

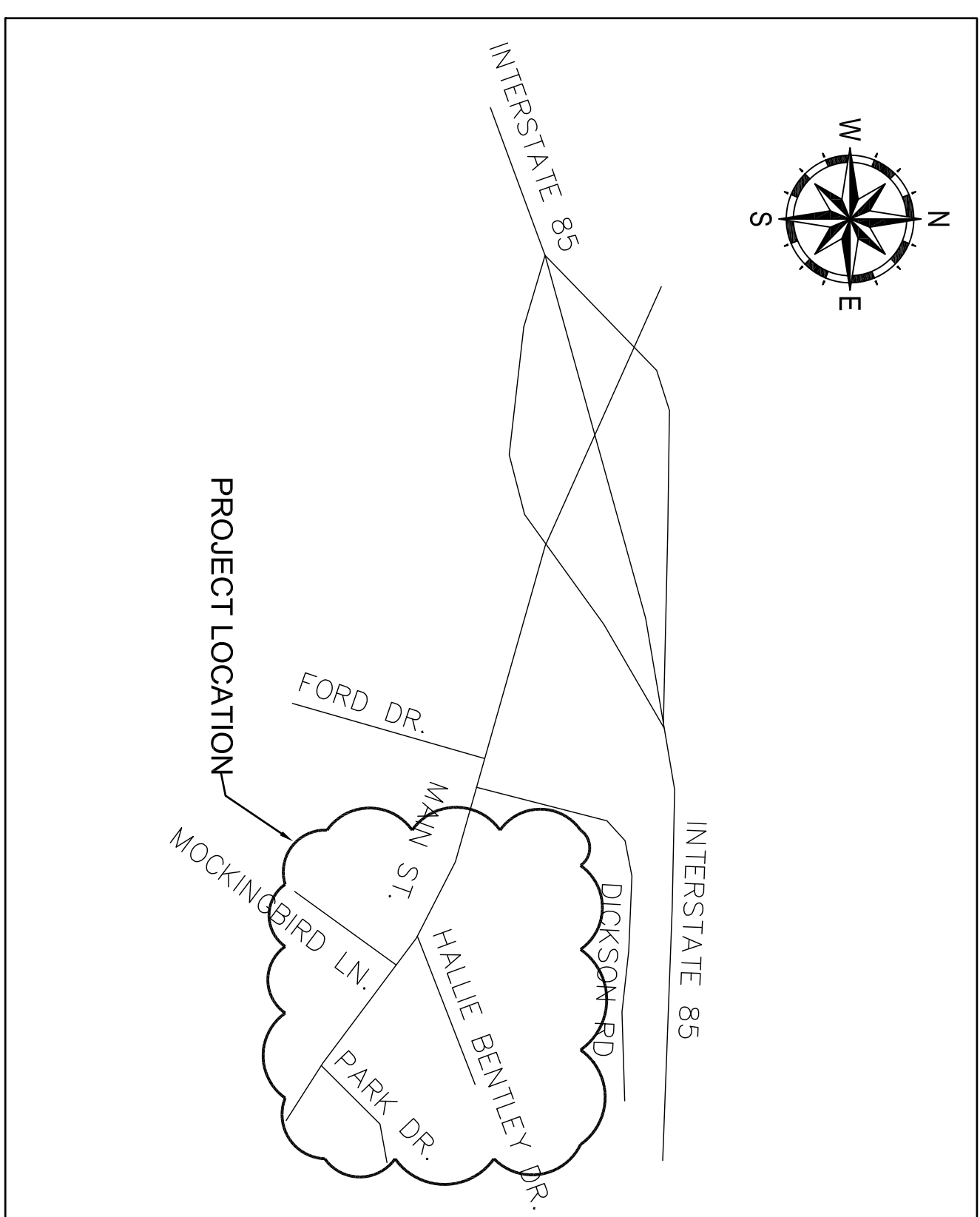
MCADENVILLE HALLIE BENTLEY WATER MAIN EXTENSION MCADENVILLE, NORTH CAROLINA

LIST OF CONTACTS

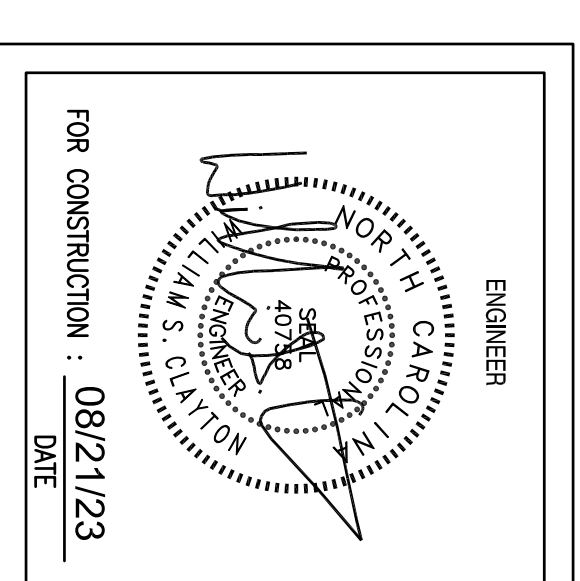
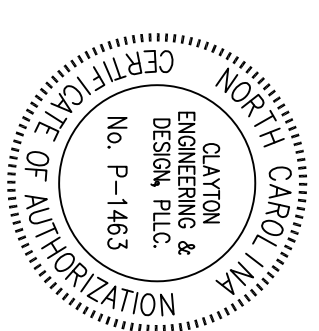
STORM DRAINAGE	TELEPHONE	SOILS ENGINEER
X	X	X
DOMESTIC WATER	GAS	SITE PLANNING & ZONING
X	X	X
SANITARY SEWER	CABLE	FIRE DEPARTMENT
X	X	X
POWER		
X		

