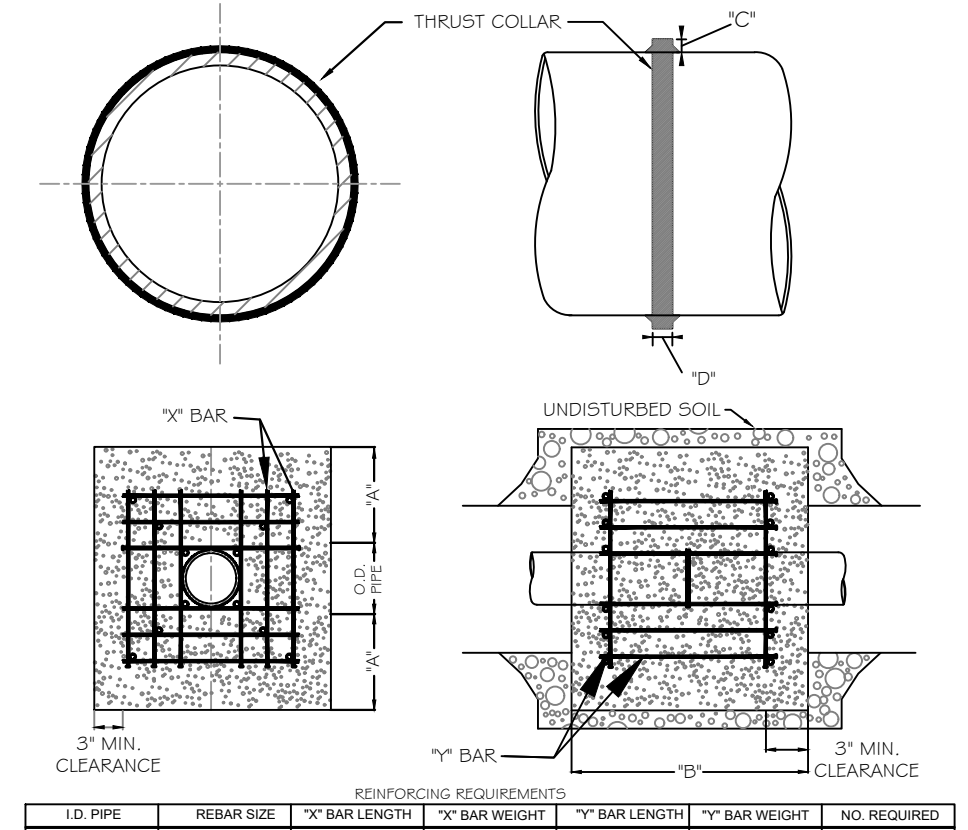
- NOTES:
1. TRENCHES REQUIRING SHORING AND BRACING, DIMENSIONS SHALL BE TAKEN FROM THE INSIDE FACE OF THE SHORING AND BRACING.
 2. NO ROCKS OR DOUBLERS 4" OR LARGER TO BE USED IN BACKFILL.
 3. ALL BACKFILL MATERIAL SHALL BE SUITABLE NATIVE MATERIAL.
 4. BACKFILL SHALL BE TAMPED IN 6" LIFTS.
 5. ACHIEVE 95% COMPACTION IN BACKFILL.

CITY OF RALEIGH DEPARTMENT OF PUBLIC UTILITIES					
TRENCH BOTTOM DIMENSIONS & BACKFILL REQUIREMENTS FOR DUCTILE IRON					
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE	
W-3		3-3-99	ABB	2-15-08	
	D.W.C.	3-31-00	J.P.S.	10-29-10	



- NOTES:
1. CONCRETE SHALL BE 3000 PSI.
 2. CONCRETE SHALL NOT CONTACT BOOTS OR ENDS OF MECHANICAL JOINTS.
 3. TRENCHES SHALL CONFORM TO STANDARD DETAIL W-3.
 4. W-3 STANDARD THRUST BLOCK TABLES, W-10 THRU W-11, FOR AREA OF CONCRETE REQUIRED.
 5. CONCRETE THRUST BLOCKING SHALL HAVE:

CITY OF RALEIGH DEPARTMENT OF PUBLIC UTILITIES					
STANDARD THRUST BLOCKING VIEWS					
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE	
W-9		D.W.C.	3-1-97	A.B.B.	3-31-00
		D.W.C.	9-7-99	D.H.L.	10-18-08



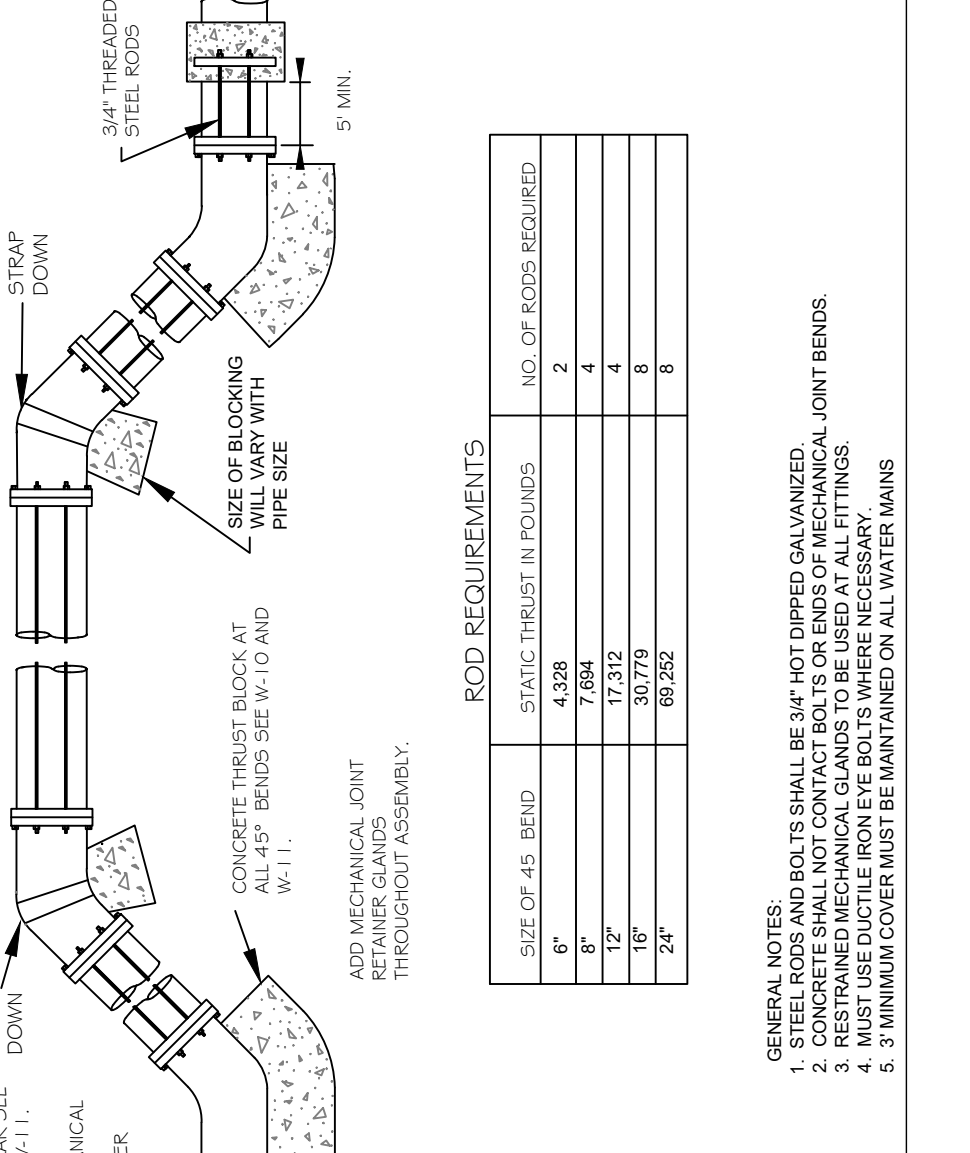
- NOTES:
1. SEE STANDARD DETAIL W-9 FOR THRUST BLOCK LOCATIONS.
 2. CONCRETE SHALL BE 3000 PSI AND TRANSLIT MATED.
 3. REINFORCING BARS SHALL BE DEFORMED AND TIED TOGETHER.
 4. TRENCH BOTTOM WIDTH IN VICINITY OF THRUST BLOCK INSTALLATION SHALL BE THE MINIMUM WIDTH AS SHOWN ON STANDARD DETAIL W-3.
 5. BACKFILL TAMPED IN 6" LIFTS PER STANDARD DETAIL W-3.
 6. THRUST COLLAR MUST BE FACTORY WELDED ON BOTH SIDES ALONG BOTH EDGES OF COLLAR AROUND CIRCUMFERENCE.

CITY OF RALEIGH DEPARTMENT OF PUBLIC UTILITIES					
THRUST BLOCKING DESIGN DATA FOR WATER MAINS					
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE	
W-7		D.W.C.	2-21-00	J.P.S.	10-1-10
		D.H.L.	6-12-08		

REACTION BEARING AREAS FOR HORIZONTAL WATER PIPE BENDS
BASED ON TEST PRESSURE OF 200 P.S.I.

ALL AREAS GIVEN IN SQUARE FEET

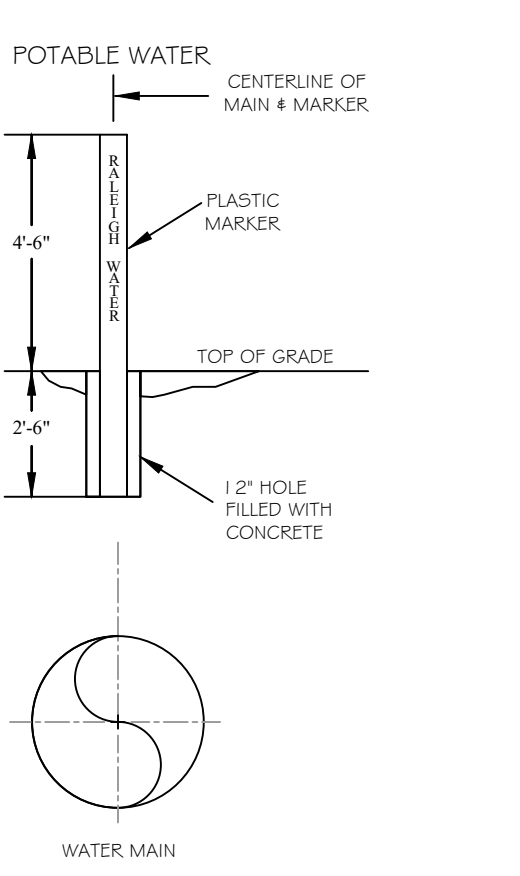
PIPE AND DEGREE OF BEND	FRANK PRESS IN PIPES	UNREINFORCED CLAY PIPE (ASTM 1545)	REINFORCED CONCRETE PIPE (ASTM 1154)	STEEL PIPE (ASTM 106)	STEEL PIPE (ASTM 106)	STEEL PIPE (ASTM 106)	STEEL PIPE (ASTM 106)	STEEL PIPE (ASTM 106)	STEEL PIPE (ASTM 106)	STEEL PIPE (ASTM 106)
6"										
11 1/4"	1,108	1	1	1	1	1	1	2	1	
22 1/2"	2,207	1	2	2	1	1	1	3	1	
45"	4,328	2	3	3	1	1	2	5	1	
90"	7,996	2	4	5	1	1	2	8	1	
PLUG	5,655	2	3	4	1	1	2	6	1	
8"										
11 1/4"	1,970	1	1	2	1	1	1	2	1	
22 1/2"	3,922	1	2	3	1	1	1	4	1	
45"	7,684	2	4	5	1	1	2	8	1	
90"	14,215	4	8	9	2	2	4	15	2	
PLUG	10,053	3	5	6	2	2	3	10	1	
12"										
11 1/4"	4,433	2	3	3	1	1	2	5	1	
22 1/2"	8,826	3	5	5	2	2	3	9	1	
45"	17,312	5	9	11	3	3	5	18	2	
90"	31,983	8	16	19	4	4	8	32	4	
PLUG	22,619	6	12	14	3	3	6	23	3	
16"										
11 1/4"	7,881	2	4	5	1	1	2	8	1	
22 1/2"	15,691	4	8	10	2	2	4	16	2	
45"	30,779	8	16	19	4	4	8	31	4	
90"	56,861	15	29	35	8	8	15	57	8	
PLUG	40,213	10	21	25	5	5	10	41	5	



ROD REQUIREMENTS

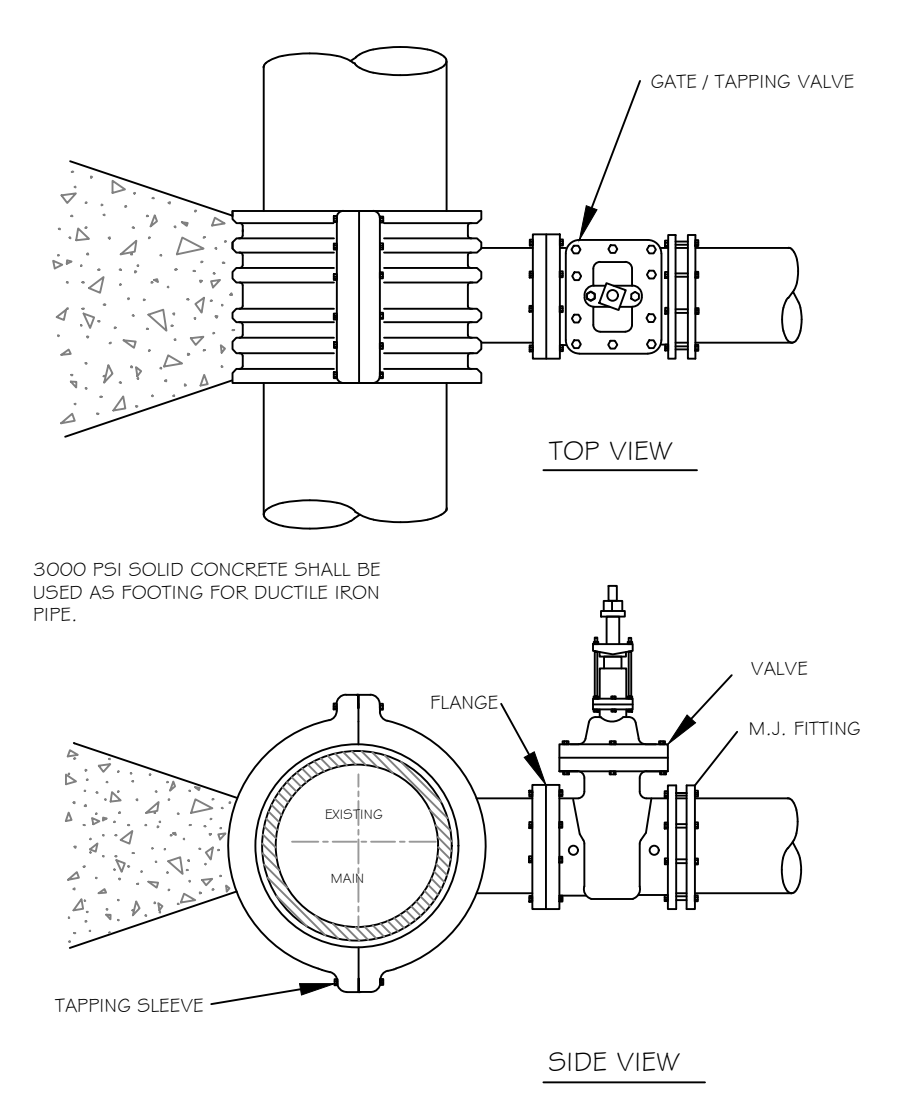
SIZE OF 45 DEGREE BEND	STATIC THRUST IN POUNDS	NO. OF RODS REQUIRED
6"	4,328	2
8"	7,684	4
10"	10,053	5
12"	14,215	8
16"	31,983	16
24"	69,262	32

- GENERAL NOTES:
1. MECHANICAL JOINTS SHALL BE 3/4" HOT DIPPED GALVANIZED.
 2. CONCRETE SHALL NOT CONTACT BOOTS OR ENDS OF MECHANICAL JOINT BENDS.
 3. REINFORCING BARS SHALL BE DEFORMED AND TIED TOGETHER.
 4. REINFORCING BARS SHALL BE DEFORMED AND TIED TOGETHER.
 5. 3" MINIMUM COVER MUST BE MAINTAINED ON ALL WATER MAINS.



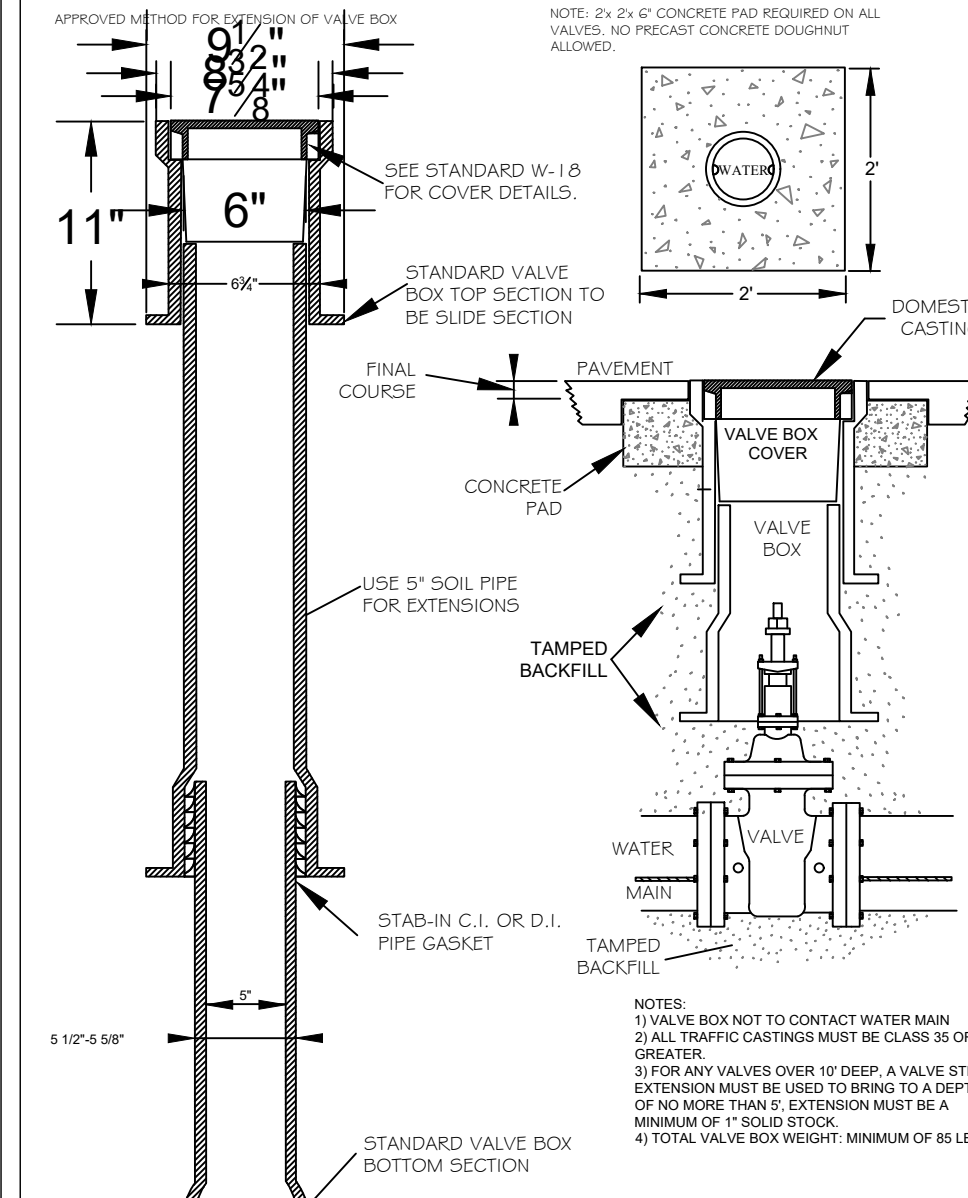
- NOTES:
1. POTABLE WATER MARKER TO BE BLUE IN COLOR.
 2. POTABLE WATER MARKER TO BE LABELED "RALEIGH WATER".
 3. TO BE SPACED ALONG CENTERLINE OF MAIN EVERY 300 FEET.
 4. MARKERS TO BE ROUND AND 4" IN DIAMETER.

CITY OF RALEIGH DEPARTMENT OF PUBLIC UTILITIES					
STANDARD POTABILITY WATER MARKER					
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE	
W-14		3-31-00	A.B.B.	4-16-04	
	D.W.C.	9-7-99	J.P.S.	11-1-10	



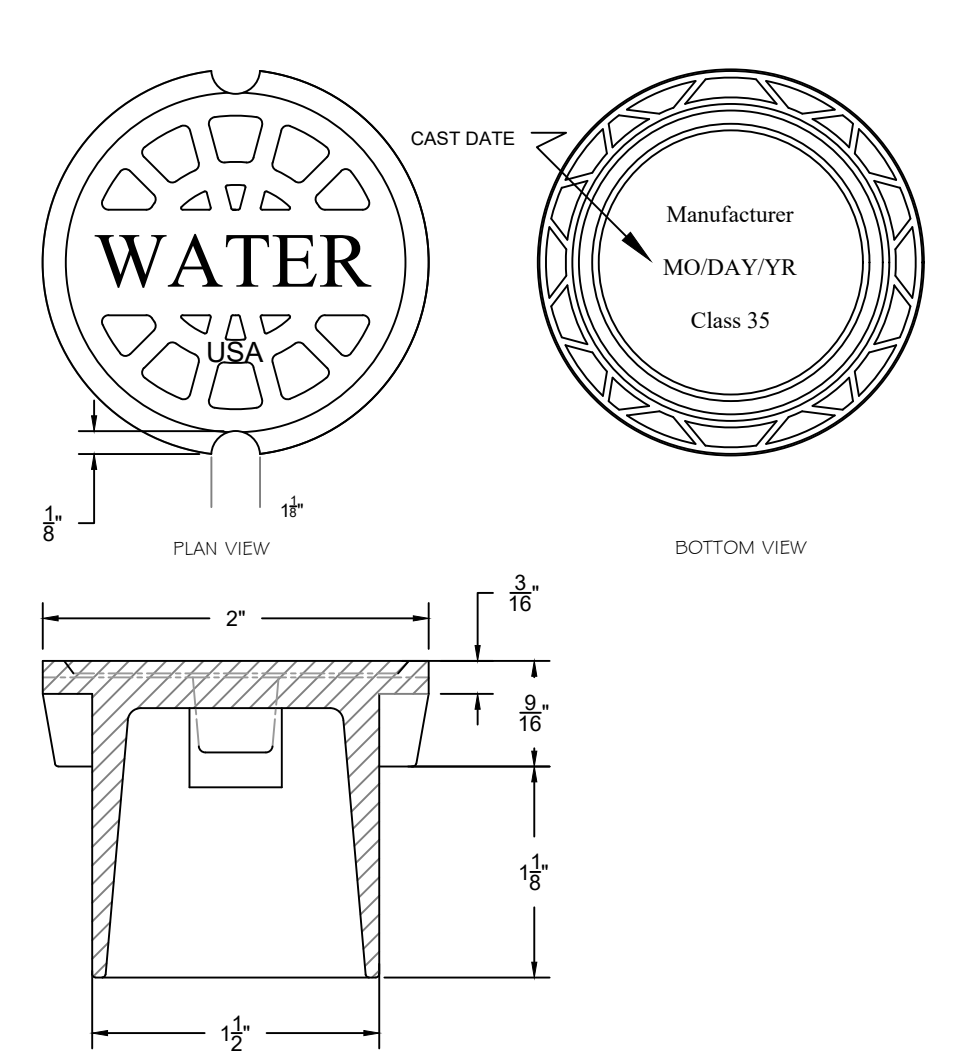
- NOTES:
1. CONCRETE SHALL NOT CONTACT BOOTS OR ENDS OF MECHANICAL JOINT FITTINGS.
 2. SEE STANDARD REACTION BLOCK TABLES, W-10 AND W-11 FOR AREA OF CONCRETE REQUIRED.