PROJECT TEAM

ARCHITECT	CIVIL ENGINEER
X	CLAYTON ENGINEERING & DESIGN 1209 9TH STREET NE PO BOX 2351 HICKORY, NC 28601 PHONE: 828-455-3456 CONTACT - WILL CLAYTON, PE
STRUCTURAL ENGINEER	SURVEYOR
X	X
PLUMBING, MECHANICAL, ELECTRICAL	
X	

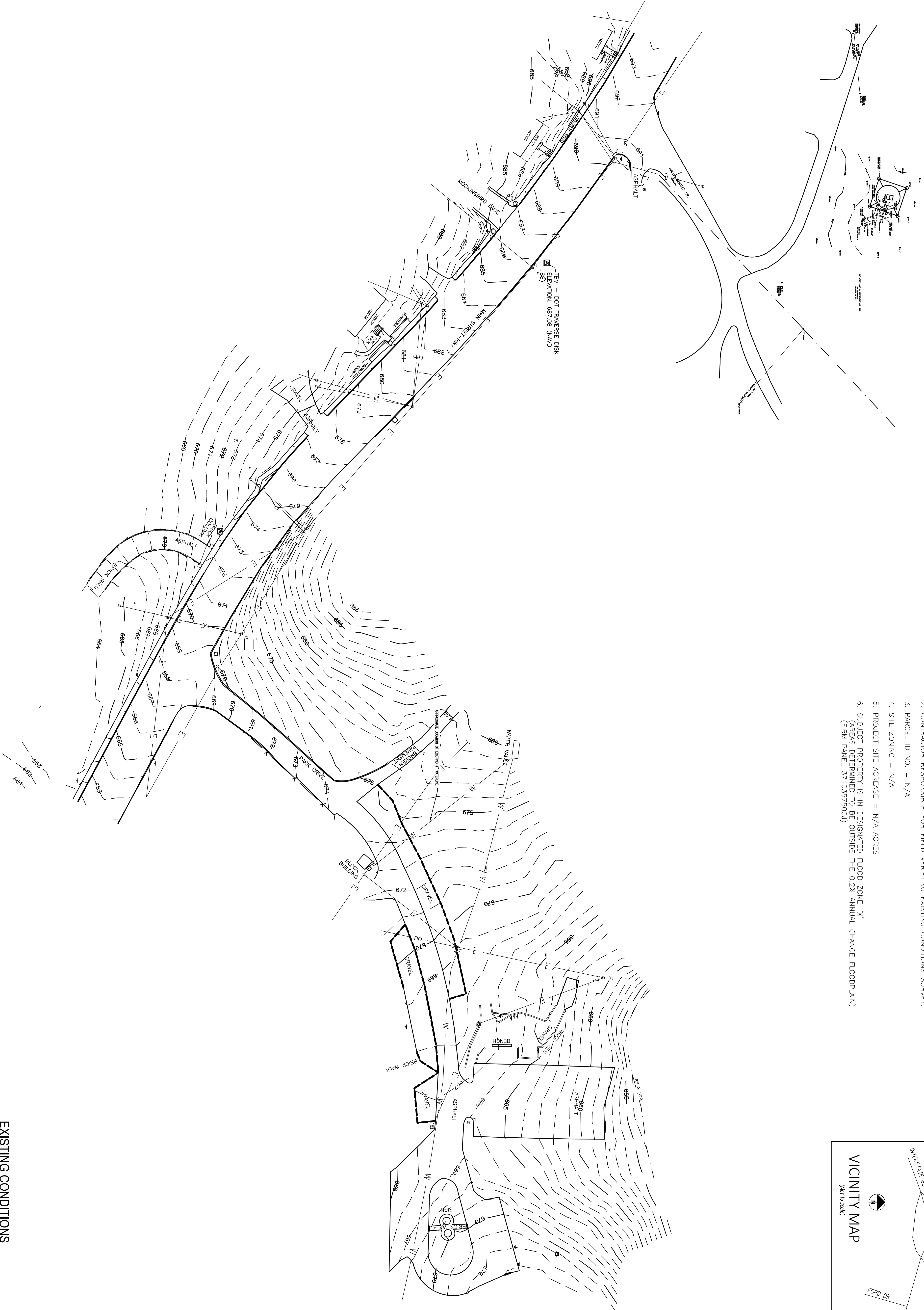


- SHEET LIST**
- COV101 -COVER SHEET
 - VFE101 -EXISTING CONDITIONS
 - CDNT01 -DEMOLITION PLAN
 - CUN101 -UTILITY PLAN
 - CUNS01 -UTILITY DETAILS

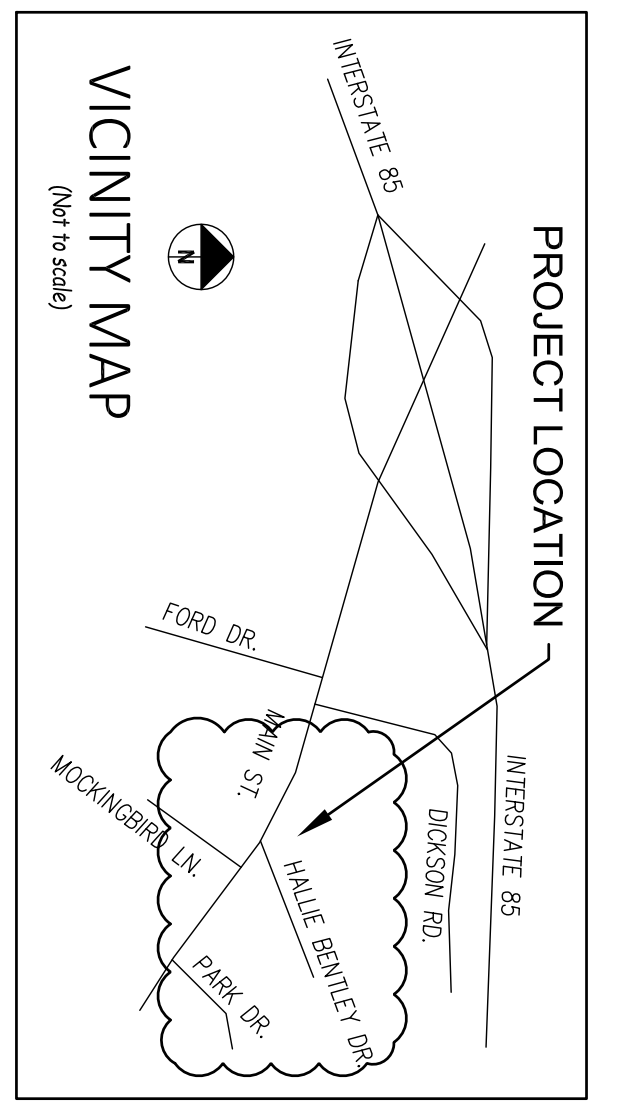


UTILITIES NOTICE:
EXISTING UNDERGROUND UTILITIES ARE SHOWN AT APPROXIMATE LOCATIONS. ACTUAL LOCATIONS MAY VARY SIGNIFICANTLY. CONNECTIONS SHALL BE DETERMINED. THE EXACT LOCATION OF ALL UTILITIES SHALL BE DETERMINED BY THE ENGINEER. THE ENGINEER AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES THAT RESULT FROM HIS FAILURE TO EXACTLY LOCATE AND PROTECT ANY AND ALL UNDERGROUND UTILITIES.

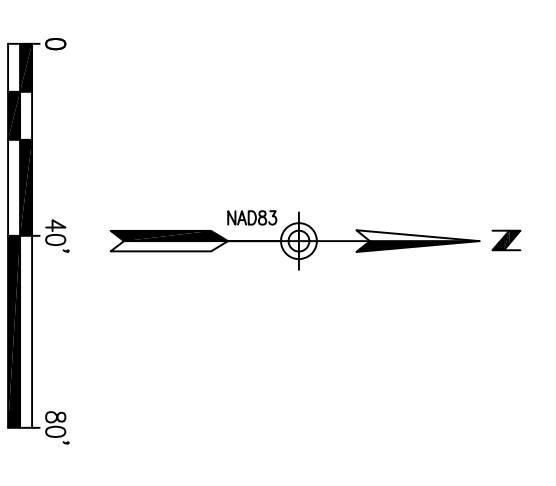
CE&D JOB NUMBER: 21126



- NOTES THIS SHEET:**
1. SURVEY PERFORMED BY: BEN PATTON
 2. CONTRACTOR RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS SURVEY.
 3. PARCEL ID NO. = N/A
 4. SITE ZONING = N/A
 5. PROJECT SITE ACREAGE = N/A ACRES
 6. SUBJECT PROPERTY IS IN DESIGNATED FLOOD ZONE "X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) (FRM PANEL 3710357500J)



EXISTING CONDITIONS
SCALE: 1" = 40'



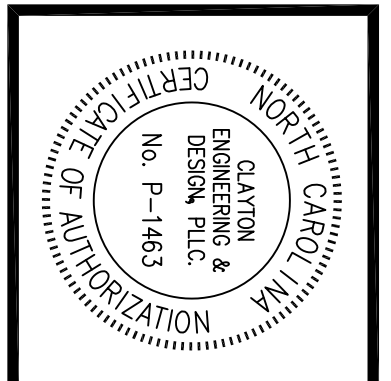
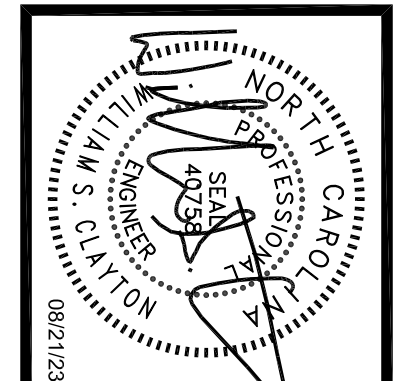
REVISIONS	
NO.	DESCRIPTION