CITY OF RALEIGH DEPARTMENT OF PUBLIC UTILITIES					
4" - 24" STANDARD TAPPING SLEEVE AND EXTENSION DETAIL					
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE	
W-14		3-31-00	A.B.B.	4-16-04	
	D.W.C.	9-7-99	J.P.S.	11-1-10	



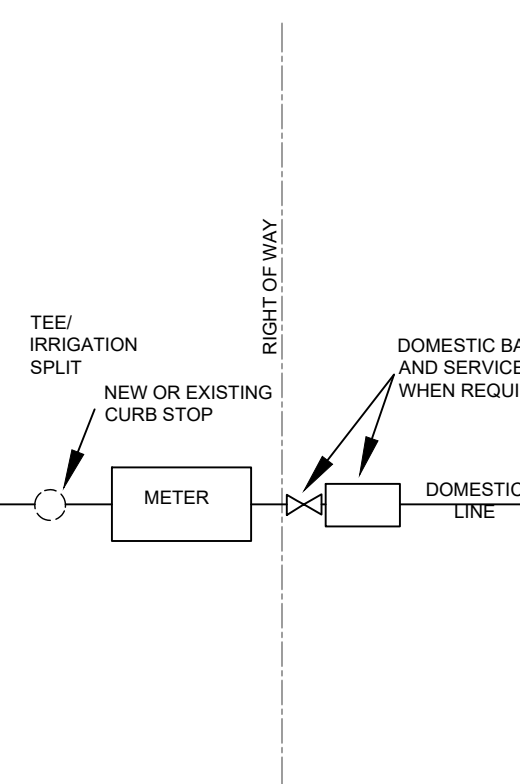
- NOTES:
1. VALVE BOX NOT TO CONTACT WATER MAIN.
 2. ALL TRAP CASTINGS MUST BE CLASS 35 OR GREATER.
 3. DEPRESSURE VALVES OVER 1/2" DEEP A VALVE STEM EXTENSION MUST BE USED TO BRING TO A DEPTH OF MINIMUM THREE FEET FROM THE MAIN.
 4. MINIMUM OF 1" SOLID STOCK.
 5. TOTAL VALVE BOX WEIGHT MINIMUM OF 85 LBS.

CITY OF RALEIGH DEPARTMENT OF PUBLIC UTILITIES					
VALVE BOX INSTALLATION AND EXTENSION DETAIL					
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE	
W-17		3-7-99	A.B.B.	4-15-04	
	D.W.C.	3-31-00	D.H.L.	10-16-07	



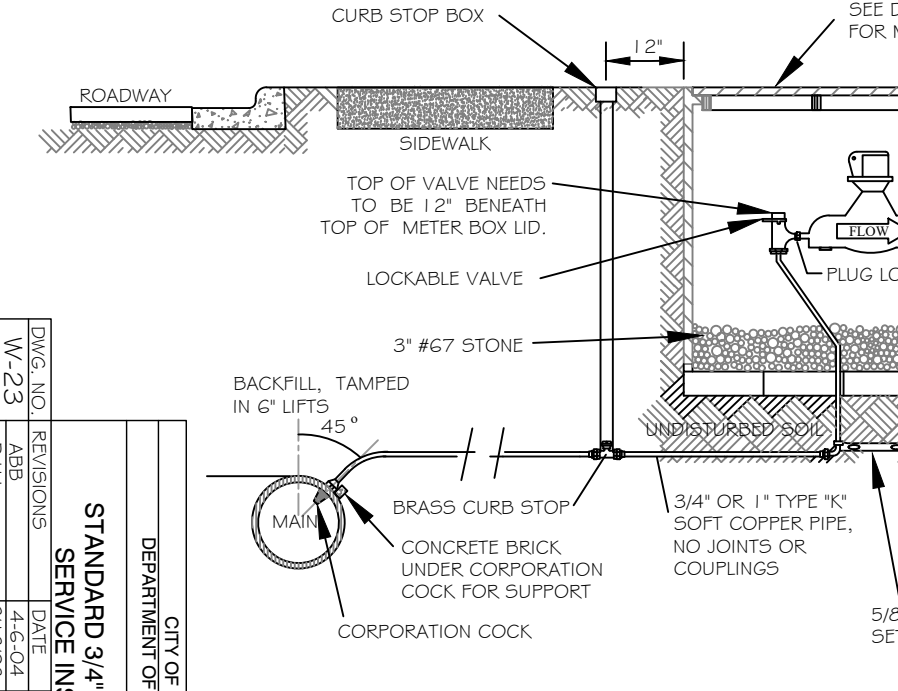
- NOTES:
1. "WATER" LETTERING MUST BE 1" RAISED (RECESSED FLUSH).
 2. VALVE COVER SHALL BE DOMESTICALLY CAST.
 3. COVER MUST HAVE A MINIMUM WEIGHT OF 25 POUNDS.
 4. COVER MUST BE CLASS 35 OR GREATER.
 5. COVER MUST MEET OR EXCEED AASHTO 11-20 LOAD REQUIREMENTS.

CITY OF RALEIGH DEPARTMENT OF PUBLIC UTILITIES					
5 1/4" VALVE BOX DROP LID WITH 4" SKIRT					
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE	
W-18		D.W.C.	6-23-99		



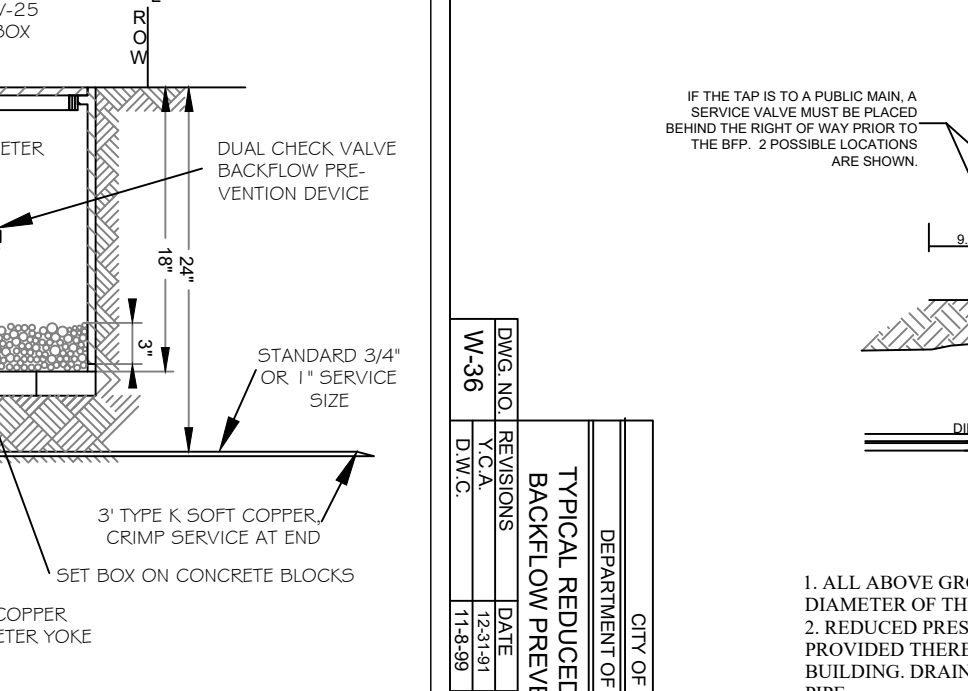
- NOTES:
1. IRRIGATION METER SHALL BE LOCATED ON THE SIDE OF DOMESTIC METER WITH INCREASING ADDRESSES.
 2. THE BACKFLOW SHALL BE INSTALLED NO MORE THAN 10" FROM THE METER IN A VISIBLE LOCATION.
 3. BACKFLOW RISER AND PIPE SHALL BE OF COPPER OR BRASS.
 4. THE PRESSURE VALVE SHALL BE A MINIMUM OF 12" ABOVE ANY MATERIAL (MULCH INCLUDED) OR GRADE.
 5. A SERVICE VALVE IS REQUIRED AFTER THE METER BUT BEFORE THE BACKFLOW ASSEMBLY FOR MAINTENANCE AND REPLACEMENT PURPOSES.
 6. THE INSTALLATION MUST ALSO MEET ALL CODE REQUIREMENTS PER THE NC PLUMBING CODE.

CITY OF RALEIGH DEPARTMENT OF PUBLIC UTILITIES					
IRRIGATION TAP ON NEW AND EXISTING SERVICES					
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE	
W-35		3-31-00	D.H.L.	8-16-08	
	RRH	3-10-04	J.P.S.	10/25/10	



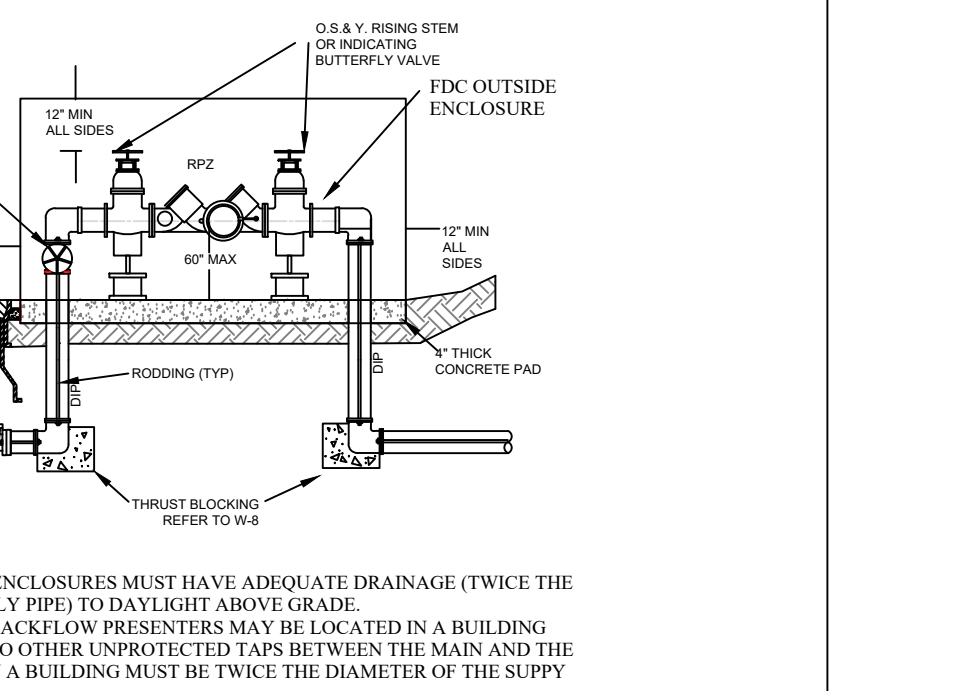
- NOTES:
1. WATER METER AS MANUFACTURED BY SENSUS, OR SCHLUMBERGER.
 2. DIRECT TAP ALLOWED ON MAINS NO LARGER THAN 1/2" LINE.
 3. METER BOX TO BE LOCATED IN RW ADJACENT TO PROPERTY OR IN APPROVED EASEMENT ADJACENT TO RW.
 4. WHEN THE GRADE CHANGES ON EXISTING SERVICES, A COPPER RESETTER CAN BE USED TO ADJUST TO GRADE. COPPER RESETTERS ARE PROHIBITED ON NEW SERVICES.
 5. CURB STOP BOX SHALL HAVE PLUG STYLE LID WITH PENTAGON BOLT, 1 1/4" STEEL UPPER SECTION, AND ARCH STYLE BASE. STEEL STATIONARY ROD TO BE PROVIDED FOR CURB STOP OPERATION.

CITY OF RALEIGH DEPARTMENT OF PUBLIC UTILITIES					
STANDARD 3/4" & 1 1/2" WATER SERVICES INSTALLATION					
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE	
W-23		11-1-99	D.H.L.	6/10/08	
	RRH	11-1-99	D.H.L.	6/10/08	



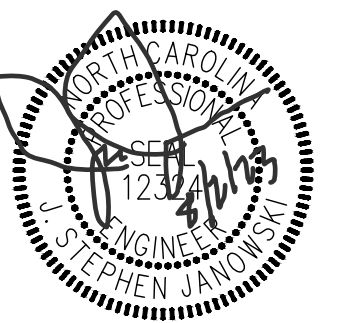
- NOTES:
1. ALL ABOVE GROUND ENCLOSURES MUST HAVE ADEQUATE DRAINAGE (TWICE THE DIAMETER OF THE SUPPLY PIPE) TO DAY LIGHT ABOVE GRADE.
 2. REDUCED PRESSURE BACKFLOW PREVENTERS MAY BE LOCATED IN A BUILDING PROVIDED THERE ARE NO OTHER UNPROTECTED TAPS BETWEEN THE MAIN AND THE BUILDING. DRAINAGE IN A BUILDING MUST BE TWICE THE DIAMETER OF THE SUPPLY PIPE.
 3. ABOVE GROUND INSULATED VAULTS MUST BE ASSE 1000 APPROVED ABOVE GROUND ENCLOSURES. SEE CROSS CONNECTION MANUAL FOR ENCLOSURE FREEZE PROTECTION AND CERTIFICATION REQUIREMENTS.
 4. RESIDENTIAL LAWN IRRIGATION R.P. ASSEMBLIES THAT ARE REMOVED TO PREVENT FREEZING IN THE WINTER MONTHS MUST BE CAPPED OFF. ALL ABOVE GROUND ASSEMBLIES EXCEPT RESIDENTIAL LAWN IRRIGATION ASSEMBLIES, MUST BE PROTECTED FROM FROST.
 5. FOR ENCLOSURE DIMENSIONS SEE DETAIL W-34.
 6. STEEL RODS AND BOLTS SHALL BE 3/4" HOT DIPPED GALVANIZED.
 7. ALL ASSEMBLIES MUST BE ON THE CURRENT APPROVAL LIST.

CITY OF RALEIGH DEPARTMENT OF PUBLIC UTILITIES					
TYPICAL REDUCED PRESSURE ZONE BACKFLOW PREVENTER ASSEMBLY					
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE	
W-36		11-1-99	D.H.L.	6/10/08	
	D.W.C.	11-1-99	D.H.L.	6/10/08	



- NOTES:
1. ALL ABOVE GROUND ENCLOSURES MUST HAVE ADEQUATE DRAINAGE (TWICE THE DIAMETER OF THE SUPPLY PIPE) TO DAY LIGHT ABOVE GRADE.
 2. REDUCED PRESSURE BACKFLOW PREVENTERS MAY BE LOCATED IN A BUILDING PROVIDED THERE ARE NO OTHER UNPROTECTED TAPS BETWEEN THE MAIN AND THE BUILDING. DRAINAGE IN A BUILDING MUST BE TWICE THE DIAMETER OF THE SUPPLY PIPE.
 3. ABOVE GROUND INSULATED VAULTS MUST BE ASSE 1000 APPROVED ABOVE GROUND ENCLOSURES. SEE CROSS CONNECTION MANUAL FOR ENCLOSURE FREEZE PROTECTION AND CERTIFICATION REQUIREMENTS.
 4. RESIDENTIAL LAWN IRRIGATION R.P. ASSEMBLIES THAT ARE REMOVED TO PREVENT FREEZING IN THE WINTER MONTHS MUST BE CAPPED OFF. ALL ABOVE GROUND ASSEMBLIES EXCEPT RESIDENTIAL LAWN IRRIGATION ASSEMBLIES, MUST BE PROTECTED FROM FROST.
 5. FOR ENCLOSURE DIMENSIONS SEE DETAIL W-34.
 6. STEEL RODS AND BOLTS SHALL BE 3/4" HOT DIPPED GALVANIZED.
 7. ALL ASSEMBLIES MUST BE ON THE CURRENT APPROVAL LIST.

CITY OF RALEIGH DEPARTMENT OF PUBLIC UTILITIES					
CURB STOP BOX WITH METER					
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE	
W-37		11-1-99	D.H.L.	6/10/08	
	D.W.C.	11-1-99	D.H.L.	6/10/08	