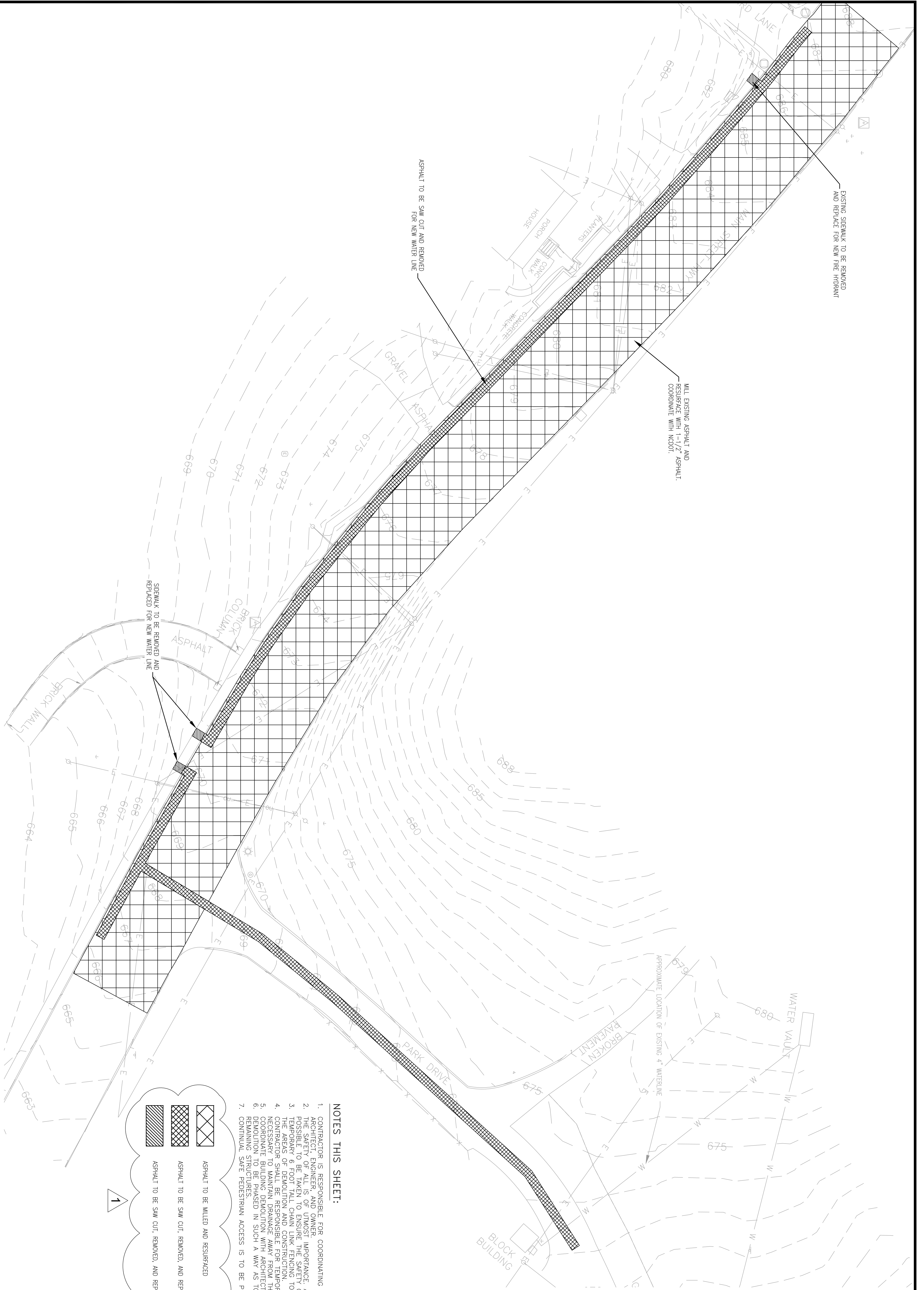
DATE:	08/21/23
OWNER:	EMB
DESIGNER:	WSC
DRAWING NUMBER:	21126

TOWN OF McADENVILLE	
McADENVILLE, NORTH CAROLINA	
PROJECT TITLE	
McADENVILLE HALLIE BENTLEY WATER MAIN EXTENSION	

CLAYTON
ENGINEERING & DESIGN

1209 9TH AVE NE; PO BOX 2351 HICKORY, NC 28601



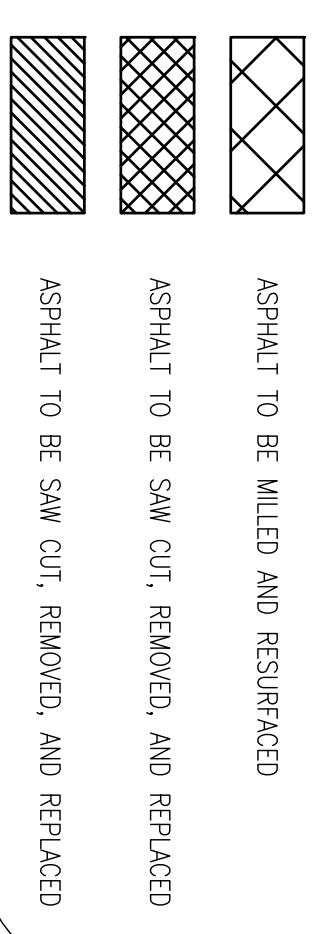