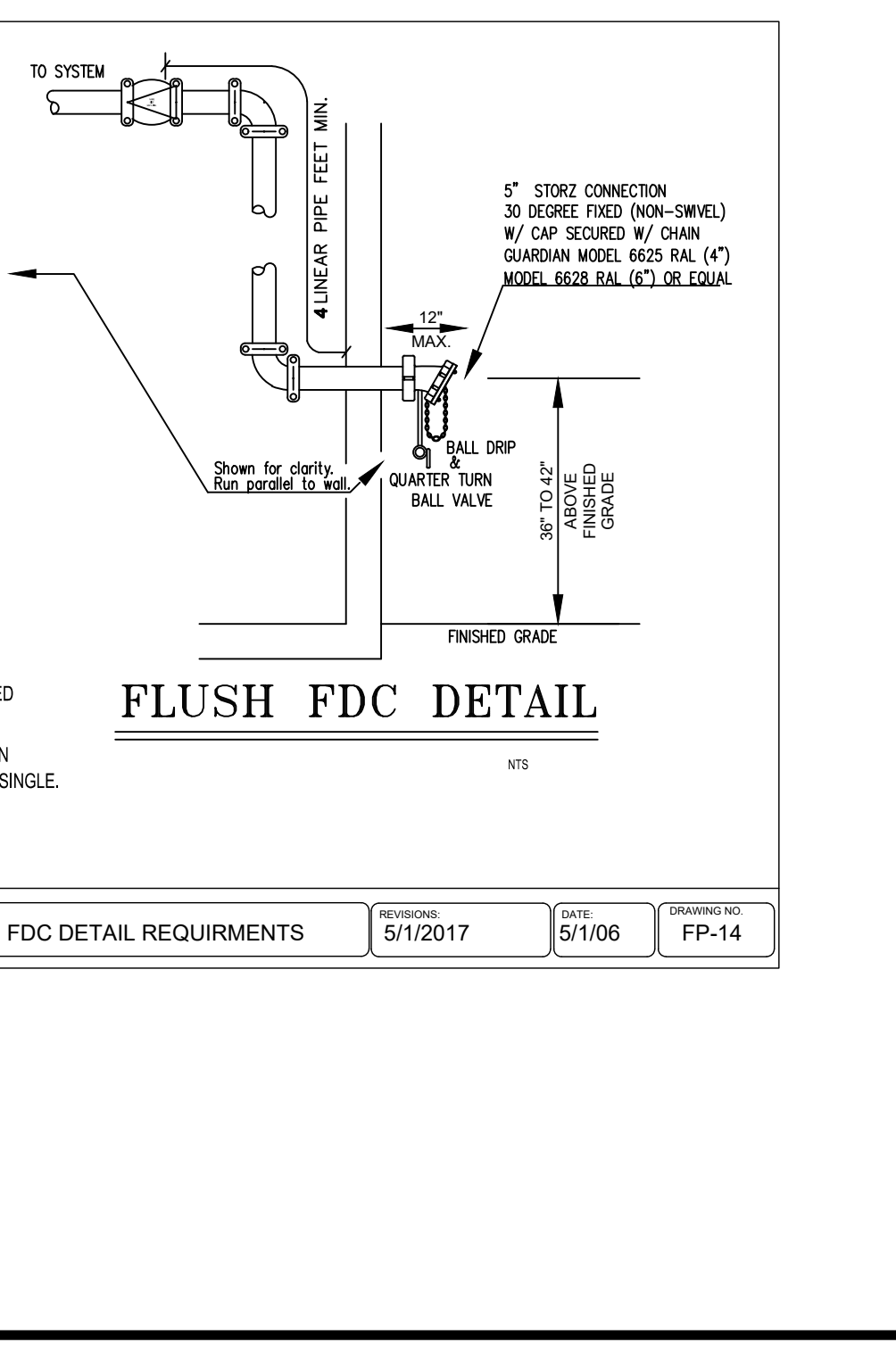
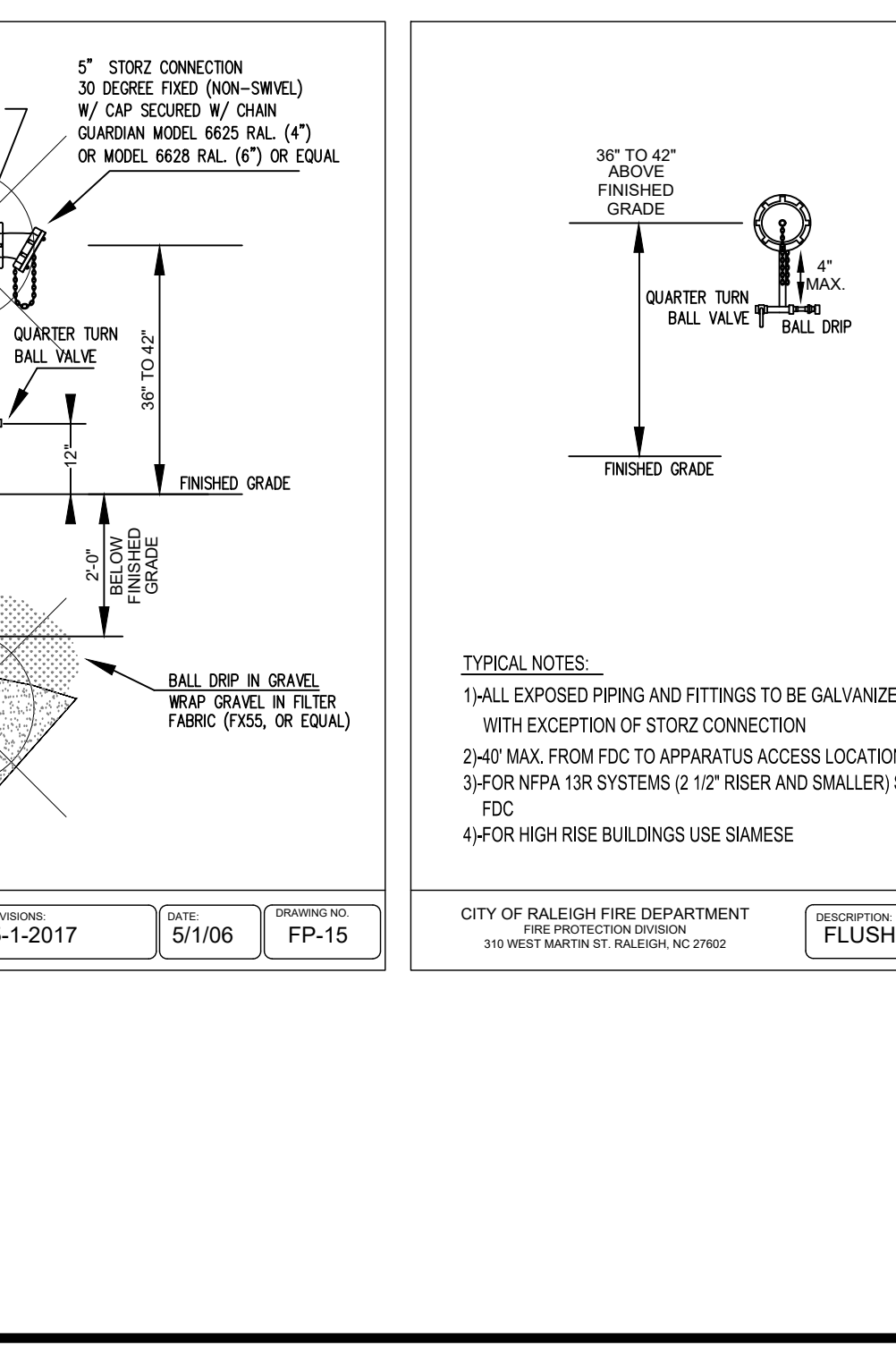
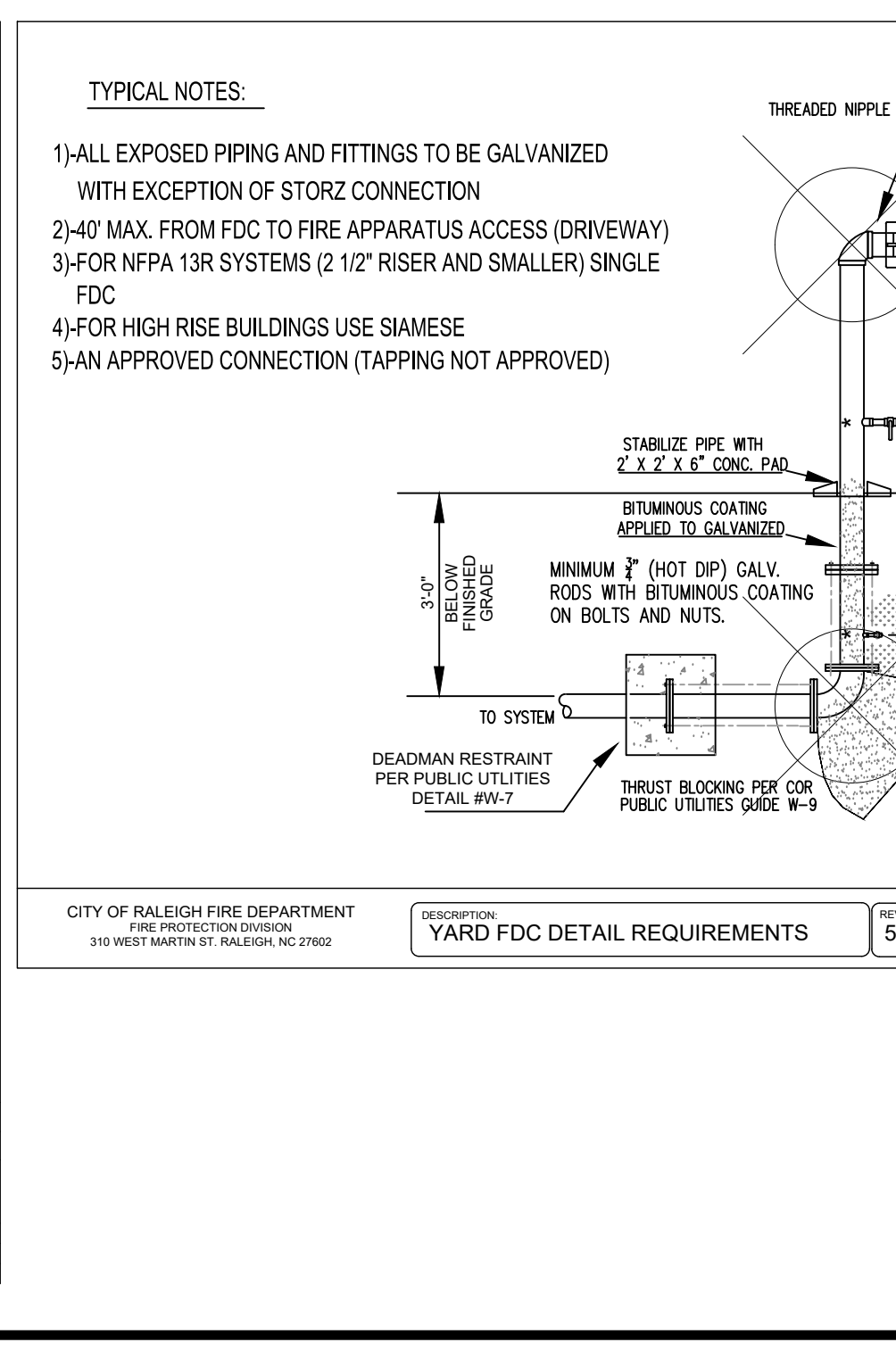
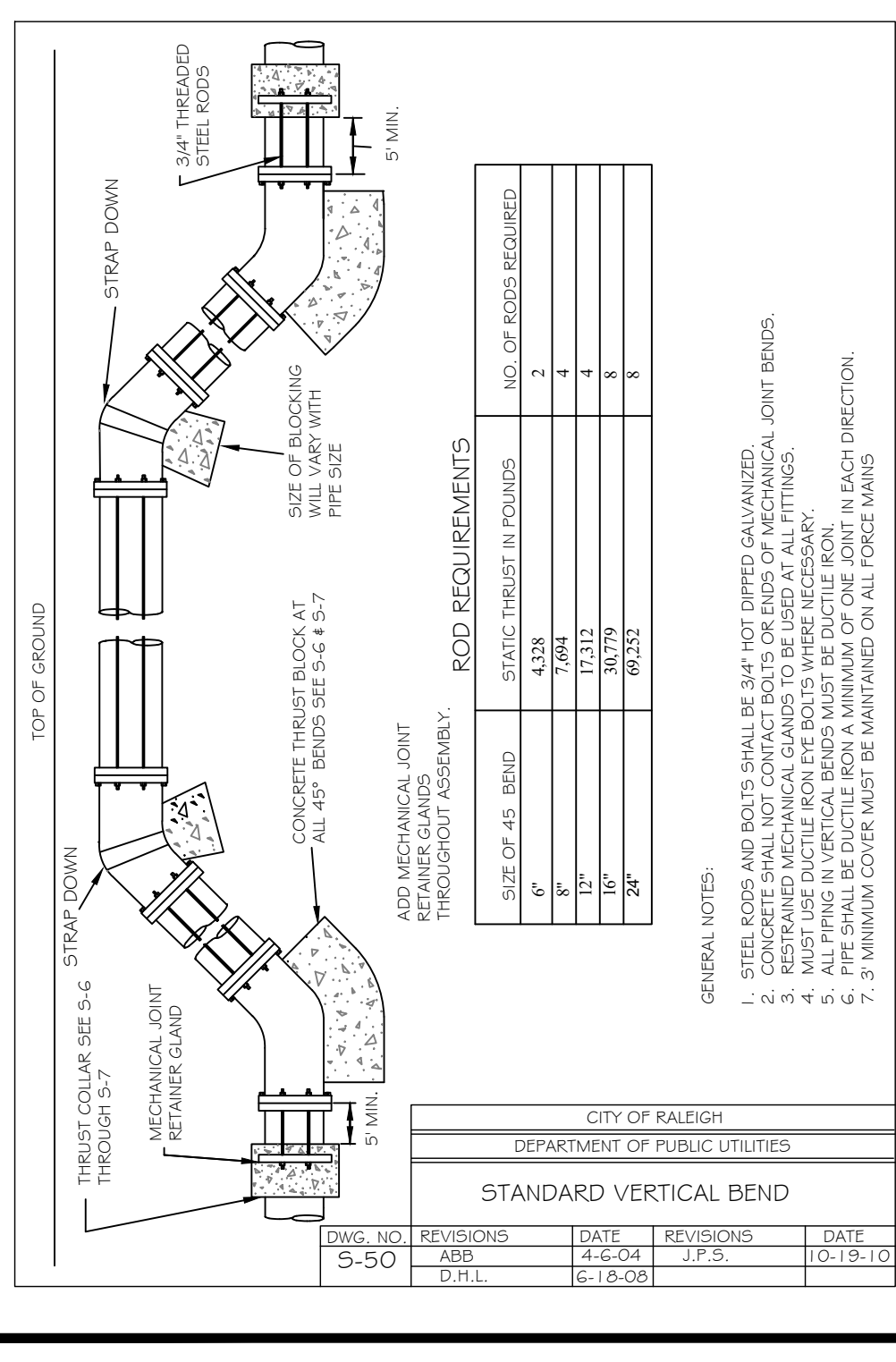
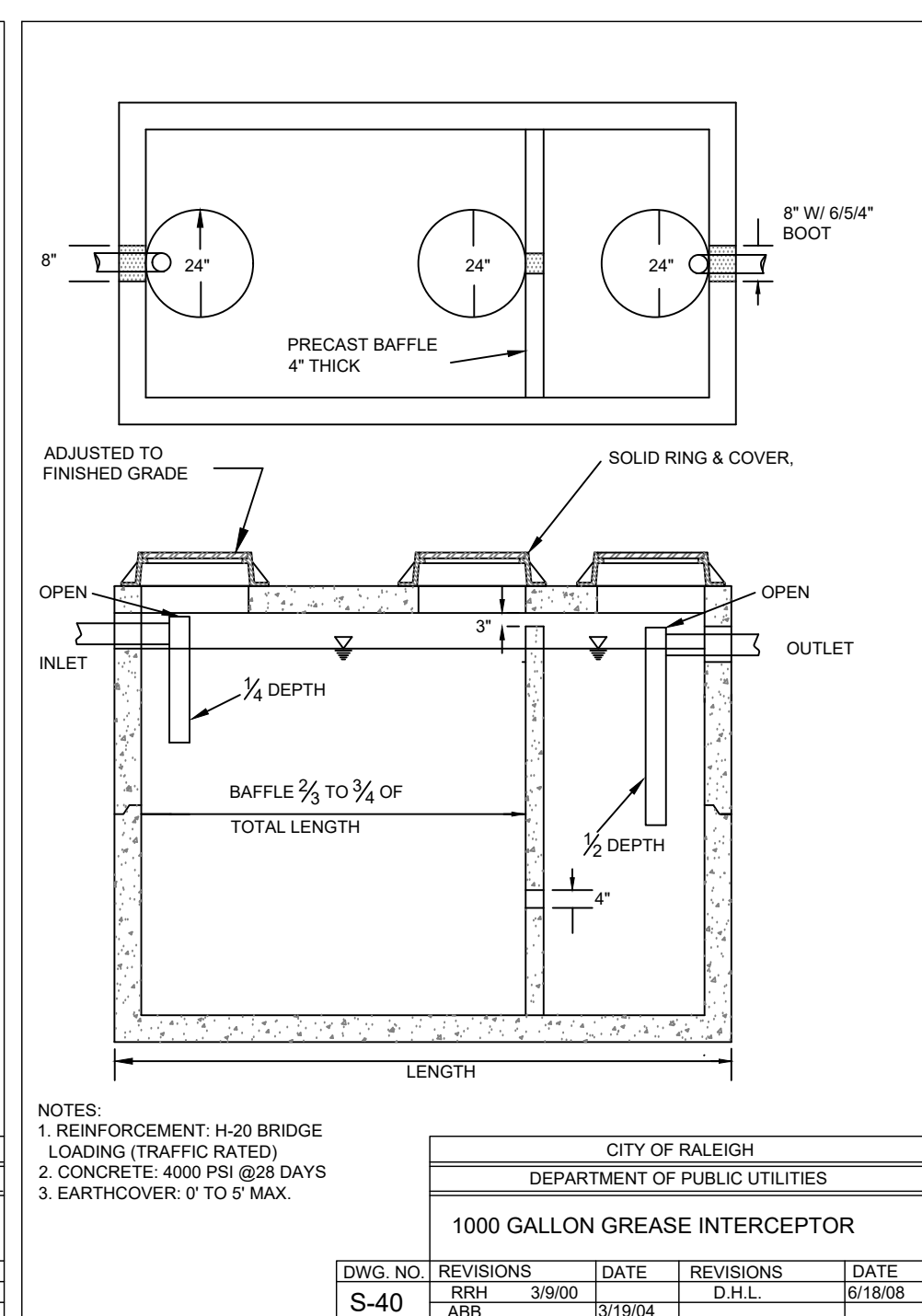
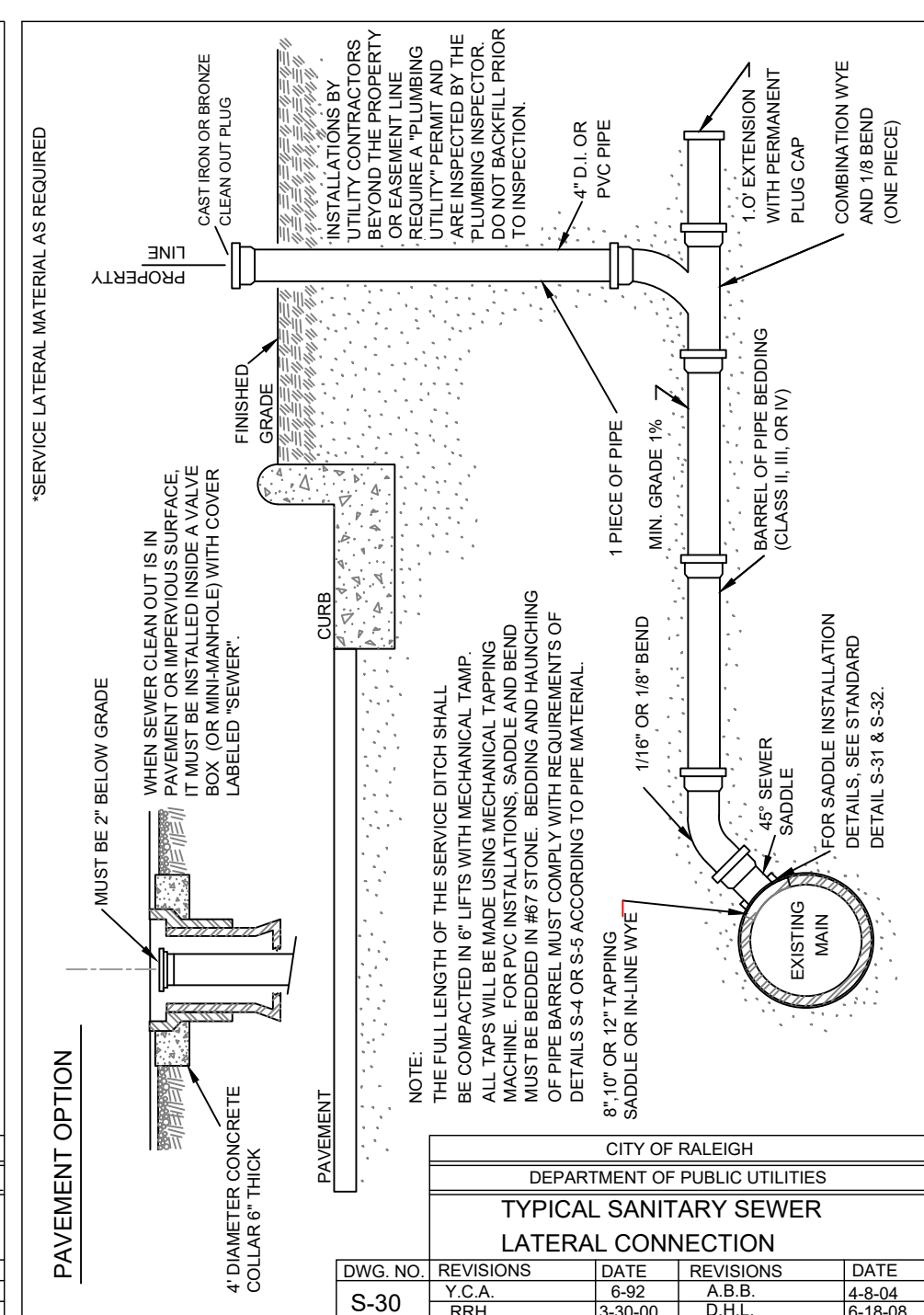
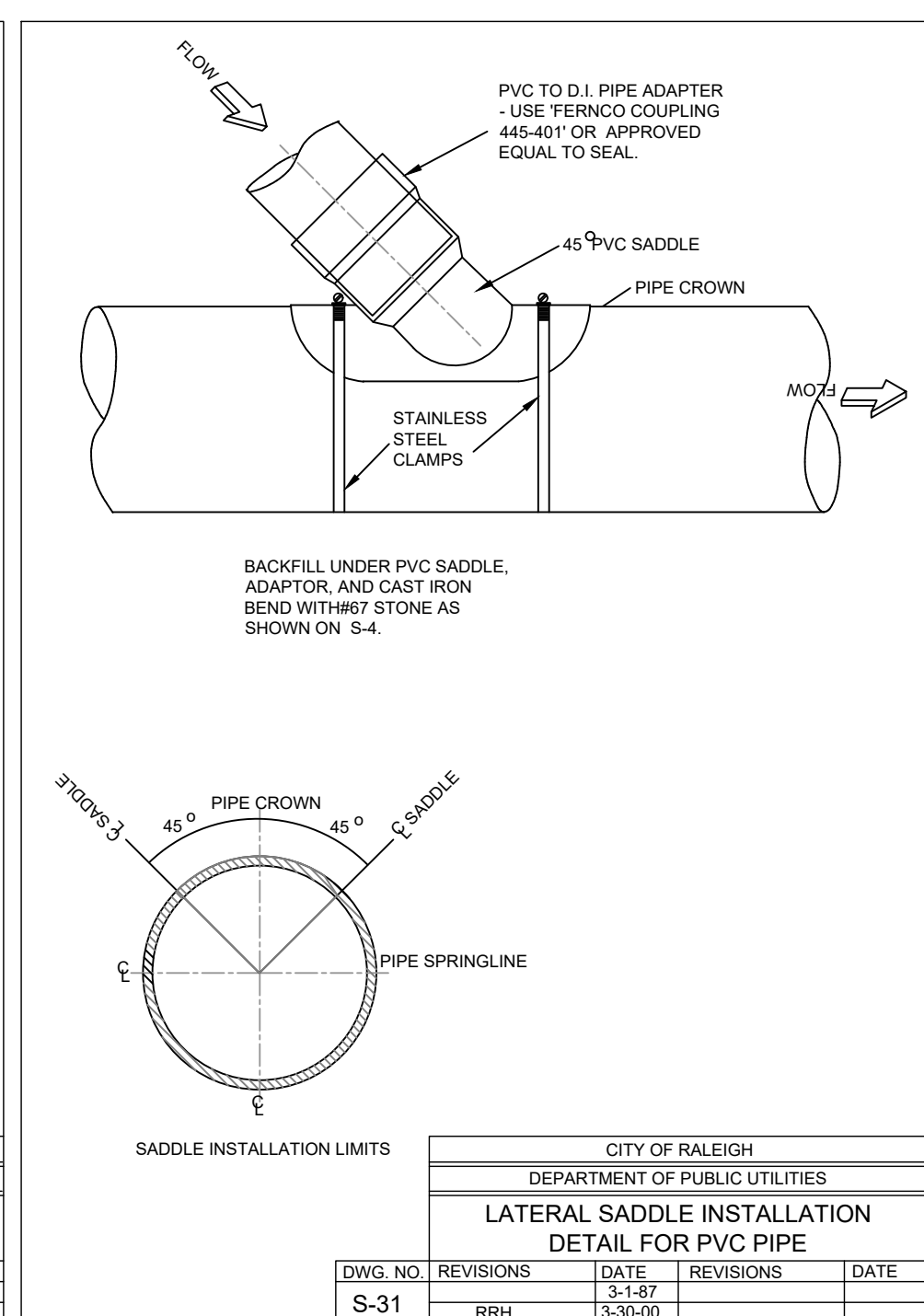
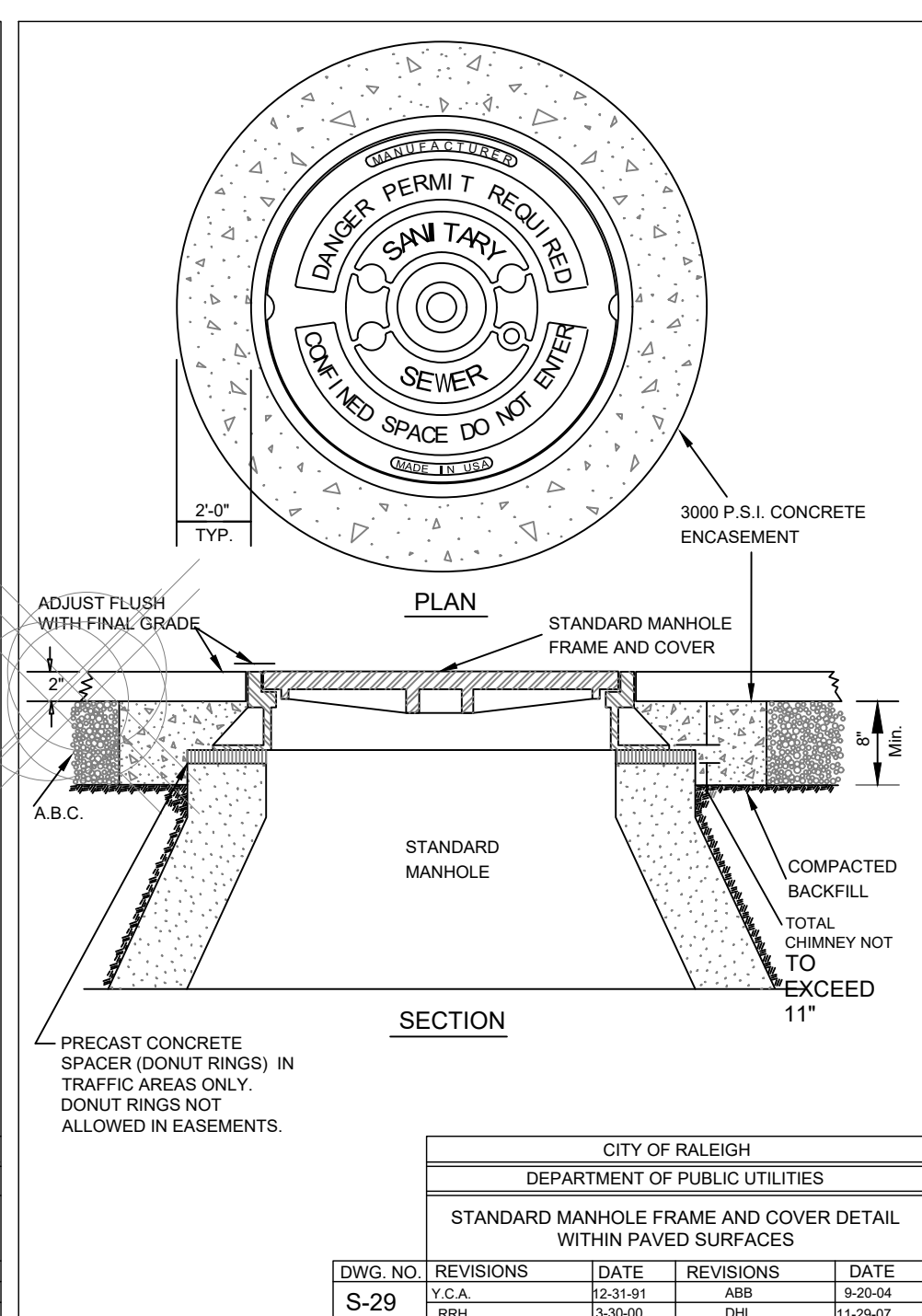