ASPHALT TO BE SAW CUT AND REMOVED FOR NEW WATER LINE

EXISTING SIDEWALK TO BE REMOVED AND REPLACE FOR NEW FIRE HYDRANT

MILL EXISTING ASPHALT AND RESURFACE WITH 1-1/2\"/>

SIDEWALK TO BE REMOVED AND REPLACED FOR NEW WATER LINE

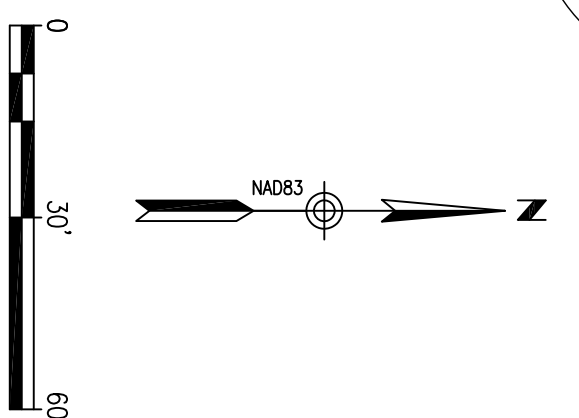


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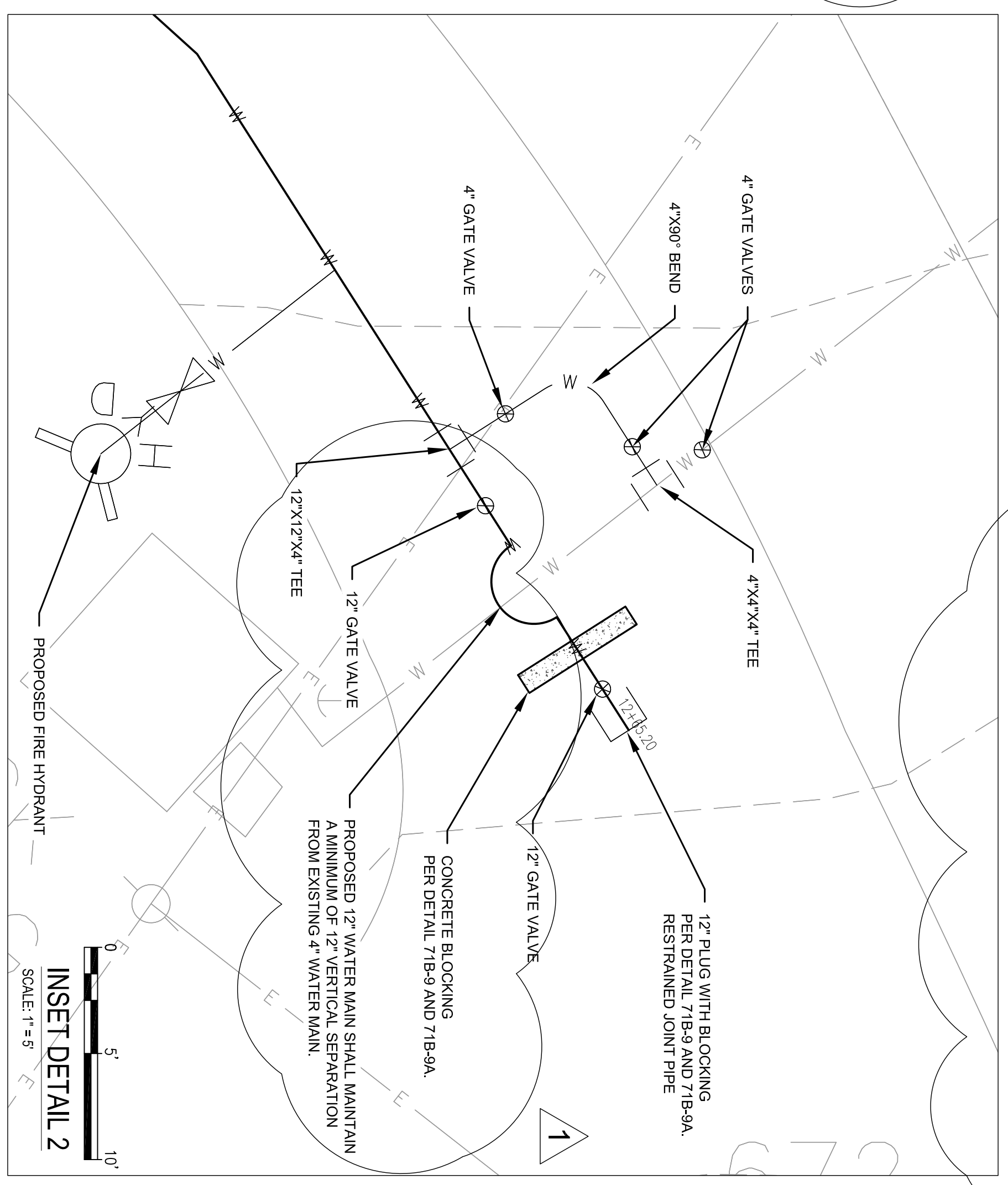
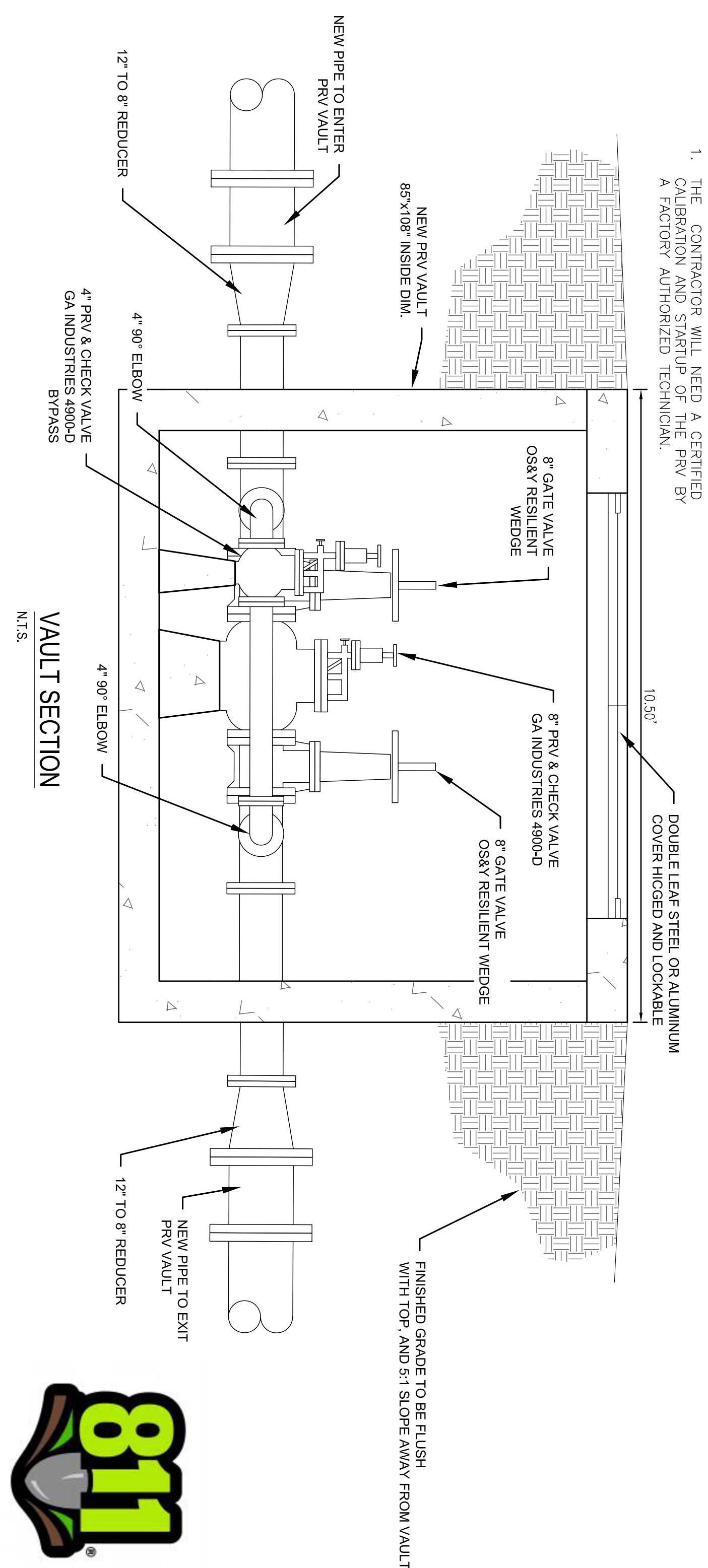