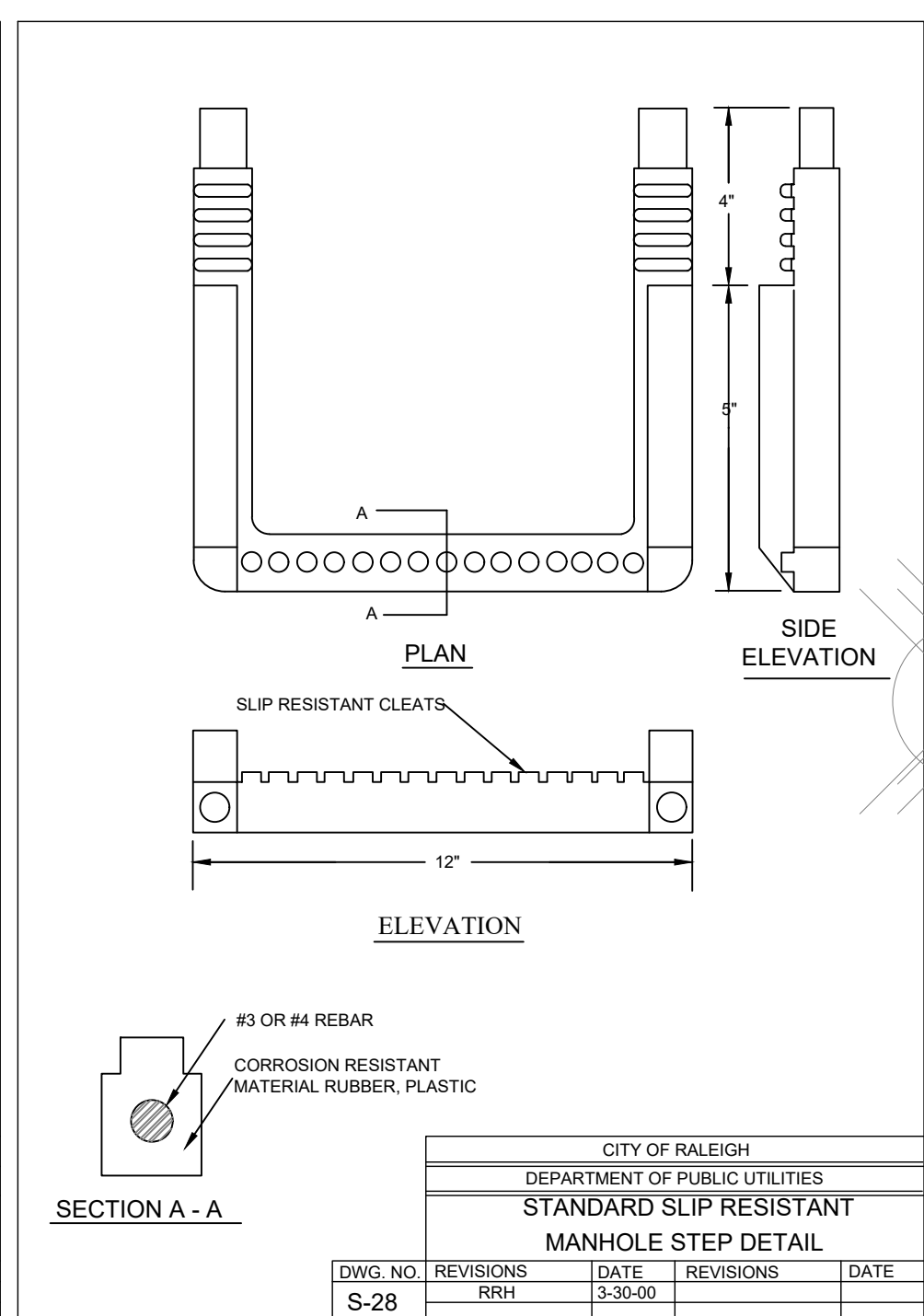
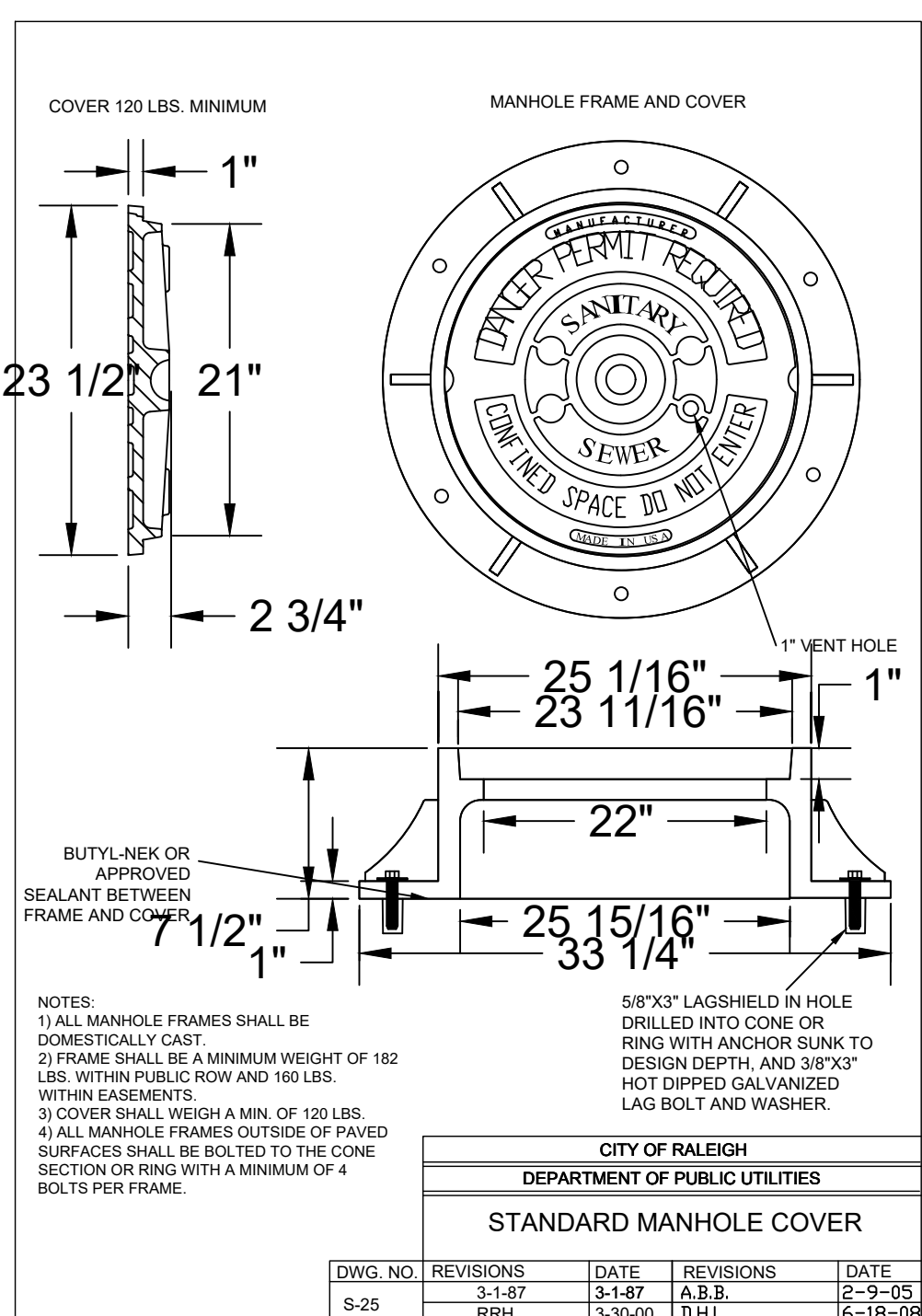
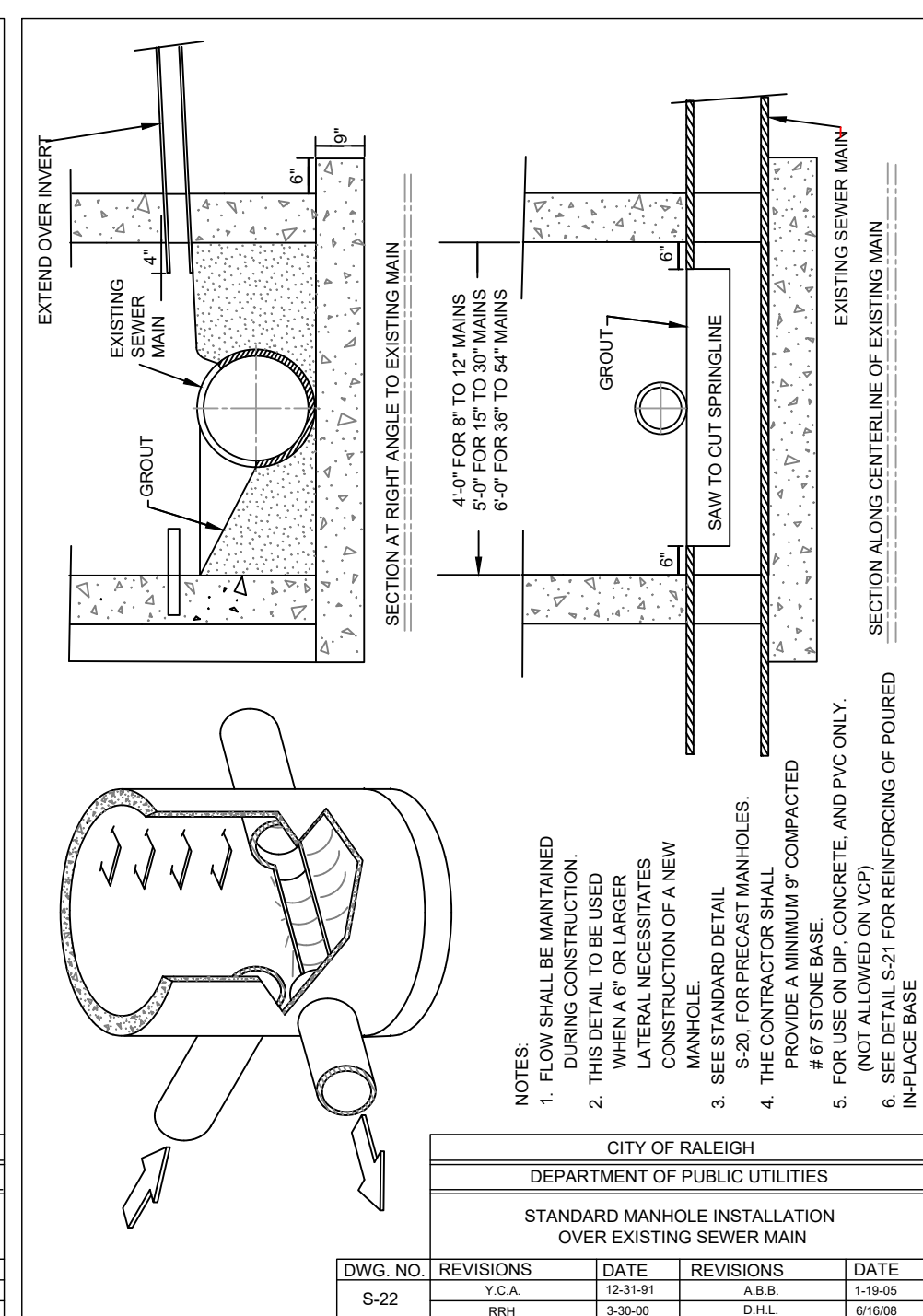
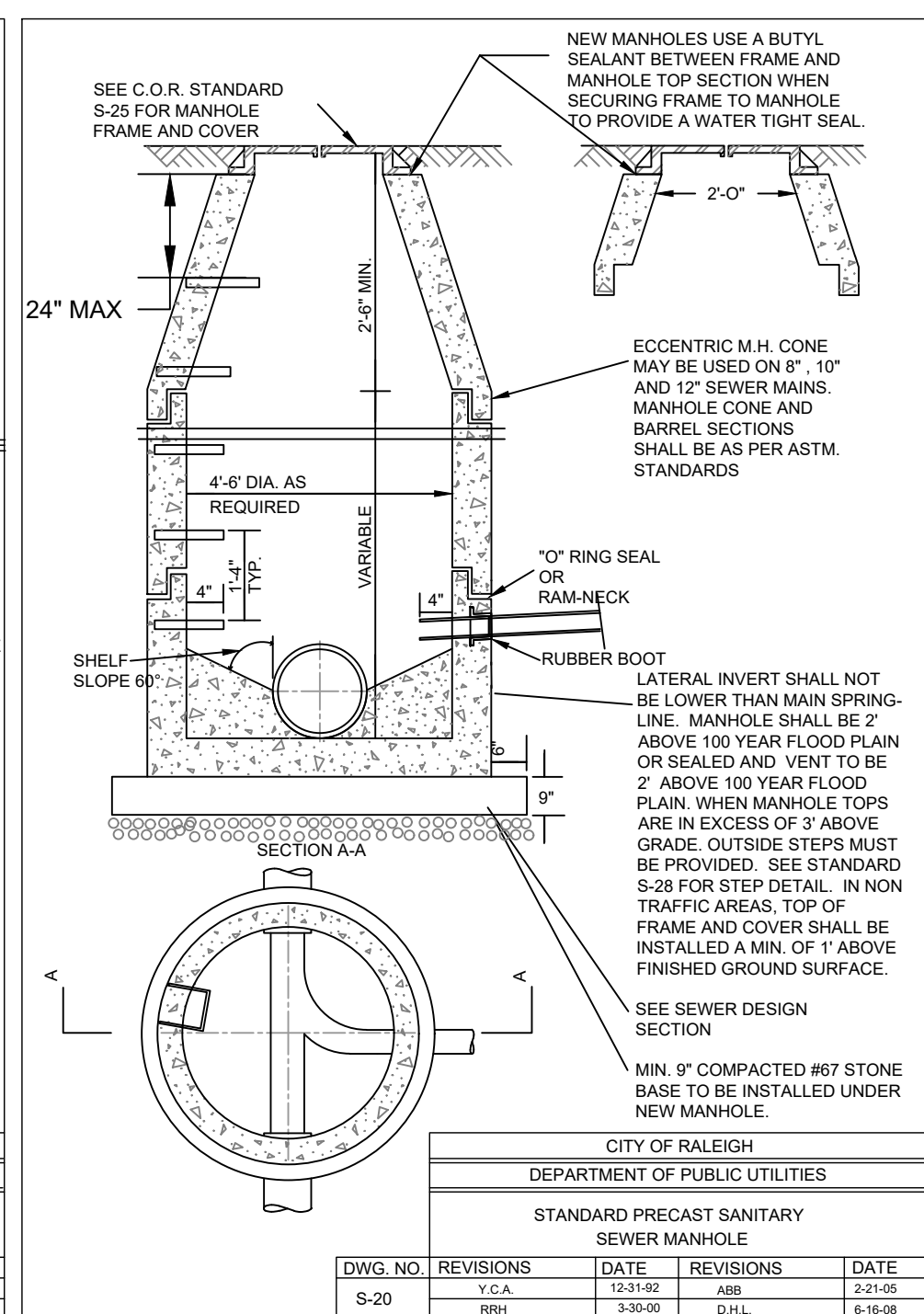
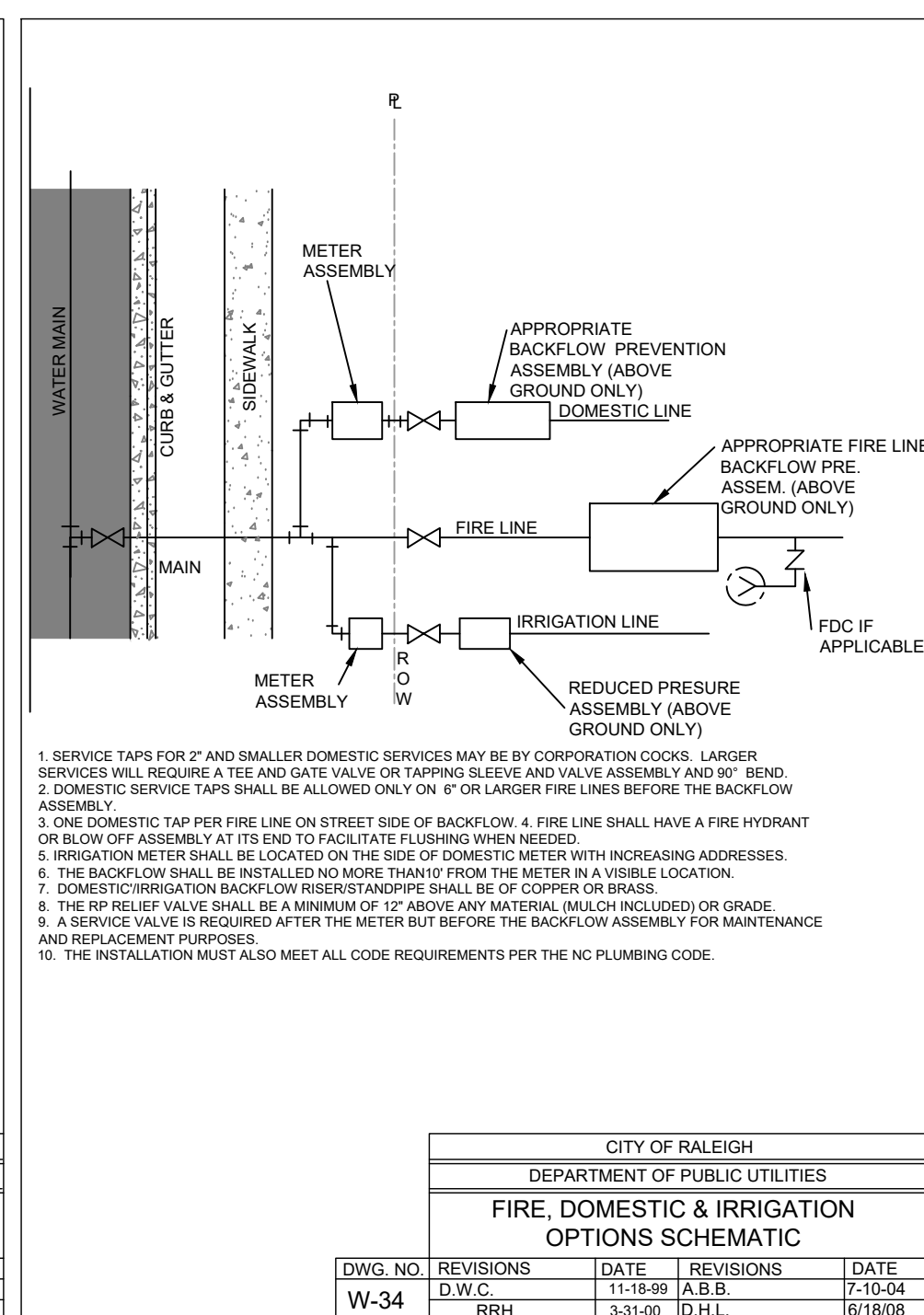
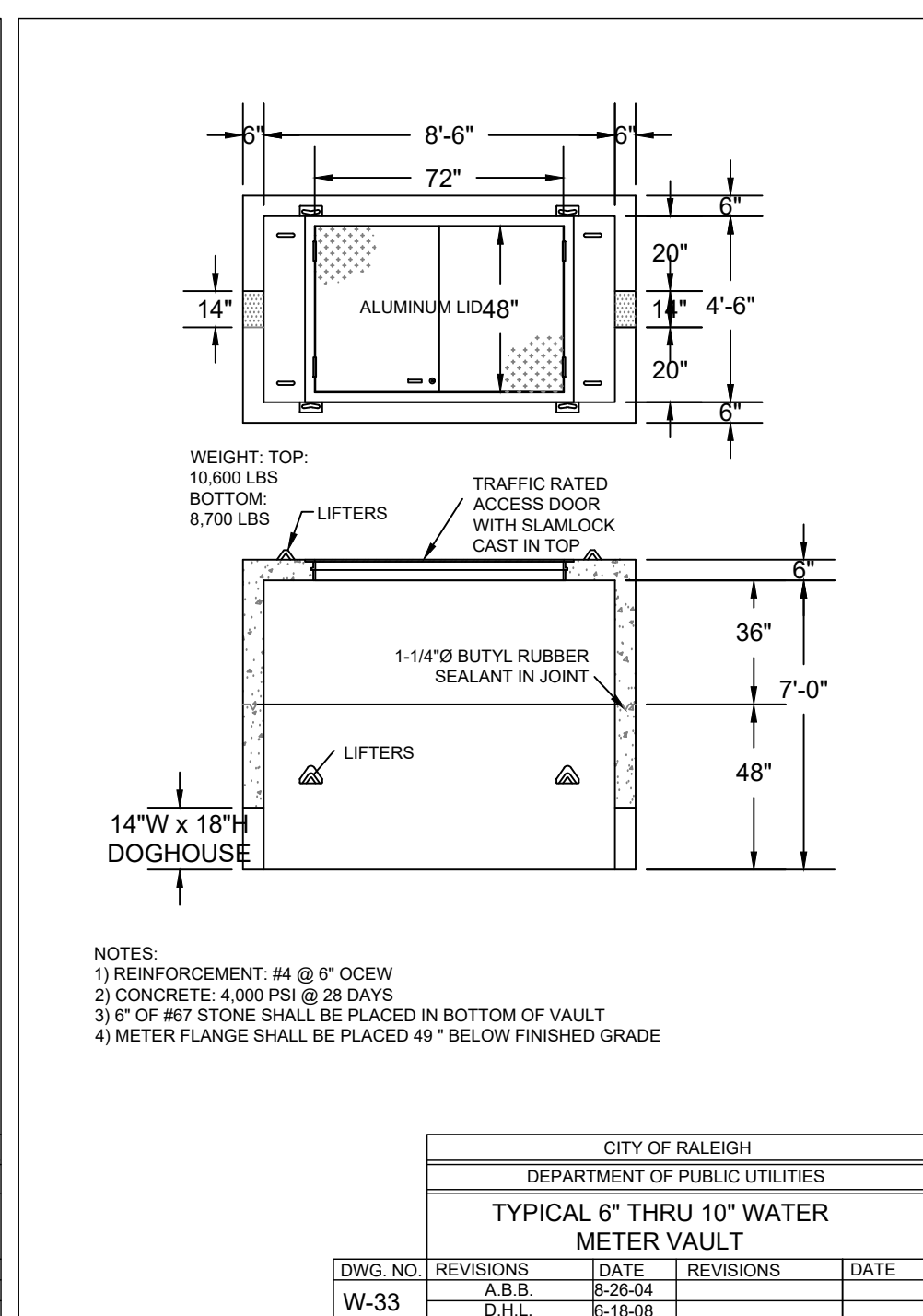
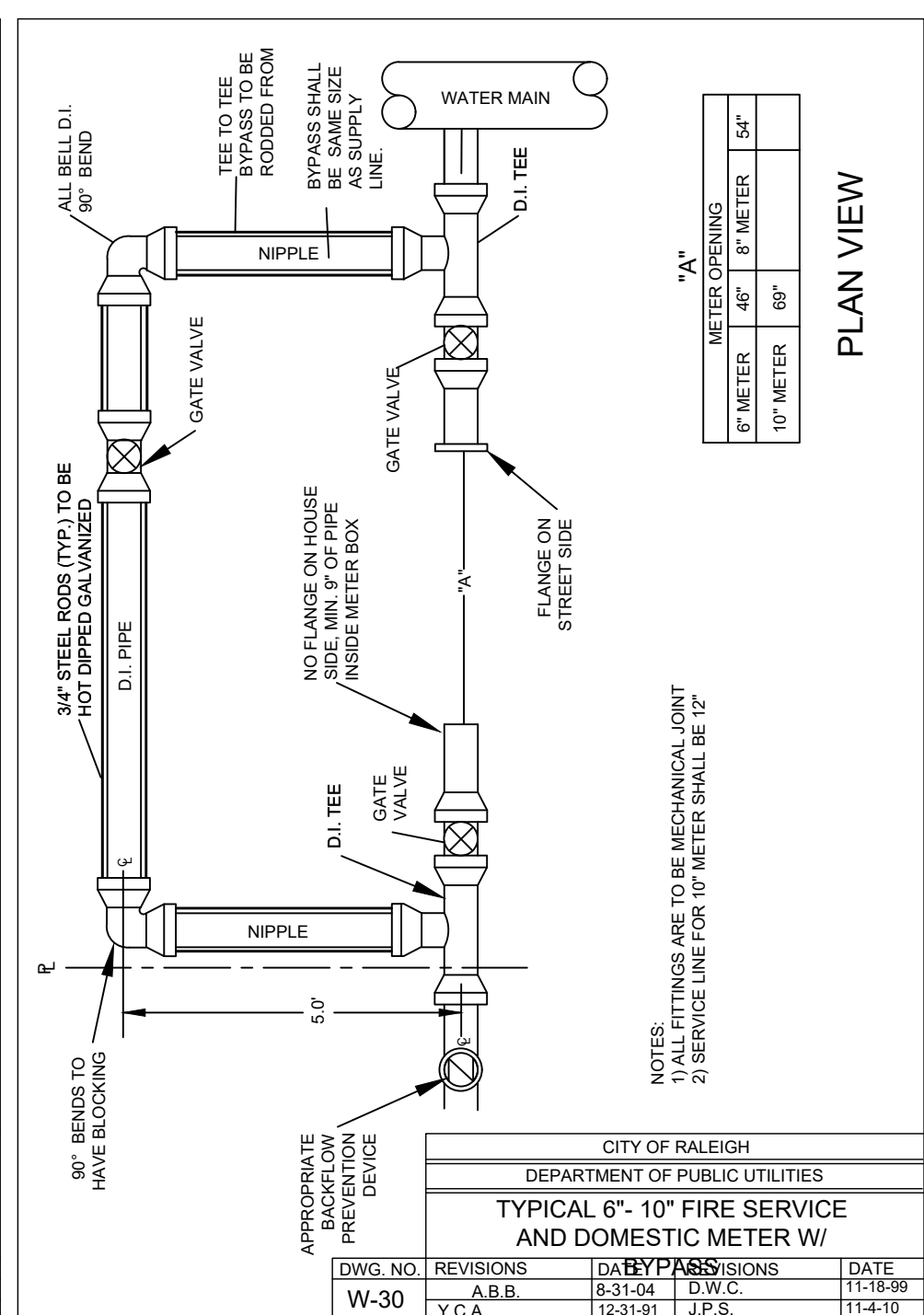
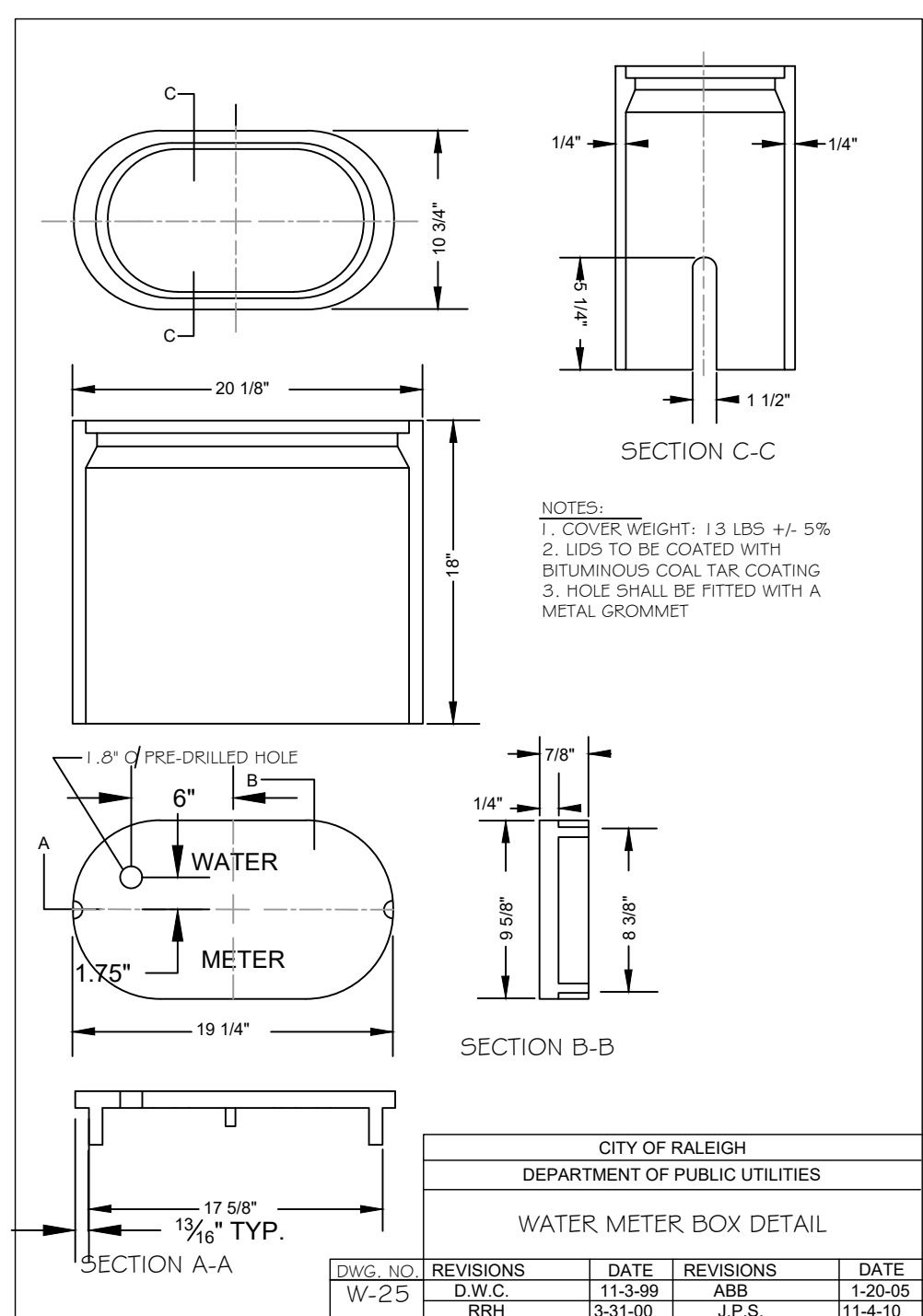
REVISIONS:

NO.	DESCRIPTION	DATE	BY
06/01/23	CONSTRUCTION DRAWINGS SUBMITTAL		

DATE: 07/05/2023

DESIGNED BY: DBB/MS
DRAWN BY: MS
CHECKED BY: DBB
PROJECT No. 2023018
DRAWING No. W-4081
SCALE: AS SHOWN
SHEET No.

NOTE:
RELEASED FOR SITE PLAN REVIEW ONLY.
NOT FOR CONSTRUCTION.



REVISIONS:

NO.	DATE	BY	DESCRIPTION
06/01/23			CONSTRUCTION DRAWINGS SUBMITTAL

NOTE: RELEASED FOR SITE PLAN REVIEW ONLY. NOT FOR CONSTRUCTION.



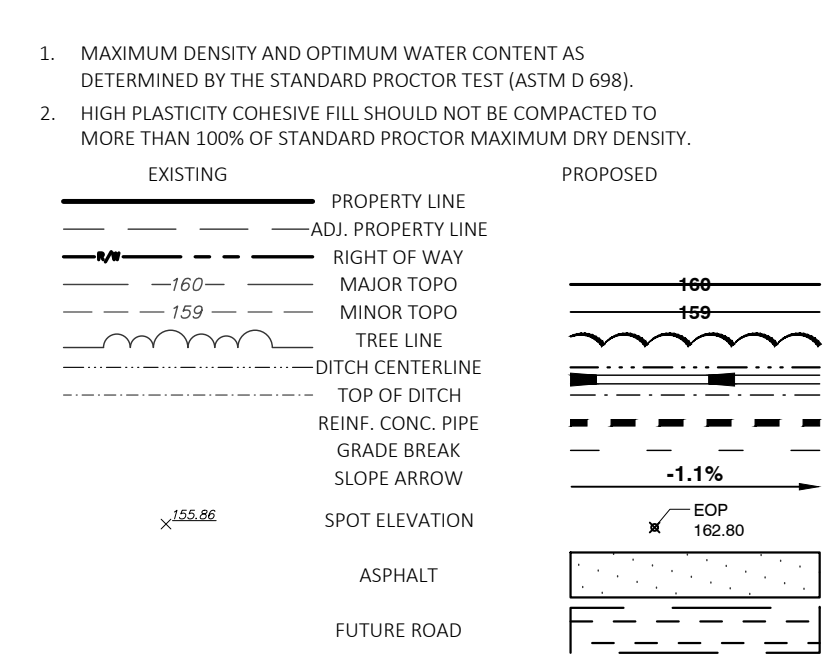
REVISIONS:

NO.	DESCRIPTION	DATE	BY
06/01/23	CONSTRUCTION DRAWINGS SUBMITTAL		

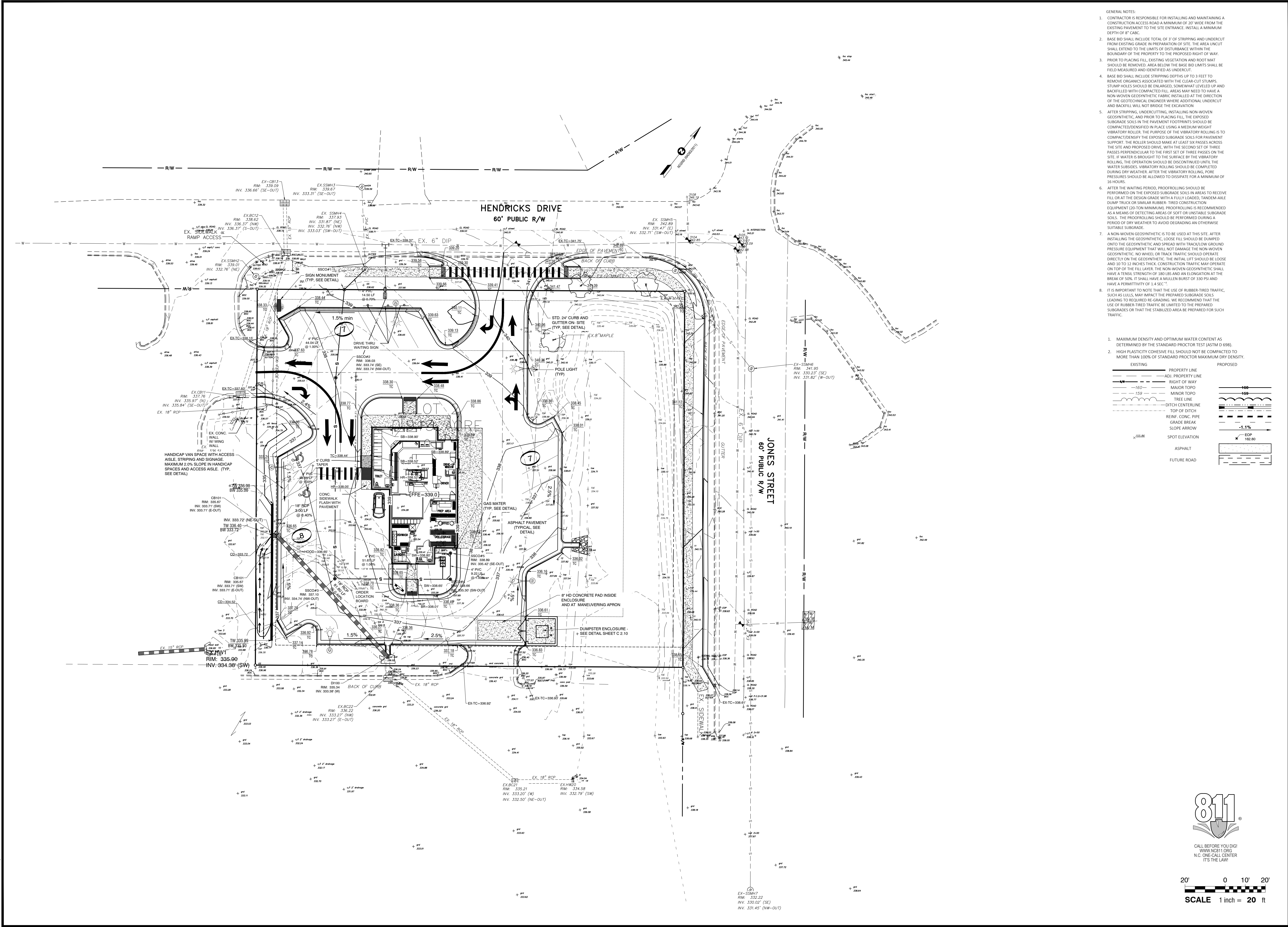
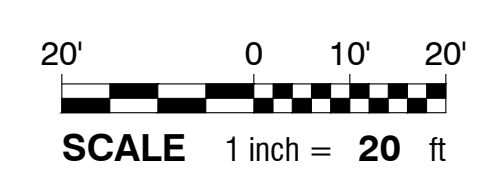
CONSTRUCTION DRAWINGS
DOMINO'S ZEBULON
 TOWN OF ZEBULON - WAKE COUNTY - NORTH CAROLINA
STORMWATER AND GRADING PLAN

DATE: 07/05/2023
 DESIGNED BY: JSJ/MS
 DRAWN BY: MS
 CHECKED BY: JSJ
 PROJECT No. 2023018
 DRAWING No. W-4081
 SCALE: AS SHOWN
 SHEET No. **C4.01**

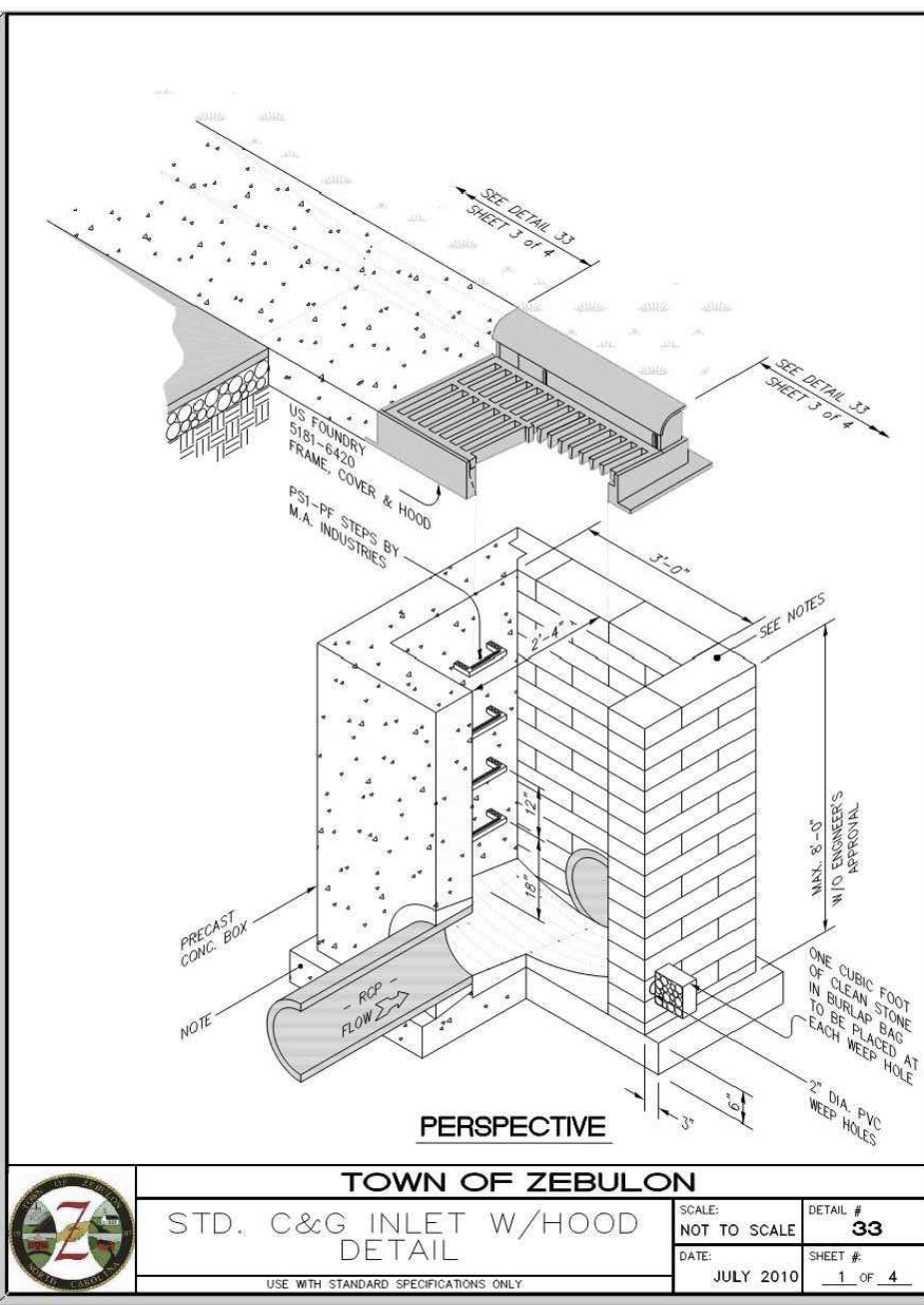
- GENERAL NOTES:
- CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING A CONSTRUCTION ACCESS ROAD A MINIMUM OF 20' WIDE FROM THE EXISTING PAVEMENT TO THE SITE ENTRANCE. INSTALL A MINIMUM DEPTH OF 8" C&G.
 - BASE BID SHALL INCLUDE TOTAL OF 3' OF STRIPPING AND UNDERCUT FROM EXISTING GRADE IN PREPARATION OF SITE. THE AREA UNCUT SHALL EXTEND TO THE LIMITS OF DISTURBANCE WITHIN THE BOUNDARY OF THE PROPERTY TO THE PROPOSED RIGHT OF WAY.
 - PRIOR TO PLACING FILL, EXISTING VEGETATION AND ROOT MAT SHOULD BE REMOVED. AREA BELOW THE BASE BID LIMITS SHALL BE FIELD MEASURED AND IDENTIFIED AS UNDERCUT.
 - BASE BID SHALL INCLUDE STRIPPING DEPTHS UP TO 3 FEET TO REMOVE ORGANICS ASSOCIATED WITH THE CLEAR-CUT STUMPS. STUMP HOLES SHOULD BE ENLARGED, SOMEWHAT LEVELED UP AND BACKFILLED WITH COMPACTED FILL. AREAS MAY NEED TO HAVE A NON-WOVEN GEOSYNTHETIC FABRIC INSTALLED IN THE DIRECTION OF THE GEOTECHNICAL ENGINEER WHERE ADDITIONAL UNDERCUT AND BACKFILL WILL NOT BRIDGE THE EXCAVATION.
 - AFTER STRIPPING, UNDERCUTTING, INSTALLING NON-WOVEN GEOSYNTHETIC, AND PRIOR TO PLACING FILL, THE EXPOSED SUBGRADE SOILS IN THE PAVEMENT FOOTPRINTS SHOULD BE COMPACTED/DENSIFIED IN PLACE USING A MEDIUM WEIGHT VIBRATORY ROLLER. THE PURPOSE OF THE VIBRATORY ROLLING IS TO COMPACT/DENSIFY THE EXPOSED SUBGRADE SOILS FOR PAVEMENT SUPPORT. THE ROLLER SHOULD MAKE AT LEAST SIX PASSES ACROSS THE SITE AND PROPOSED DRIVE. WITH THE SECOND SET OF THREE PASSES PERPENDICULAR TO THE FIRST SET OF THREE PASSES ON THE SITE. IF WATER IS BROUGHT TO THE SURFACE BY THE VIBRATORY ROLLING, THE OPERATION SHOULD BE DISCONTINUED UNTIL THE WATER SUBSIDES. VIBRATORY ROLLING SHOULD BE COMPLETED DURING DRY WEATHER. AFTER THE VIBRATORY ROLLING, PORE PRESSURES SHOULD BE ALLOWED TO DISSIPATE FOR A MINIMUM OF 16 HOURS.
 - AFTER THE WAITING PERIOD, PROOFROLLING SHOULD BE PERFORMED ON THE EXPOSED SUBGRADE SOILS IN AREAS TO RECEIVE FILL OR AT THE DESIGN GRADE WITH A FULLY LOADED, TANDEM-AXLE DUMP TRUCK OR SIMILAR RUBBER-TIRED CONSTRUCTION EQUIPMENT (20-TON MINIMUM). PROOFROLLING IS RECOMMENDED AS A MEANS OF DETECTING AREAS OF SOFT OR UNSTABLE SUBGRADE SOILS. THE PROOFROLLING SHOULD BE PERFORMED DURING A PERIOD OF DRY WEATHER TO AVOID DEGRADING AN OTHERWISE SUITABLE SUBGRADE.
 - A NON-WOVEN GEOSYNTHETIC IS TO BE USED AT THIS SITE. AFTER INSTALLING THE GEOSYNTHETIC, LOOSE FILL SHOULD BE DUMPED ONTO THE GEOSYNTHETIC AND SPREAD WITH TRACK-LOW GROUND PRESSURE EQUIPMENT THAT WILL NOT DAMAGE THE NON-WOVEN GEOSYNTHETIC. NO WHEEL OR TRACK TRAFFIC SHOULD OPERATE DIRECTLY ON THE GEOSYNTHETIC. THE INITIAL LIFT SHOULD BE LOOSE AND 10 TO 12 INCHES THICK. CONSTRUCTION TRAFFIC MAY OPERATE ON TOP OF THE FILL LAYER. THE NON-WOVEN GEOSYNTHETIC SHALL HAVE A TENSILE STRENGTH OF 180 LBS AND AN ELONGATION AT THE BREAK OF 50%. IT SHALL HAVE A MULLEN BURST OF 300 PSI AND HAVE A PERMITTIVITY OF 1.4 SEC².
 - IT IS IMPORTANT TO NOTE THAT THE USE OF RUBBER-TIRED TRAFFIC, SUCH AS LULUS, MAY IMPACT THE PREPARED SUBGRADE SOILS LEADING TO REQUIRED RE-GRADING. WE RECOMMEND THAT THE USE OF RUBBER-TIRED TRAFFIC BE LIMITED TO THE PREPARED SUBGRADES OR THAT THE STABILIZED AREA BE PREPARED FOR SUCH TRAFFIC.



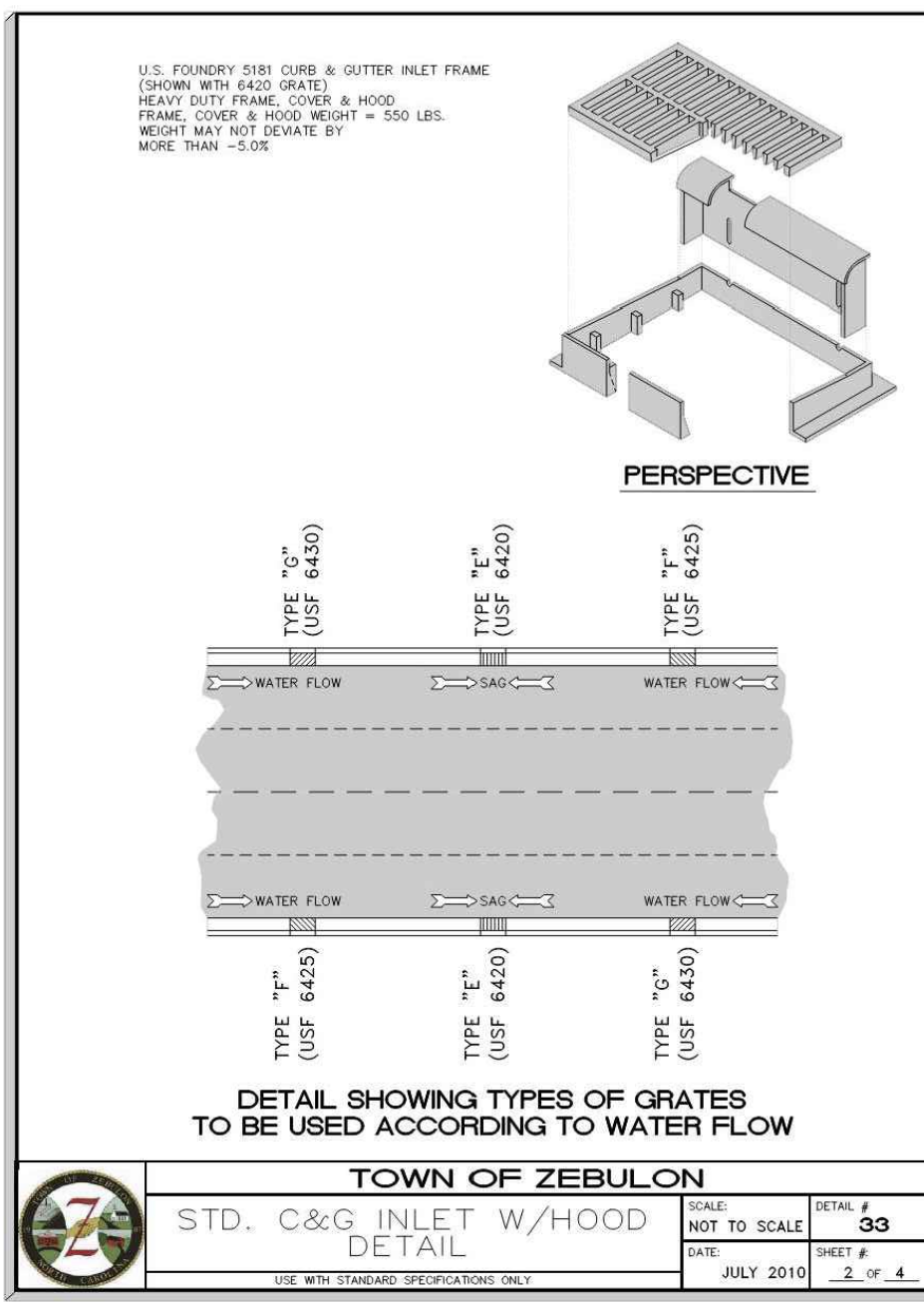
- MAXIMUM DENSITY AND OPTIMUM WATER CONTENT AS DETERMINED BY THE STANDARD PROCTOR TEST (ASTM D 698).
- HIGH PLASTICITY COHESIVE FILL SHOULD NOT BE COMPACTED TO MORE THAN 100% OF STANDARD PROCTOR MAXIMUM DRY DENSITY.



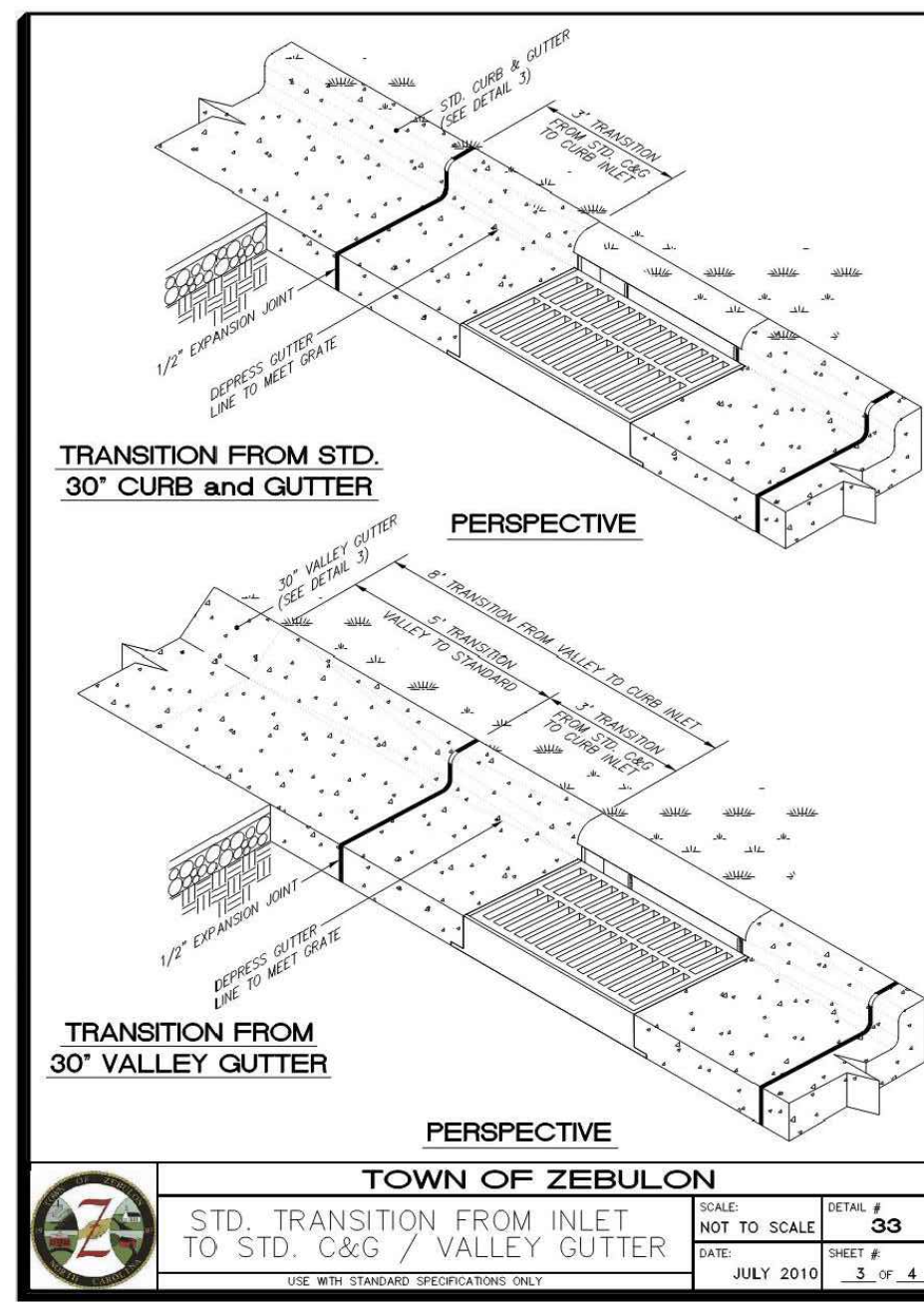
ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE. DATE OF DECLASSIFICATION: UNDETERMINED.



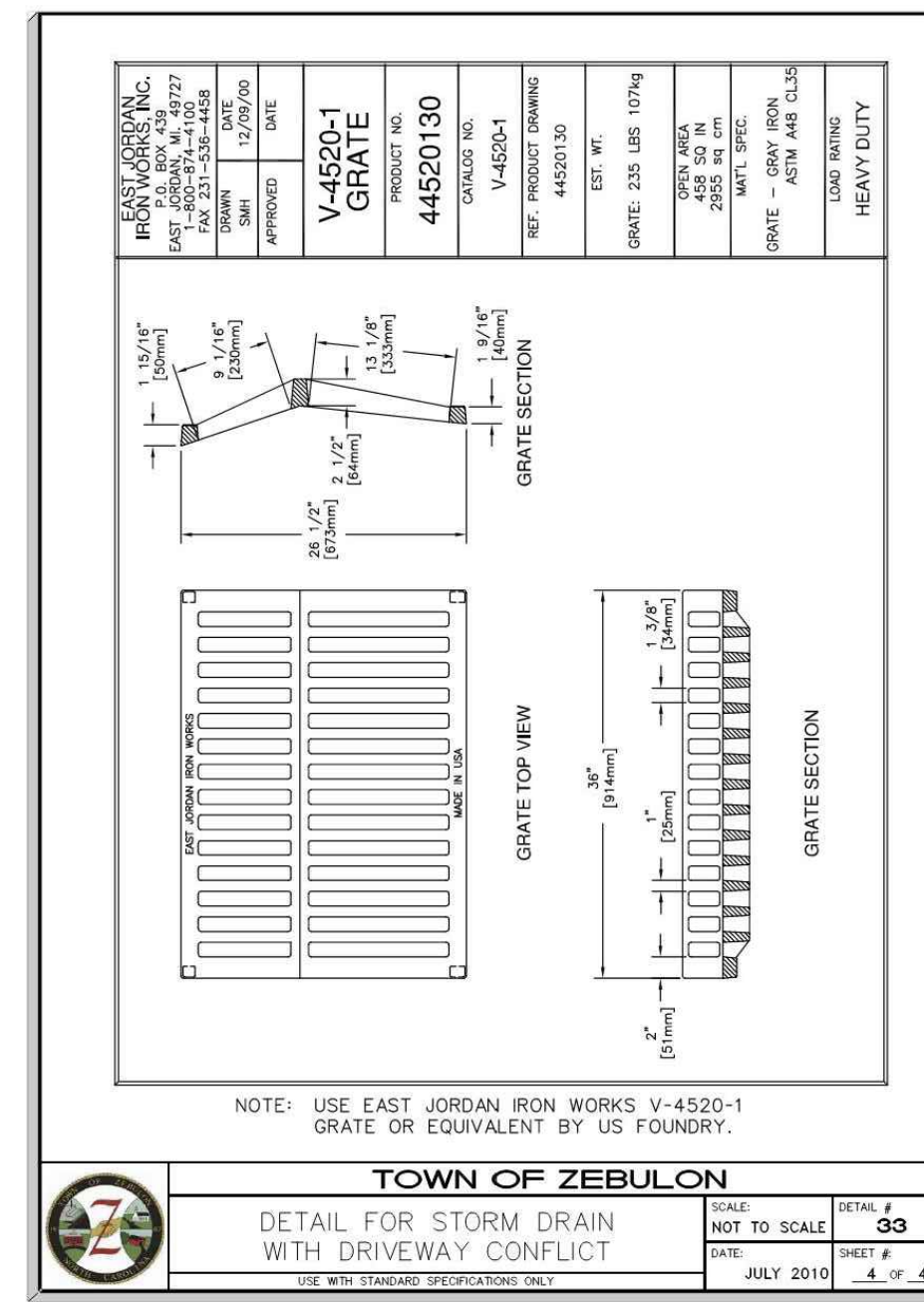
TOWN OF ZEBULON
STD. C&G INLET W/HOOD
DETAIL # 33
SCALE: NOT TO SCALE
DATE: JULY 2010
SHEET # 1 OF 4



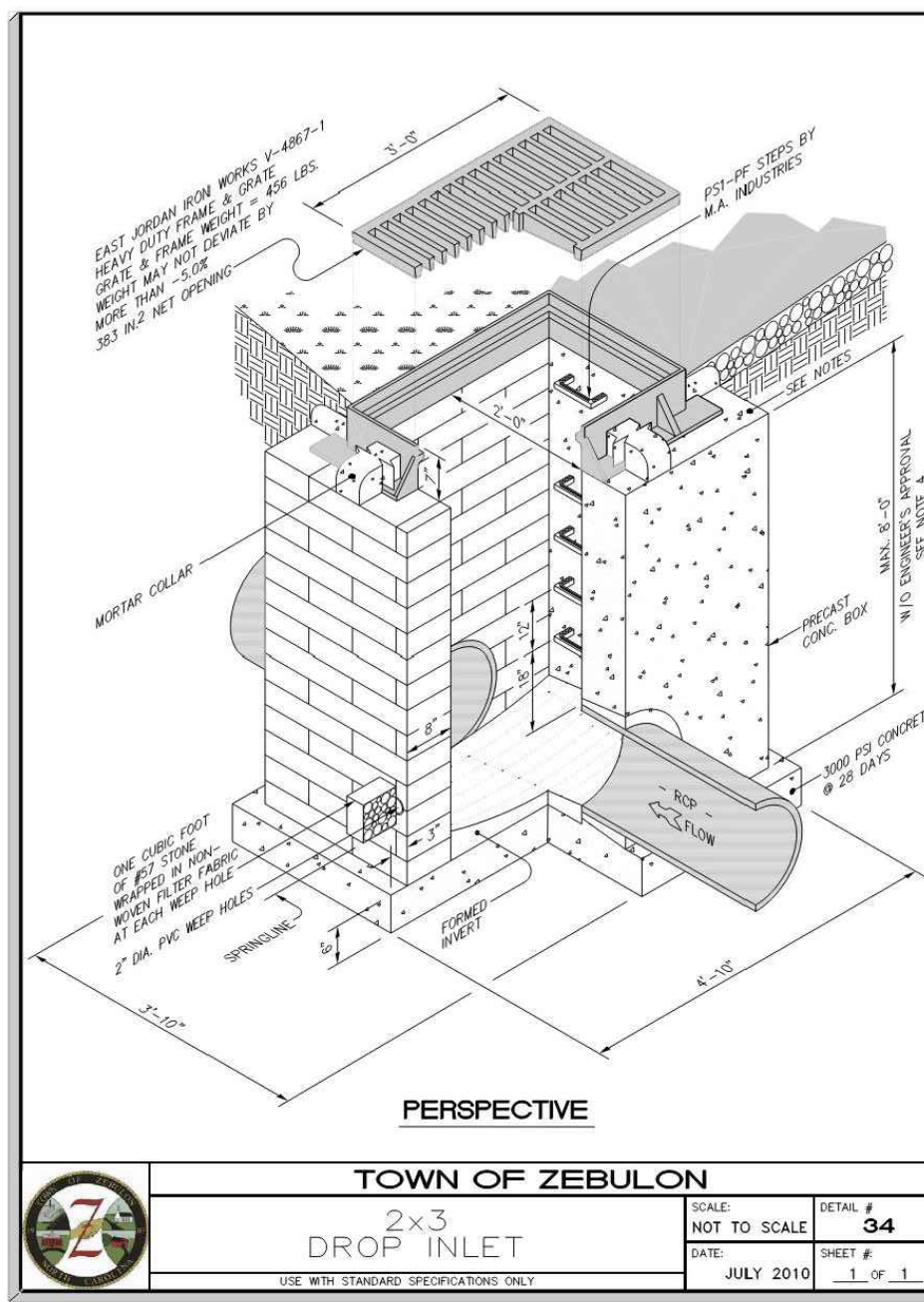
TOWN OF ZEBULON
STD. C&G INLET W/HOOD
DETAIL # 33
SCALE: NOT TO SCALE
DATE: JULY 2010
SHEET # 2 OF 4



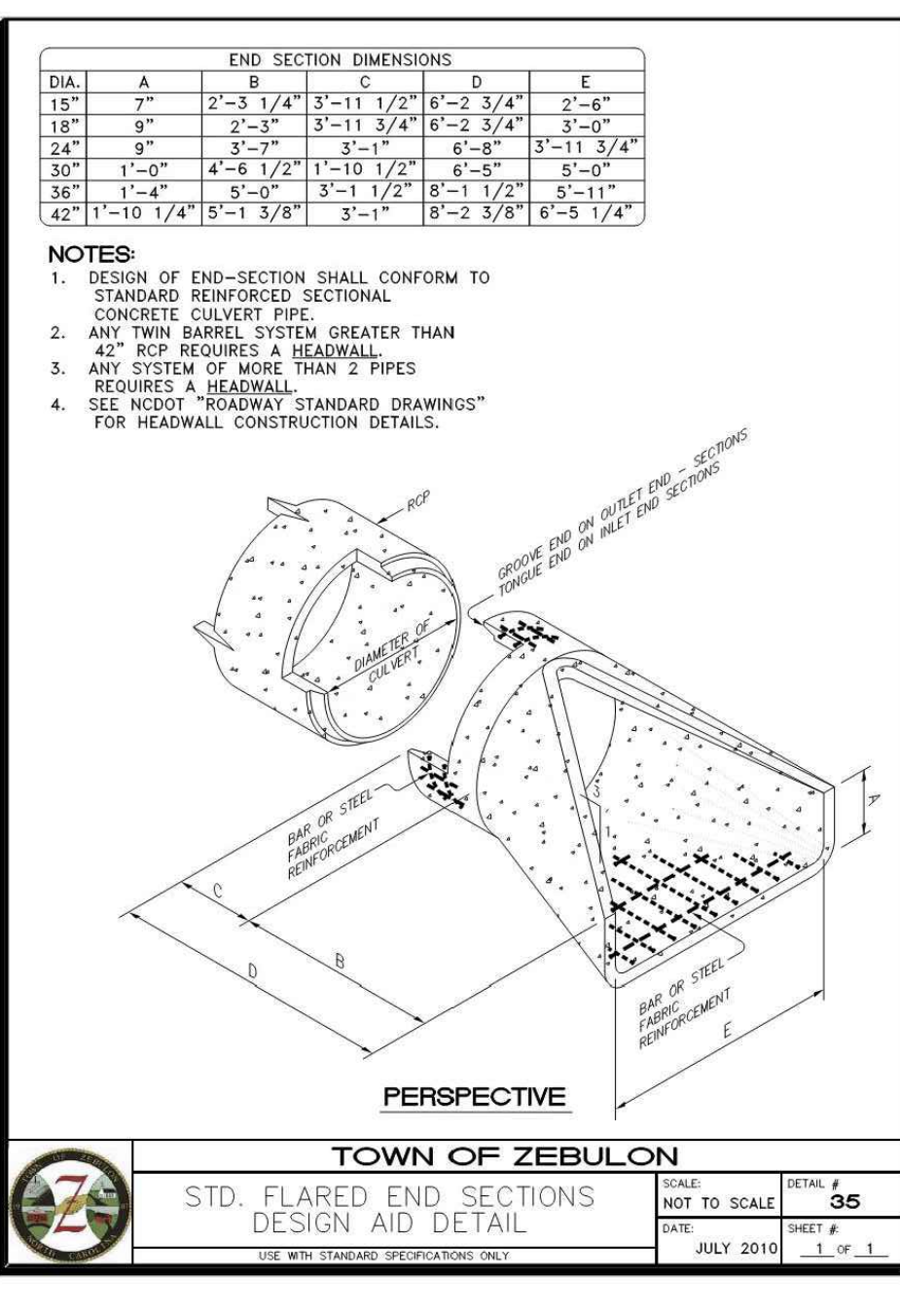
TOWN OF ZEBULON
STD. TRANSITION FROM INLET
TO STD. C&G / VALLEY GUTTER
DETAIL # 33
SCALE: NOT TO SCALE
DATE: JULY 2010
SHEET # 3 OF 4



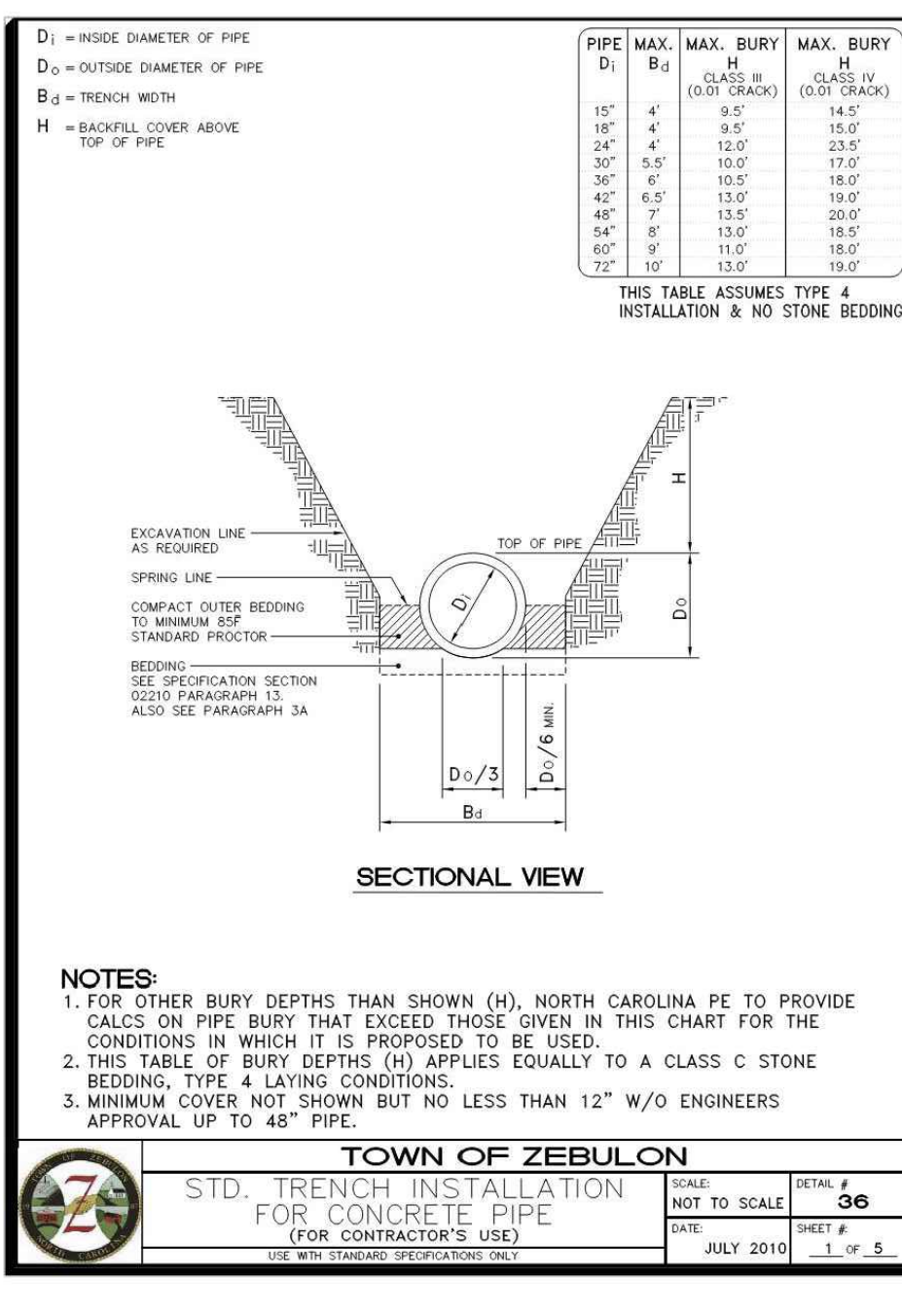
TOWN OF ZEBULON
DETAIL FOR STORM DRAIN
WITH DRIVEWAY CONFLICT
DETAIL # 33
SCALE: NOT TO SCALE
DATE: JULY 2010
SHEET # 4 OF 4



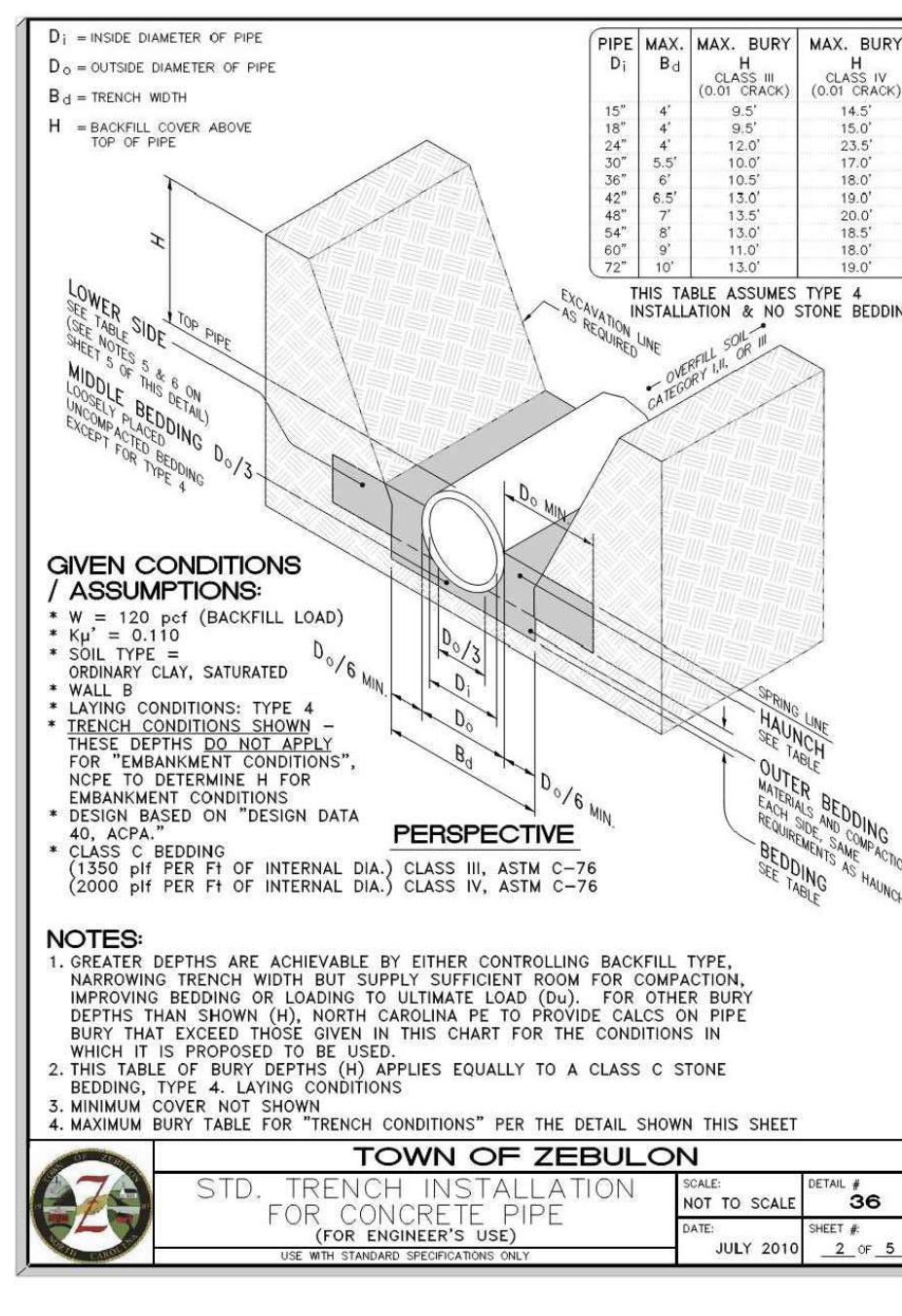
TOWN OF ZEBULON
2x3
DROP INLET
DETAIL # 34
SCALE: NOT TO SCALE
DATE: JULY 2010
SHEET # 1 OF 1



TOWN OF ZEBULON
STD. FLARE END SECTIONS
DESIGN AND DETAIL # 35
SCALE: NOT TO SCALE
DATE: JULY 2010
SHEET # 1 OF 1



TOWN OF ZEBULON
STD. TRENCH INSTALLATION
FOR CONCRETE PIPE
DETAIL # 36
SCALE: NOT TO SCALE
DATE: JULY 2010
SHEET # 1 OF 5



TOWN OF ZEBULON
STD. TRENCH INSTALLATION
FOR CONCRETE PIPE
DETAIL # 36
SCALE: NOT TO SCALE
DATE: JULY 2010
SHEET # 2 OF 5

Table 1 Equivalent USCS and AASHTO Soil Classification for SDD Soil Designations

SDD Soil	Representative Soil Types		Percent Compaction	
	USCS	AASHTO	Standard Proctor	Modified Proctor
Gravelly Sand (Category 1)	SM, SP, SW, GP	A1-A3	100	95
			85	80
			80	75
Sandy Soil (Category 2)	SM, SP, ML, SW, GP, SC	A2-A4	100	95
			85	80
			80	75
Silty Soil (Category 3)	CL, ML, SC, SC	A5-A6	100	90
			85	80
			80	75
OH			100	90
			85	80
			80	75

TOWN OF ZEBULON
STD. TRENCH INSTALLATION
(TRENCH CONDITION SHOWN)
DETAIL # 36
SCALE: NOT TO SCALE
DATE: JULY 2010
SHEET # 3 OF 5

Table 2 Standard Embankment Installation Soils and Minimum Compaction Requirements

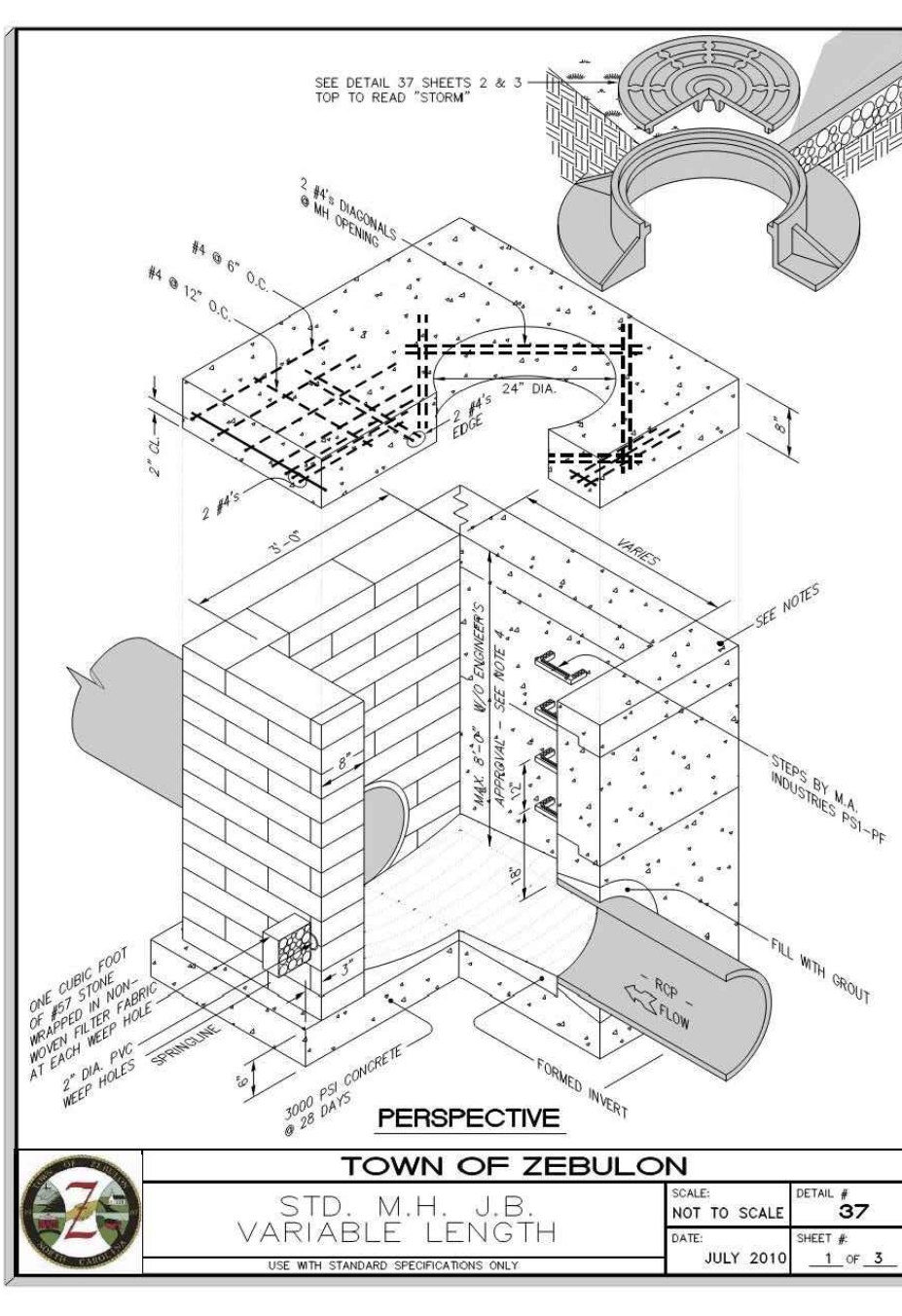
Installation Type	Bedding	Haunch and Outer Bedding	Lower Side
Type 1	D ₁₅ /24 minimum, not less than 75 mm (3") if rock foundation, use D ₁₅ /12 minimum, not less than 150 mm (6")	95% Category I	90% Category I, 90% Category II, 100% Category III
Type 2	D ₁₅ /24 minimum, not less than 75 mm (3") if rock foundation, use D ₁₅ /12 minimum, not less than 150 mm (6")	90% Category I or 95% Category II	85% Category I, 90% Category II, 95% Category III
Type 3	D ₁₅ /24 minimum, not less than 75 mm (3") if rock foundation, use D ₁₅ /12 minimum, not less than 150 mm (6")	95% Category I or 95% Category II	90% Category I, 90% Category II, 95% Category III
Type 4	D ₁₅ /24 minimum, not less than 75 mm (3") if rock foundation, use D ₁₅ /12 minimum, not less than 150 mm (6")	No compaction required, except if use BSE in Category II	No compaction required, except if use BSE in Category II