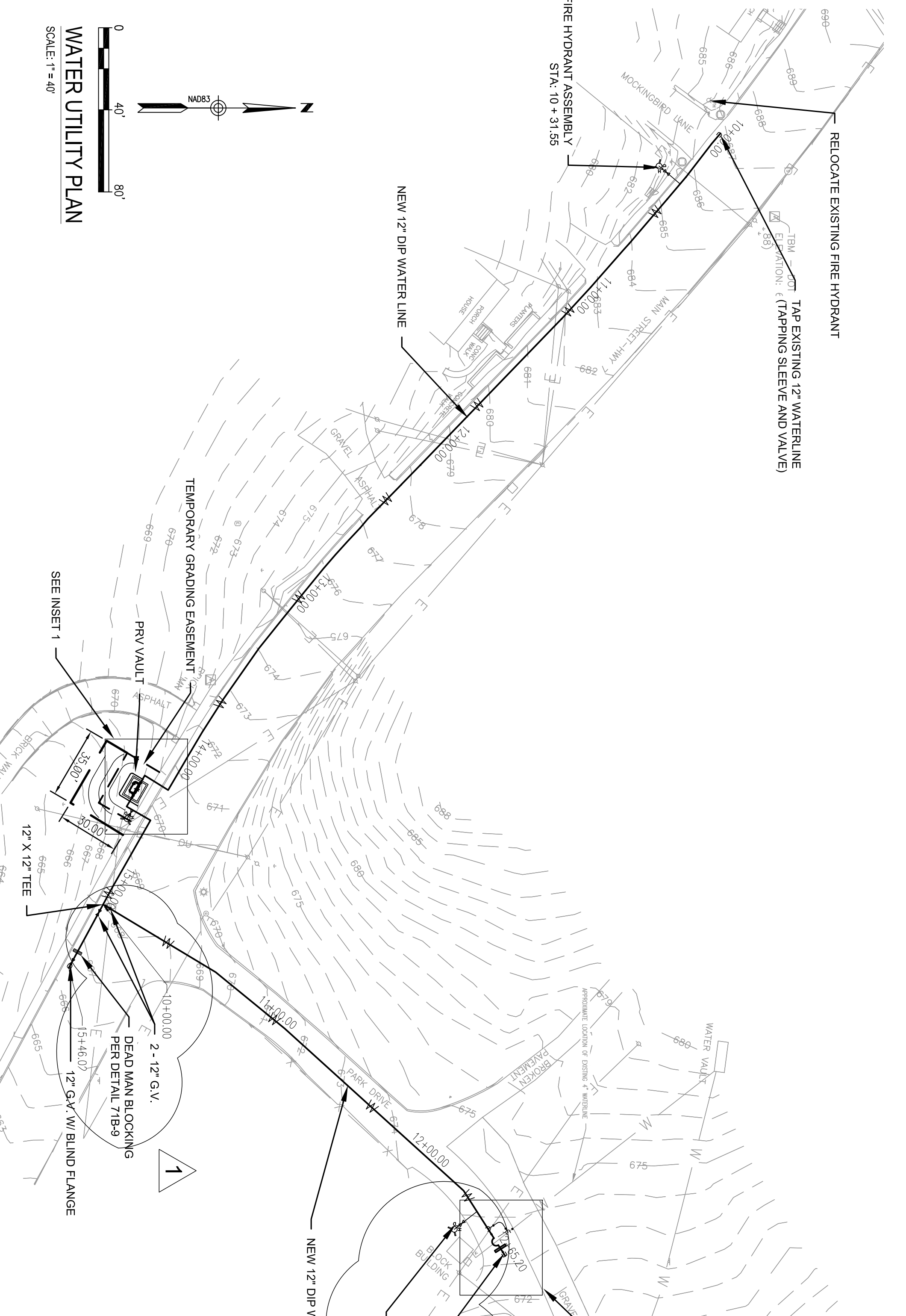
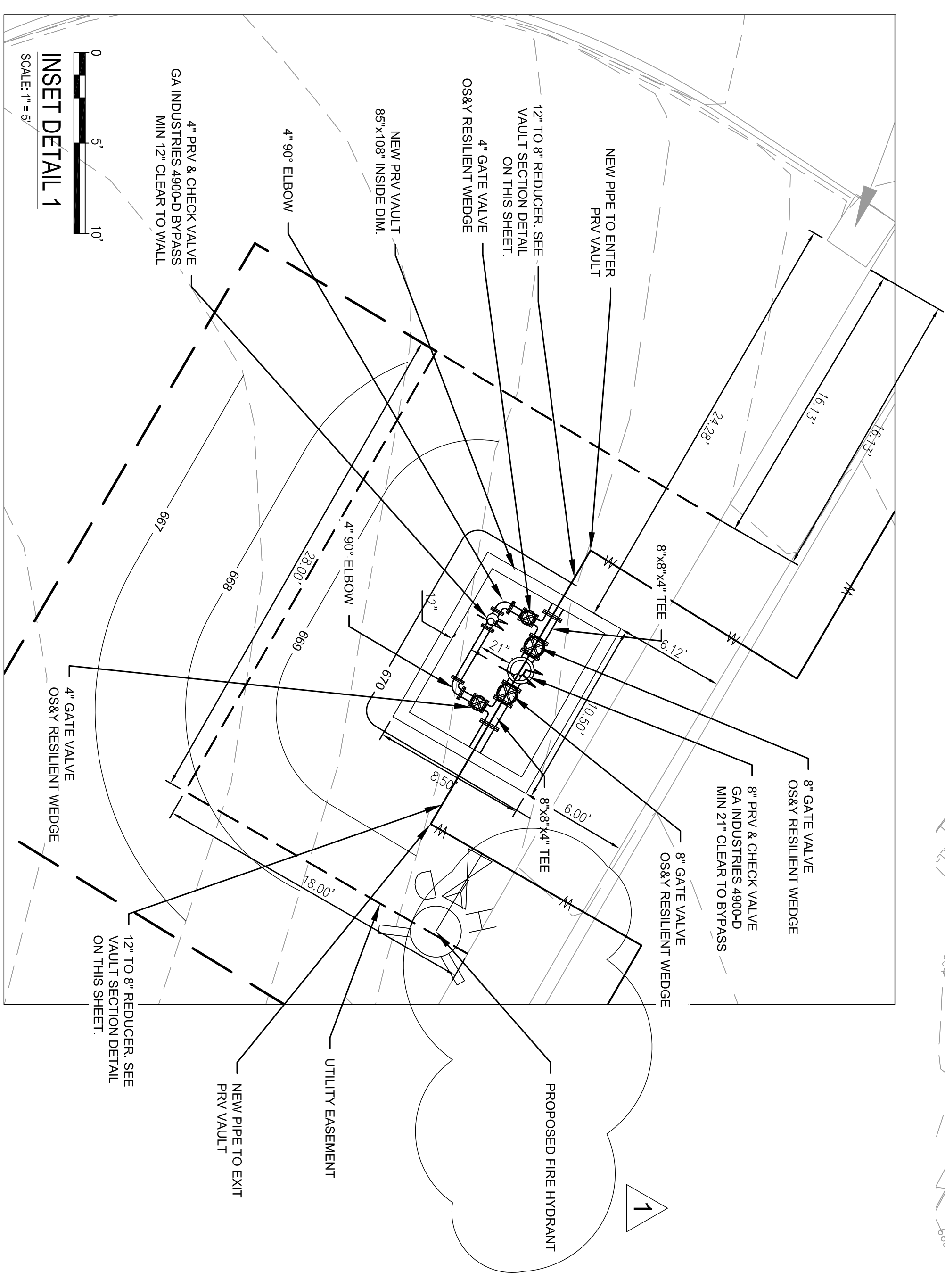
1. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL DEMOLITION WITH THE ARCHITECT, ENGINEER, AND OWNER.
2. THE SAFETY OF ALLS OF UTMOST IMPORTANCE. ALL SAFETY PRECAUTIONS SHALL BE TAKEN TO BE AVOIDED.
3. TEMPORARY 6 FOOT TALL CHAIN LINK FENCING TO BE INSTALLED AROUND THE AREAS OF DEMOLITION AND CONSTRUCTION.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY DRAINAGE AS NECESSARY TO MAINTAIN DRAINAGE AWAY FROM THE BUILDINGS.
5. COORDINATE BUILDING DEMOLITION WITH ARCHITECTURAL PLANS.
6. DEMOLITION TO BE PHASED IN SUCH A WAY AS TO MAINTAIN ACCESS TO REMAINING STRUCTURES.
7. CONTINUAL SAFE PEDESTRIAN ACCESS IS TO BE PROVIDED.