TOWN OF ZEBULON
STD. TRENCH INSTALLATION
(TRENCH CONDITION SHOWN)
DETAIL # 36
SCALE: NOT TO SCALE
DATE: JULY 2010
SHEET # 4 OF 5

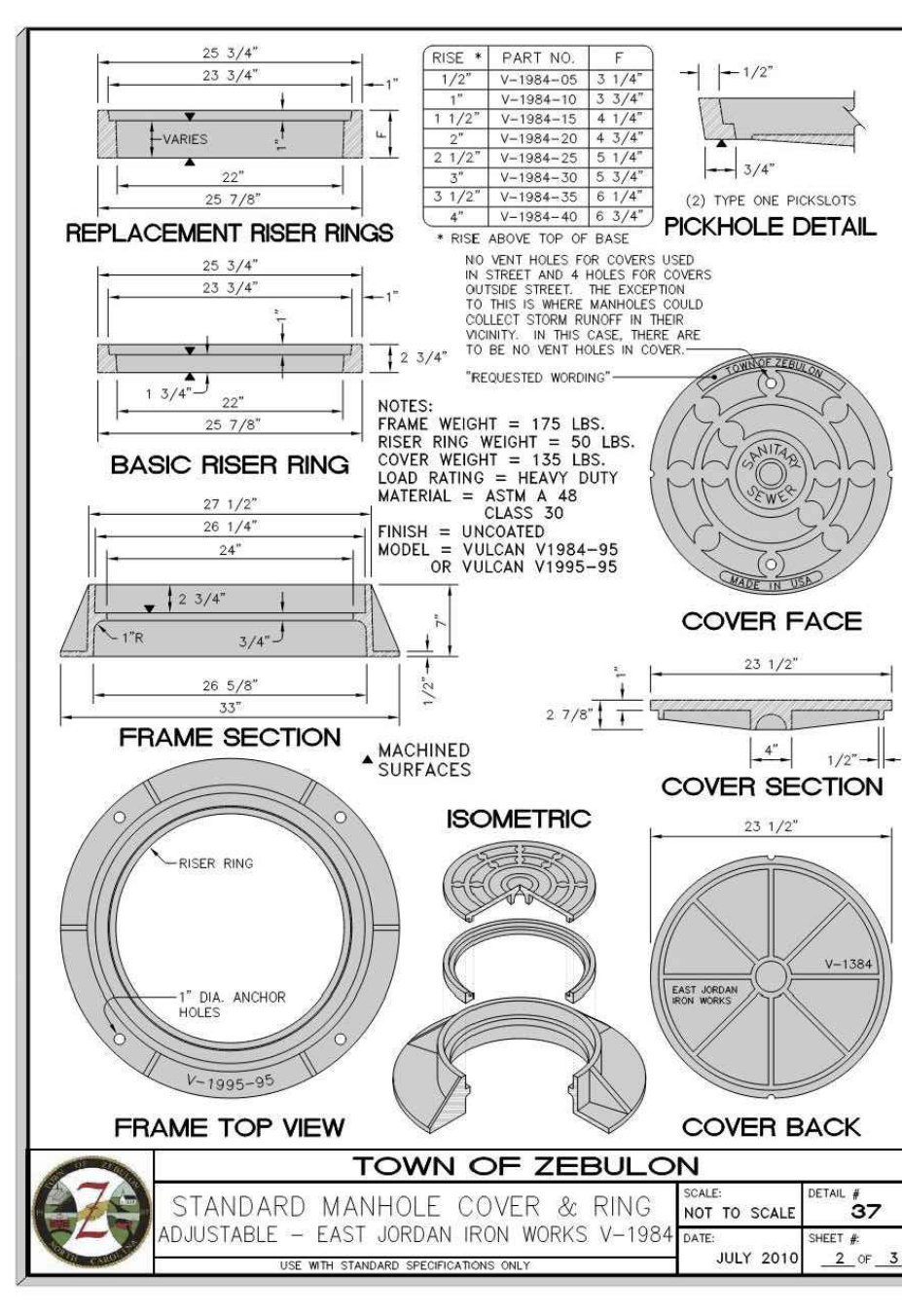
Table 3 Standard Trench Installations Soils and Minimum Compaction Requirements

Installation Type	Bedding	Haunch	Outer Bedding	Lower Side
Type 1	D ₁₅ /24 minimum, not less than 75 mm (3") if rock foundation, use D ₁₅ /12 minimum, not less than 150 mm (6")	95% Category I	90% Category I, 90% Category II, 100% Category III	
Type 2	D ₁₅ /24 minimum, not less than 75 mm (3") if rock foundation, use D ₁₅ /12 minimum, not less than 150 mm (6")	90% Category I or 95% Category II	85% Category I, 90% Category II, 95% Category III	
Type 3	D ₁₅ /24 minimum, not less than 75 mm (3") if rock foundation, use D ₁₅ /12 minimum, not less than 150 mm (6")	95% Category I or 95% Category II	90% Category I, 90% Category II, 95% Category III	
Type 4	D ₁₅ /24 minimum, not less than 75 mm (3") if rock foundation, use D ₁₅ /12 minimum, not less than 150 mm (6")	No compaction required, except if use BSE in Category II	No compaction required, except if use BSE in Category II	

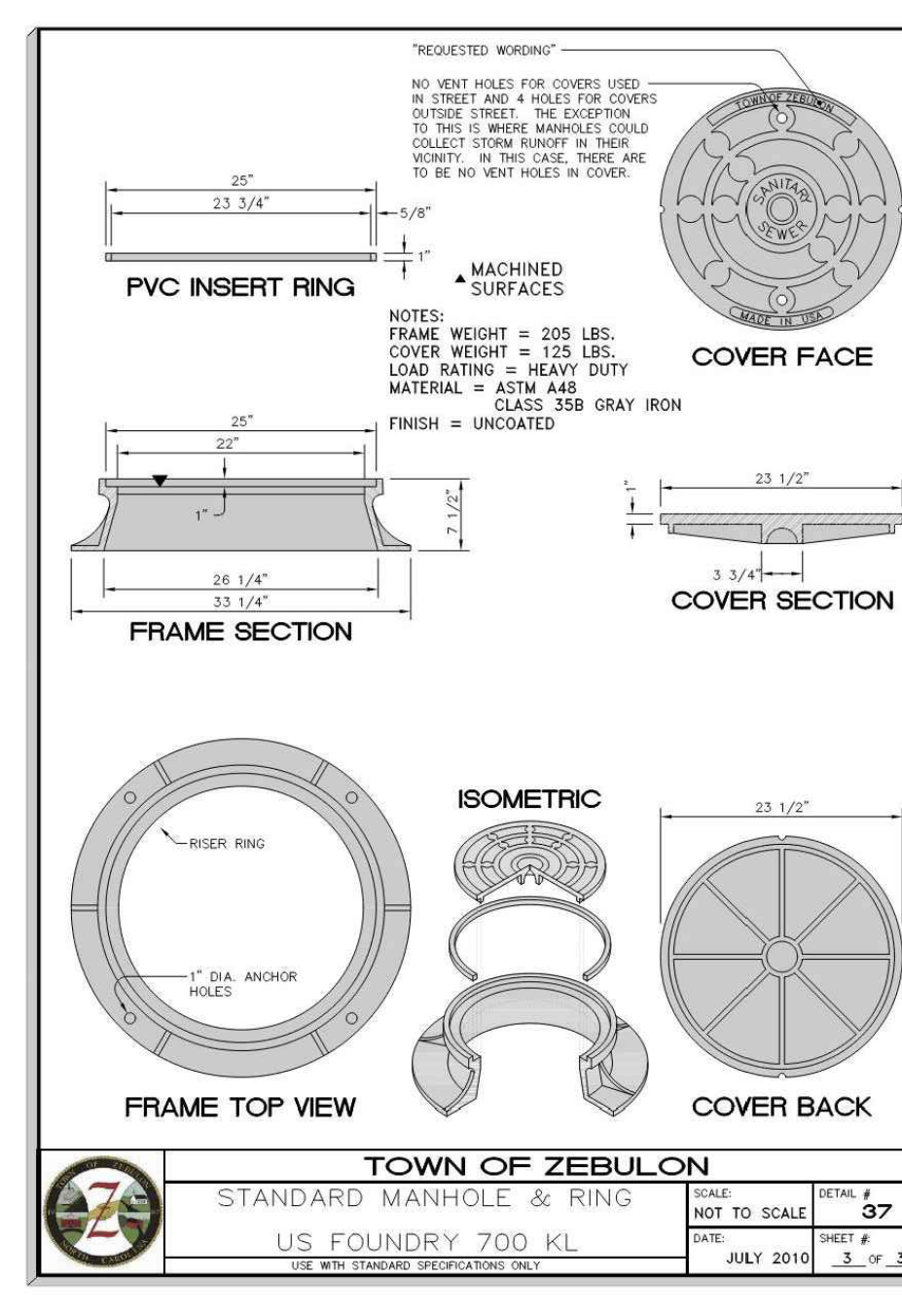
TOWN OF ZEBULON
STD. TRENCH INSTALLATION
(TRENCH CONDITION SHOWN)
DETAIL # 36
SCALE: NOT TO SCALE
DATE: JULY 2010
SHEET # 5 OF 5



TOWN OF ZEBULON
STD. M.H. J.B.
VARIABLE LENGTH
DETAIL # 37
SCALE: NOT TO SCALE
DATE: JULY 2010
SHEET # 1 OF 3



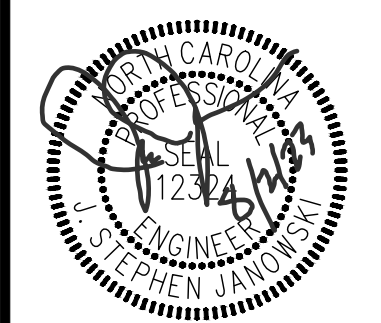
TOWN OF ZEBULON
STANDARD MANHOLE COVER & RING
ADJUSTABLE - EAST JORDAN IRON WORKS V-1984
DETAIL # 37
SCALE: NOT TO SCALE
DATE: JULY 2010
SHEET # 2 OF 3



TOWN OF ZEBULON
STANDARD MANHOLE & RING
US FOUNDRY 700 KL
DETAIL # 37
SCALE: NOT TO SCALE
DATE: JULY 2010
SHEET # 3 OF 3



TOWN OF ZEBULON
STANDARD MANHOLE & RING
US FOUNDRY 700 KL
DETAIL # 37
SCALE: NOT TO SCALE
DATE: JULY 2010
SHEET # 4 OF 5

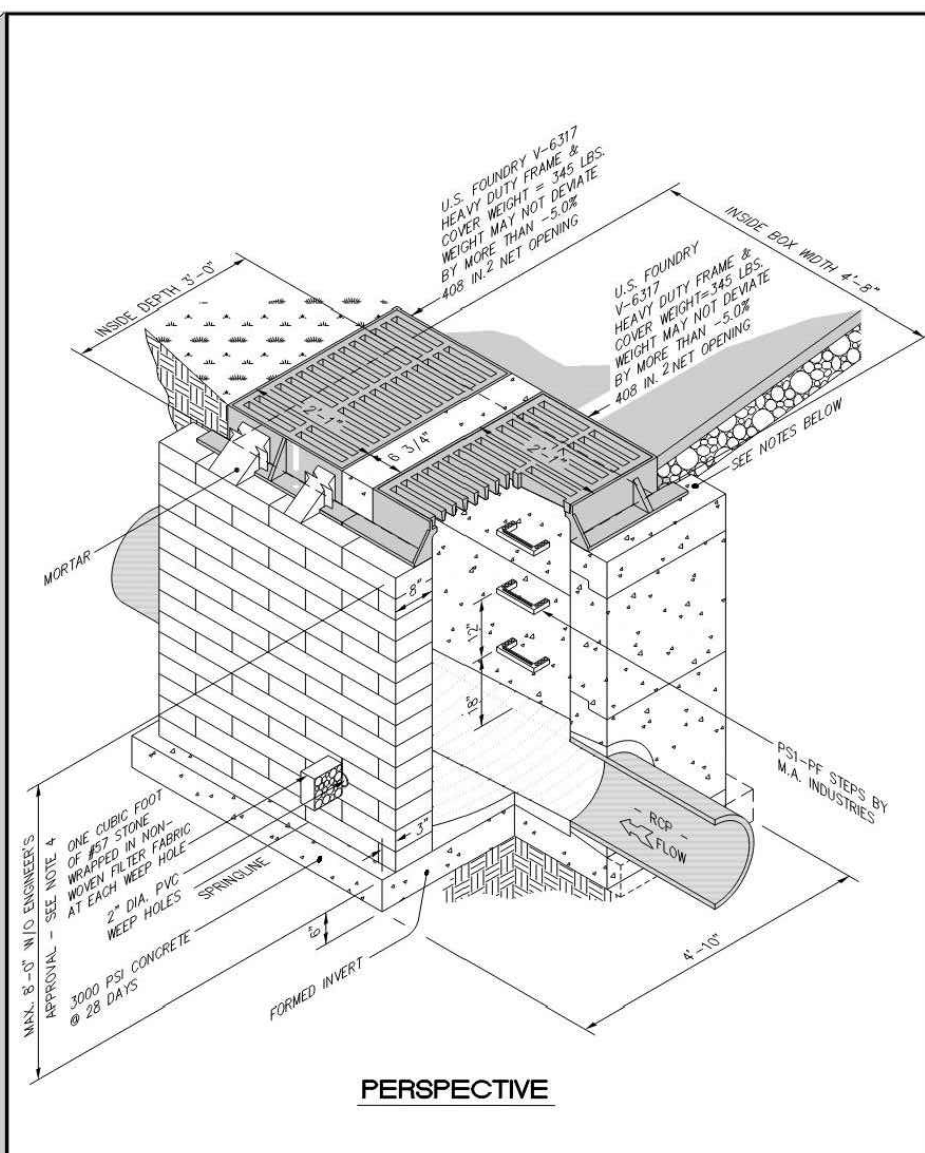


REVISIONS:

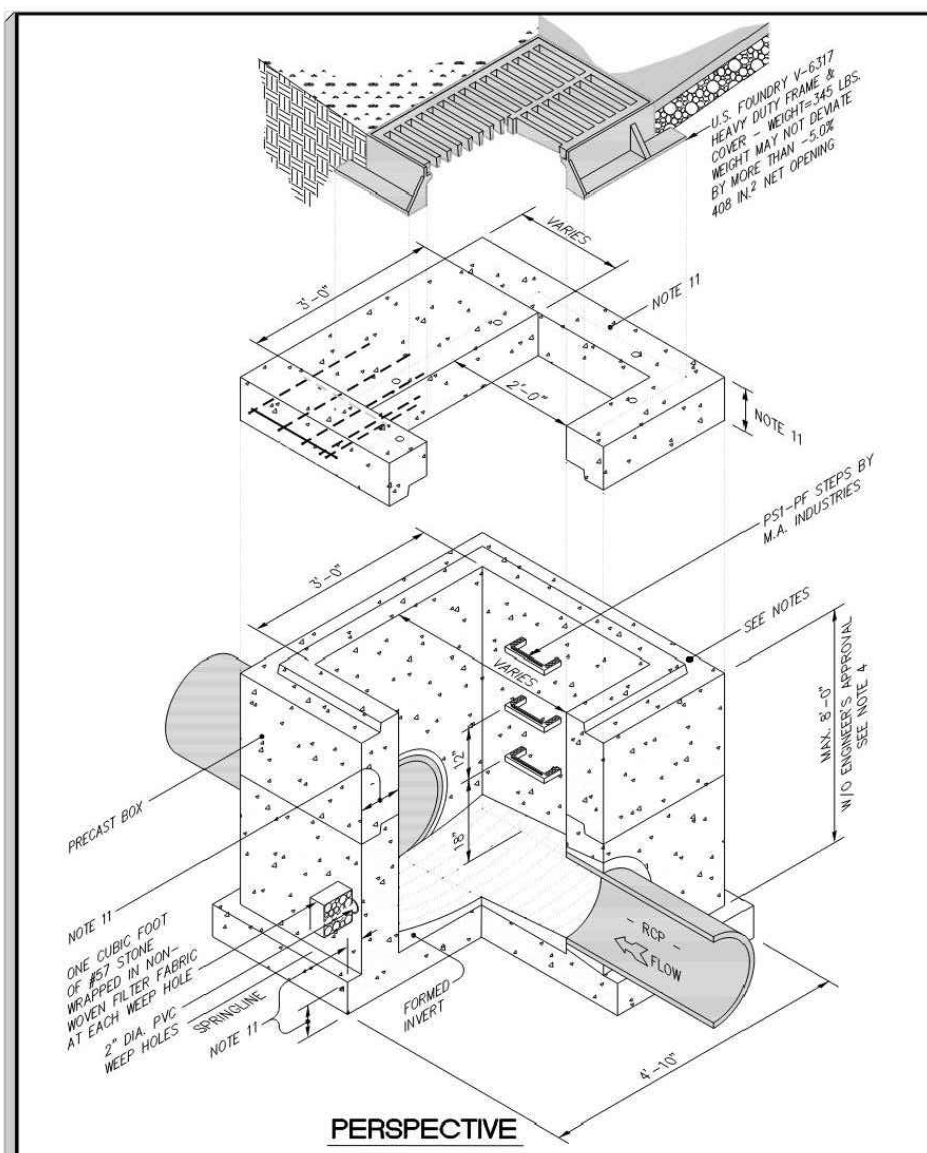
NO.	DESCRIPTION	DATE	BY
06/01/23	CONSTRUCTION DRAWINGS SUBMITTAL		

DATE: 07/05/2023

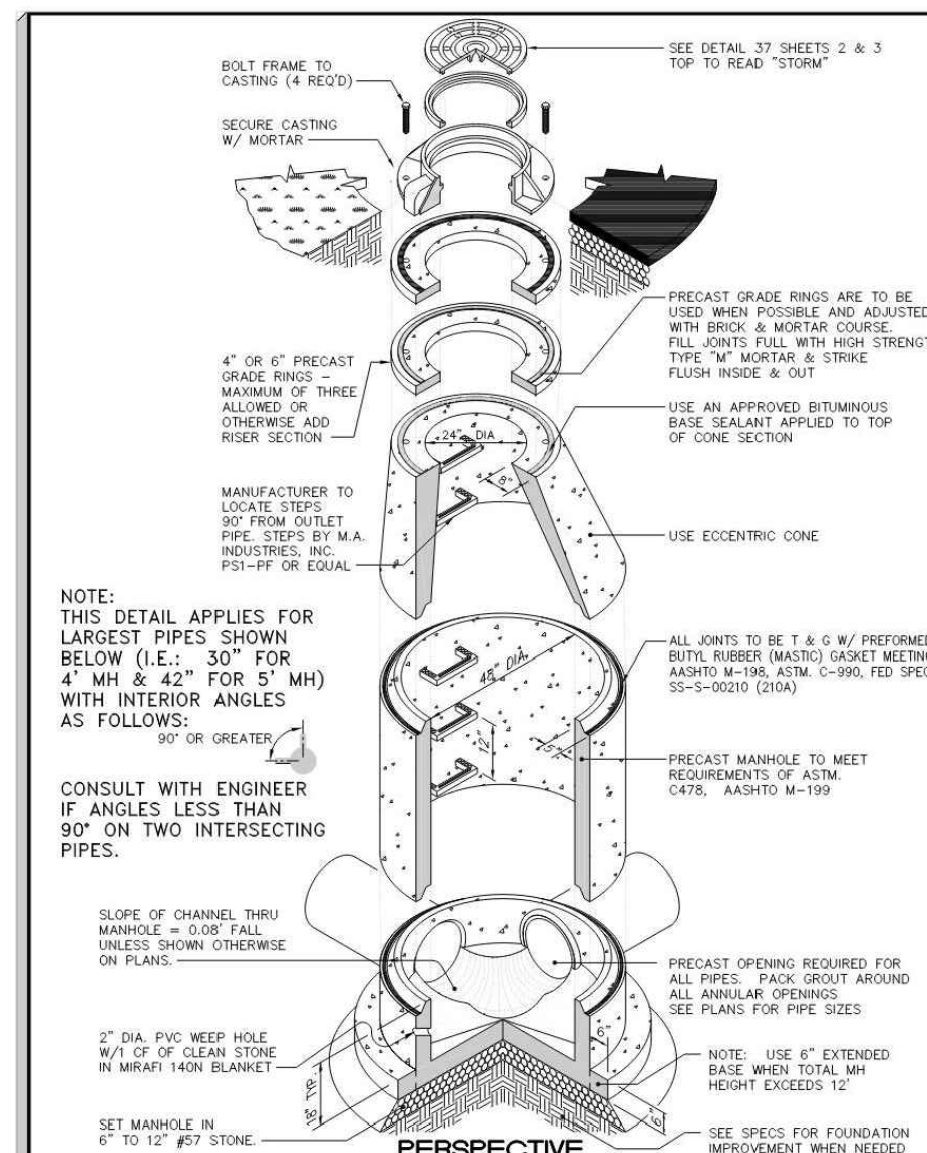
DESIGNED BY: DBB/MS
DRAWN BY: MS
CHECKED BY: DBB
PROJECT NO: 2023018
DRAWING NO: W-4081
SCALE: AS SHOWN
SHEET NO.