DEMOLITION PLAN

SCALE: 1"=30'



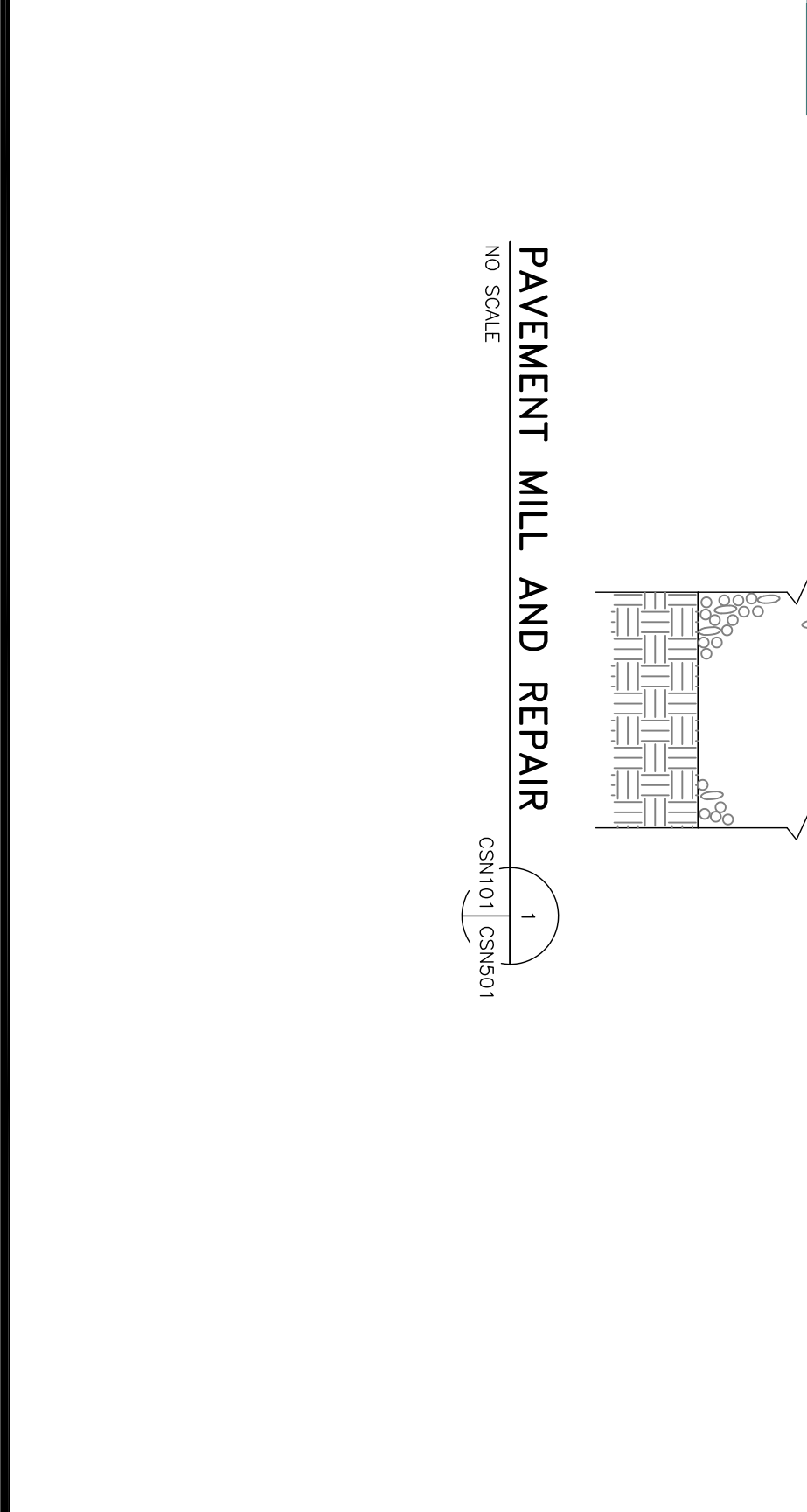