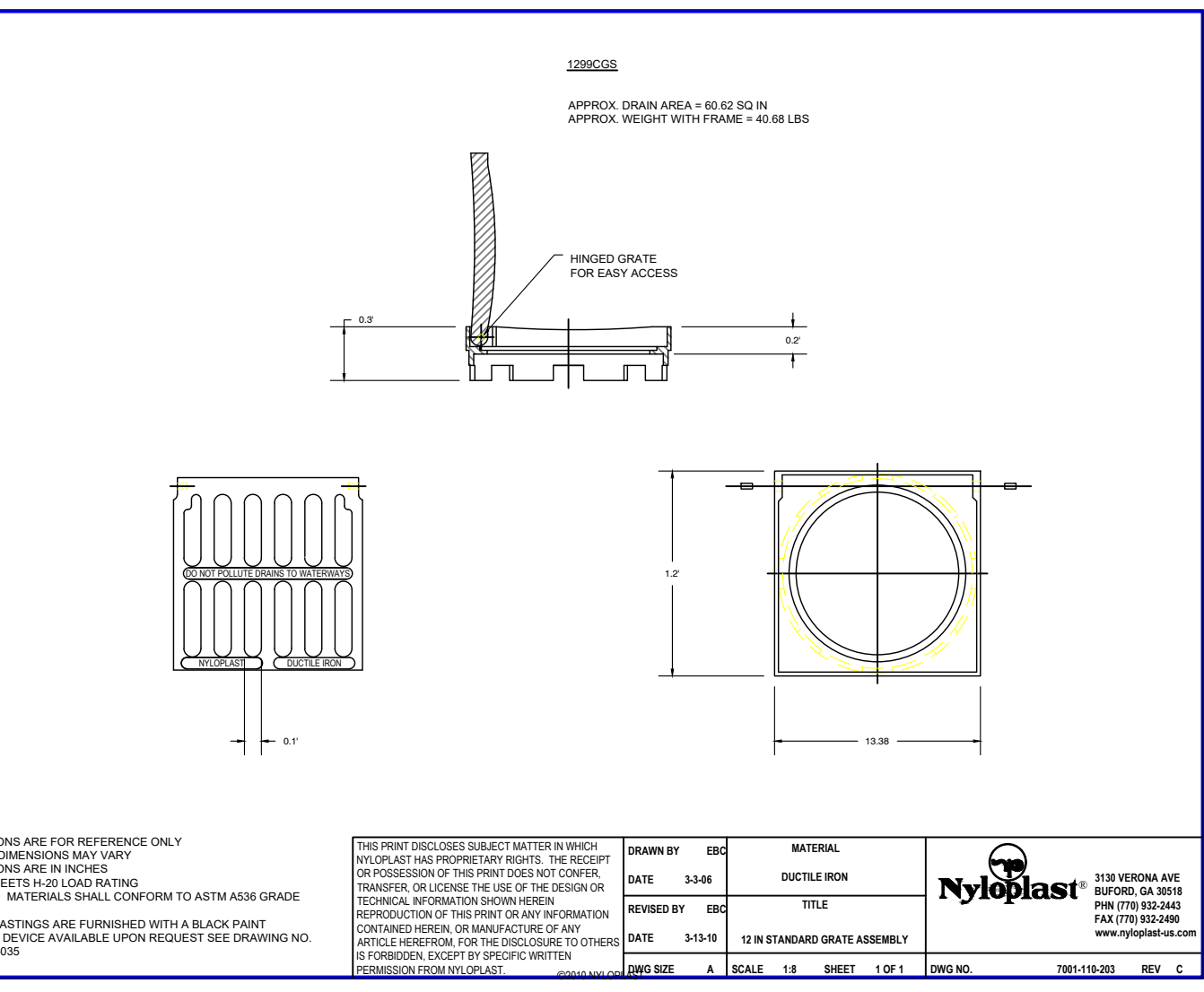
TOWN OF ZEBULON
 STD. MULTIPLE 2' x 3'
 CATCH BASIN DETAIL
 DATE: JULY 2010
 SCALE: 1/4" = 1'-0"



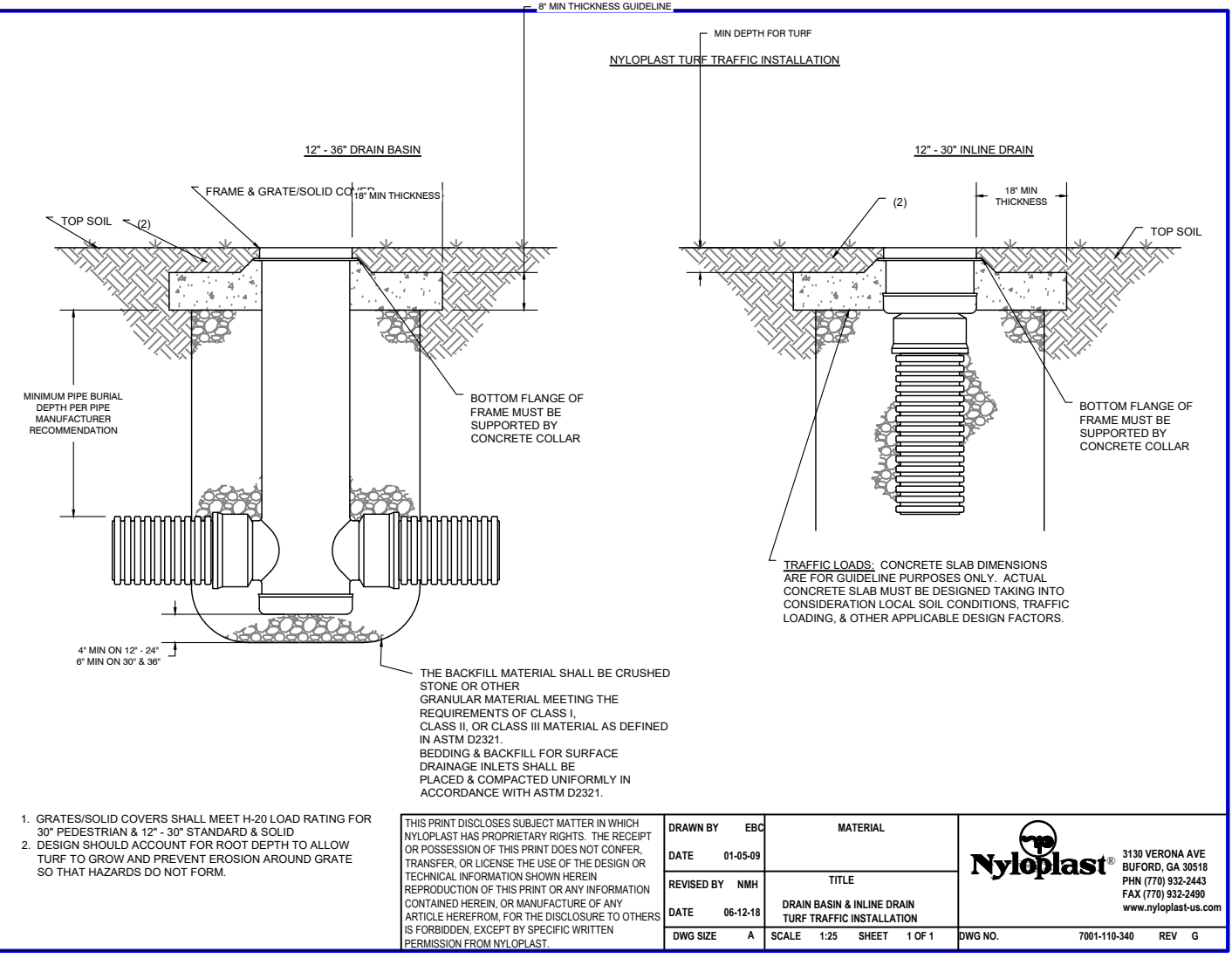
TOWN OF ZEBULON
 STD. 3' x VARIABLE LENGTH
 PRECAST BOX WITH 2' x 3' C.B.
 DATE: JULY 2010
 SCALE: 1/4" = 1'-0"



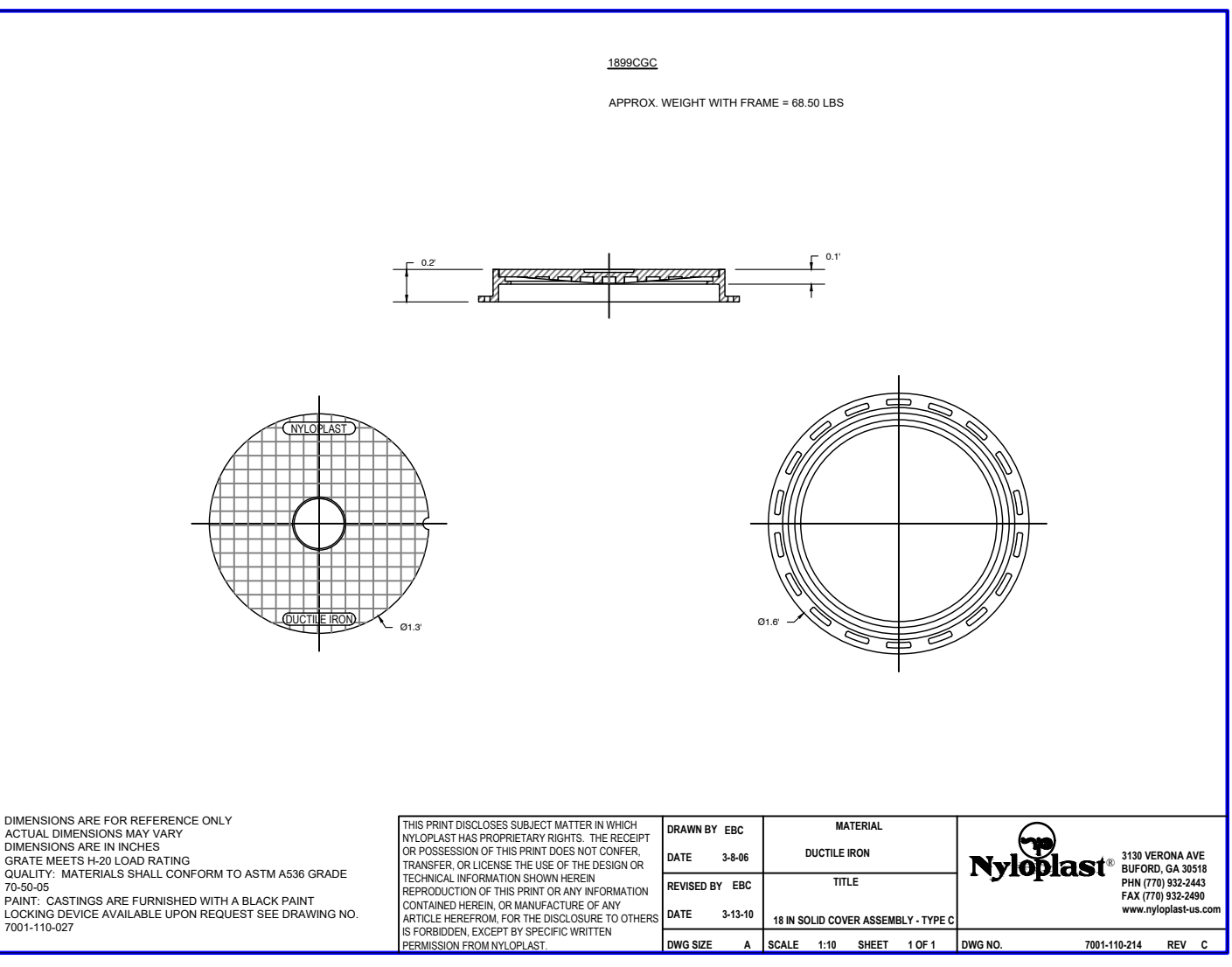
TOWN OF ZEBULON
 PRECAST CONCRETE
 4' DIA. MH JB
 DATE: JULY 2010
 SCALE: 1/4" = 1'-0"



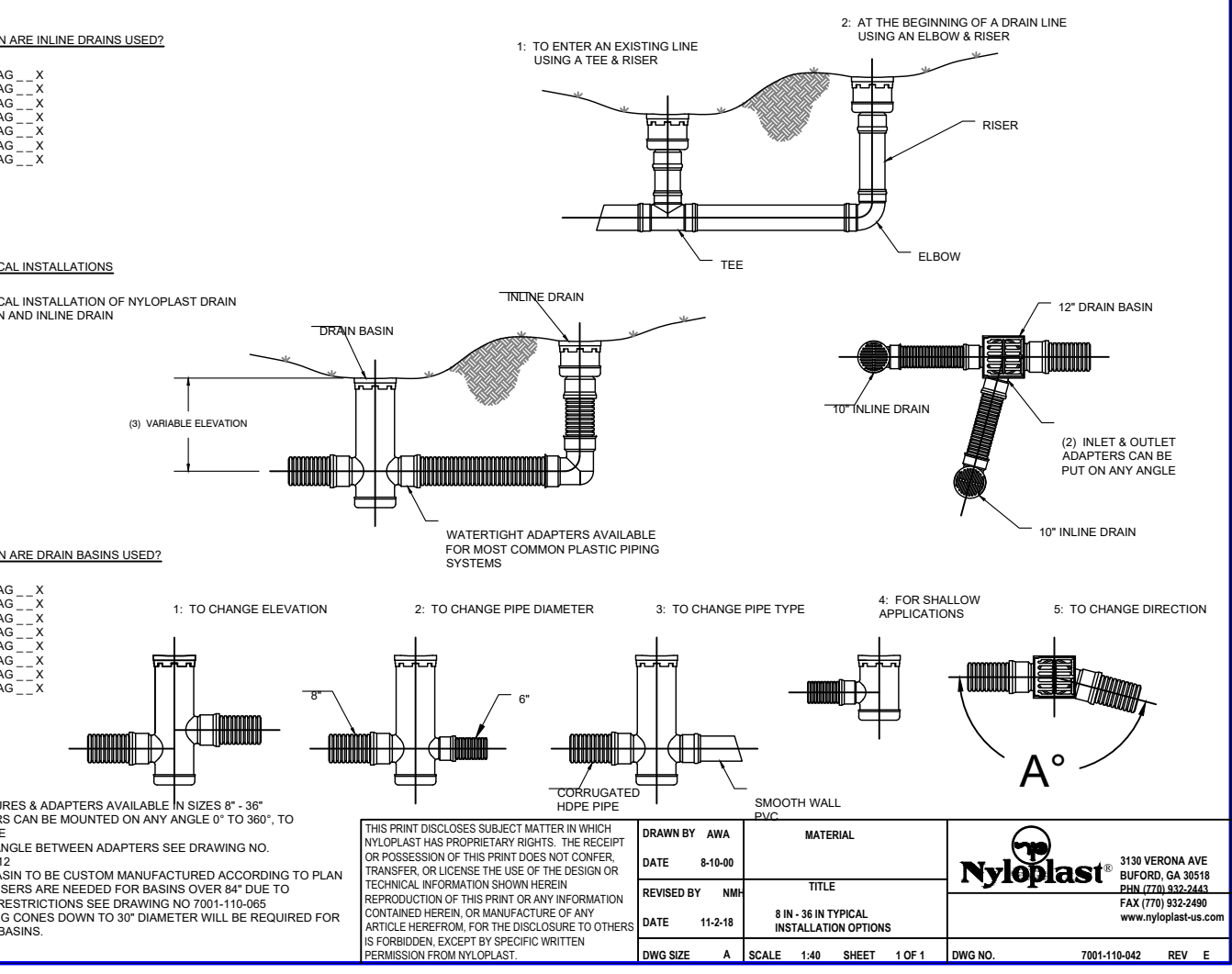
220000
 APPROX. DRAIN AREA = 100 SQ. FT.
 APPROX. WEIGHT WITH FRAME = 400 LBS.
 DATE: 10/13/10
 SCALE: 1/4" = 1'-0"



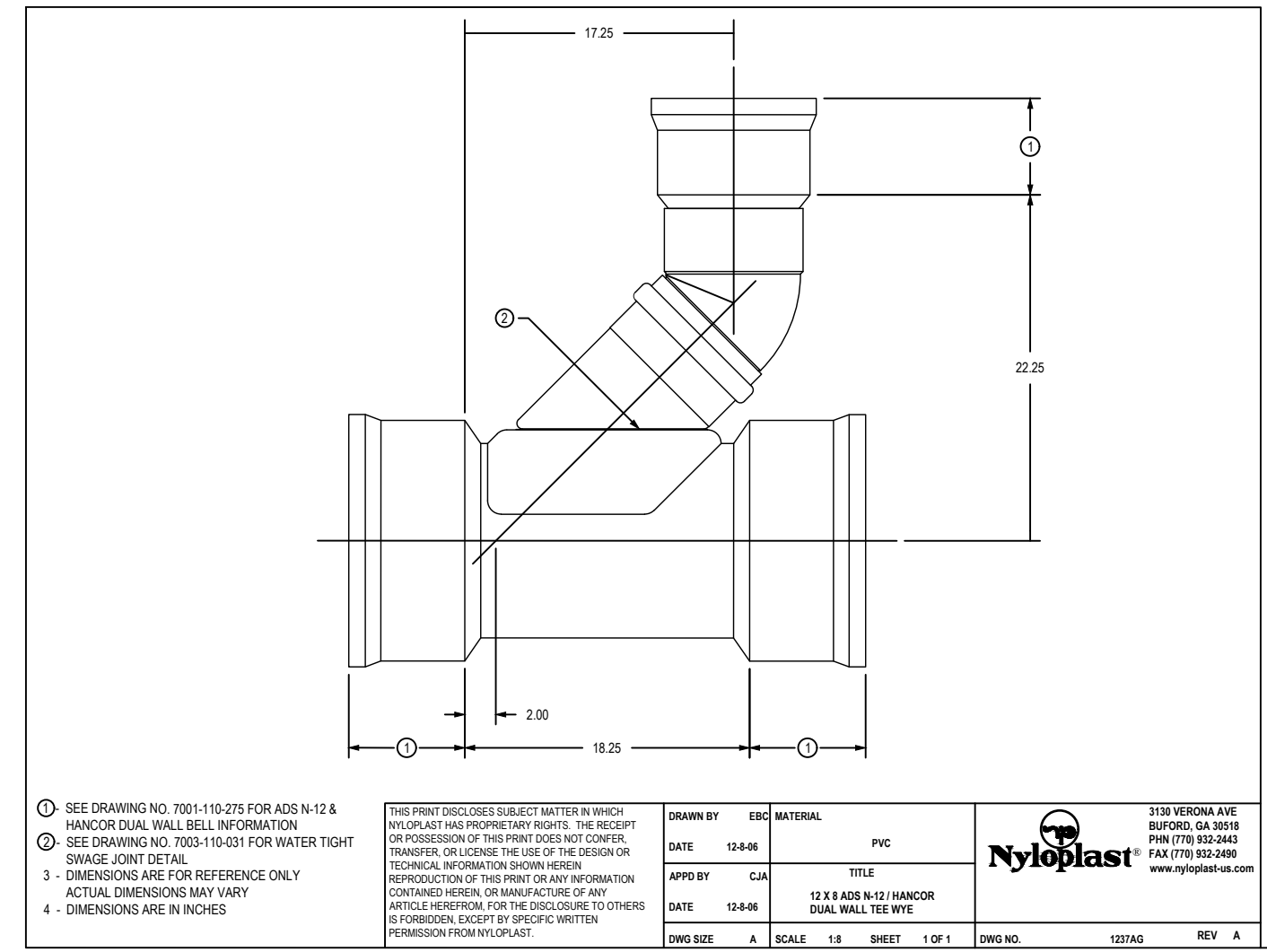
270000
 1. GRAVEL/SILT COVERS SHALL MEET MIN. LOAD RATING FOR 30' FEEDSTRAIN...
 2. DESIGN SHALL ACCOUNT FOR ROOT DEPTHS TO ALLOW FOR 10' TO 12' OF GRAVEL AND PEDESTAL DRAINAGE AROUND GRATE...
 DATE: 10/13/10
 SCALE: 1/4" = 1'-0"



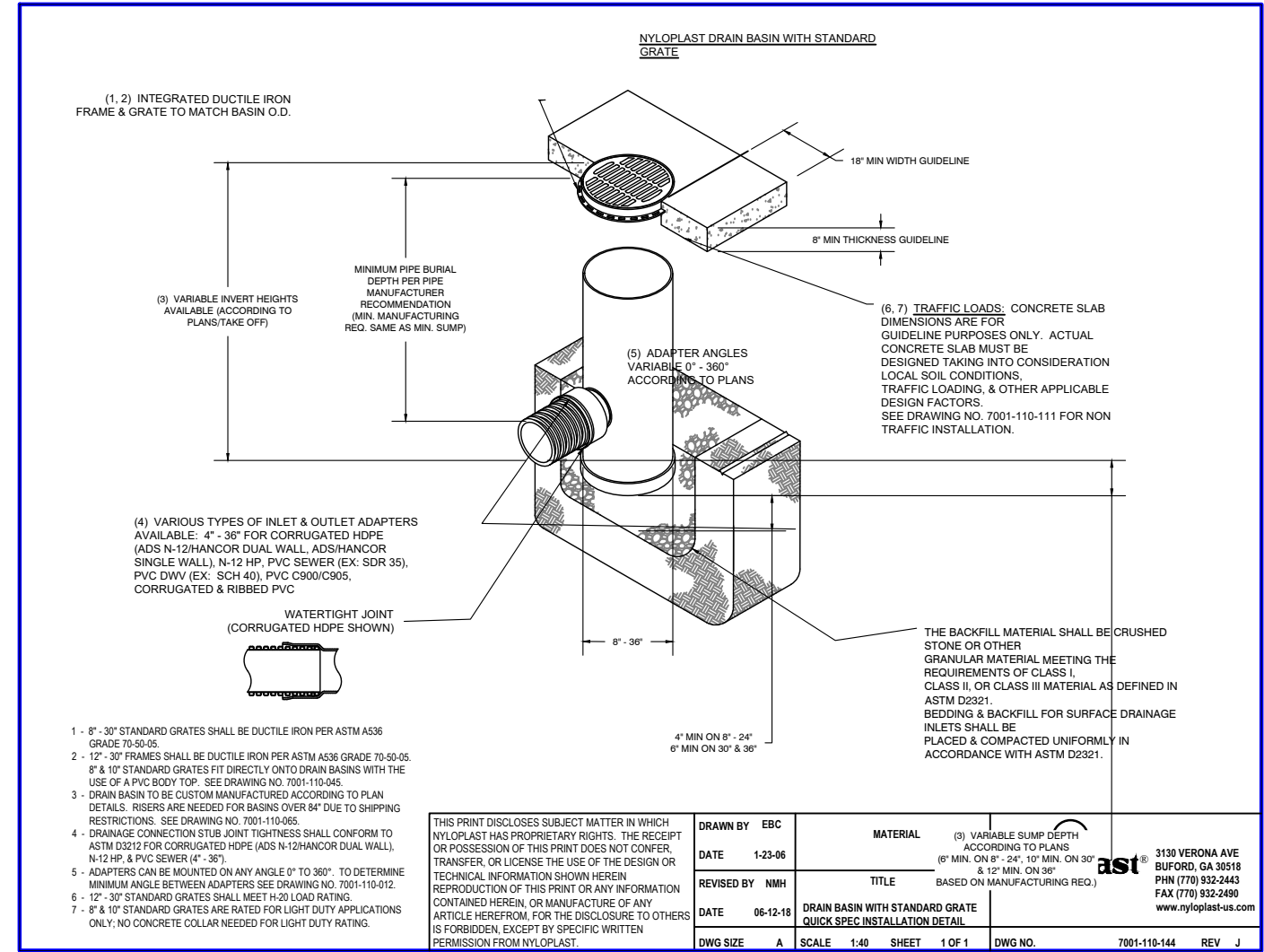
330000
 APPROX. HEIGHT WITH FRAME = 68.00 LBS.
 1. 12" OF FRAMES SHALL BE 12" DIA. FOR 12" DIA. DRAINAGE TO 12" DIA. 12" OF FRAMES SHALL BE 12" DIA. FOR 12" DIA. DRAINAGE TO 12" DIA. 12" OF FRAMES SHALL BE 12" DIA. FOR 12" DIA. DRAINAGE TO 12" DIA.
 DATE: 10/13/10
 SCALE: 1/4" = 1'-0"



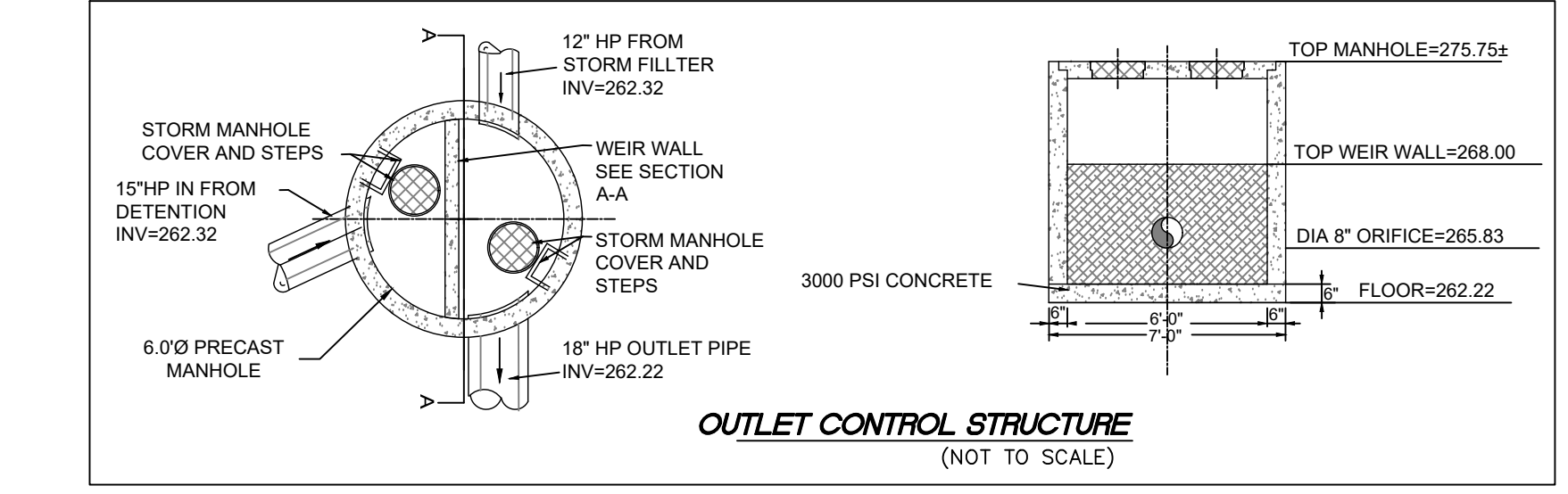
Nyloplast
 DATE: 10/13/10
 SCALE: 1/4" = 1'-0"



12' x 12' x 12'
 1. 12" OF FRAMES SHALL BE 12" DIA. FOR 12" DIA. DRAINAGE TO 12" DIA. 12" OF FRAMES SHALL BE 12" DIA. FOR 12" DIA. DRAINAGE TO 12" DIA. 12" OF FRAMES SHALL BE 12" DIA. FOR 12" DIA. DRAINAGE TO 12" DIA.
 DATE: 10/13/10
 SCALE: 1/4" = 1'-0"



12' x 12' x 12' WITH STANDARD GRATE
 1. 12" OF FRAMES SHALL BE 12" DIA. FOR 12" DIA. DRAINAGE TO 12" DIA. 12" OF FRAMES SHALL BE 12" DIA. FOR 12" DIA. DRAINAGE TO 12" DIA. 12" OF FRAMES SHALL BE 12" DIA. FOR 12" DIA. DRAINAGE TO 12" DIA.
 DATE: 10/13/10
 SCALE: 1/4" = 1'-0"



OUTLET CONTROL STRUCTURE
 (NOT TO SCALE)
 DATE: 10/13/10
 SCALE: 1/4" = 1'-0"

NOTE:
 RELEASED FOR SITE PLAN REVIEW ONLY. NOT FOR CONSTRUCTION.

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH
 TOWN OF GRIFTON, NCDOT & NCDCEQ
 STANDARDS, SPECIFICATIONS AND DETAILS.



REVISIONS:

NO.	DATE	DESCRIPTION
06/01/23		CONSTRUCTION DRAWINGS SUBMITTAL

CONSTRUCTION DRAWINGS
DOMINO'S ZEBULON
 TOWN OF ZEBULON - WAKE COUNTY - NORTH CAROLINA
STORM DETAILS

DATE: 07/05/2023

DESIGNED BY: DBB/MS
 DRAWN BY: MS
 CHECKED BY: DBB
 PROJECT NO: 2023018
 DRAWING NO: W-4081
 SCALE: AS SHOWN
 SHEET NO:

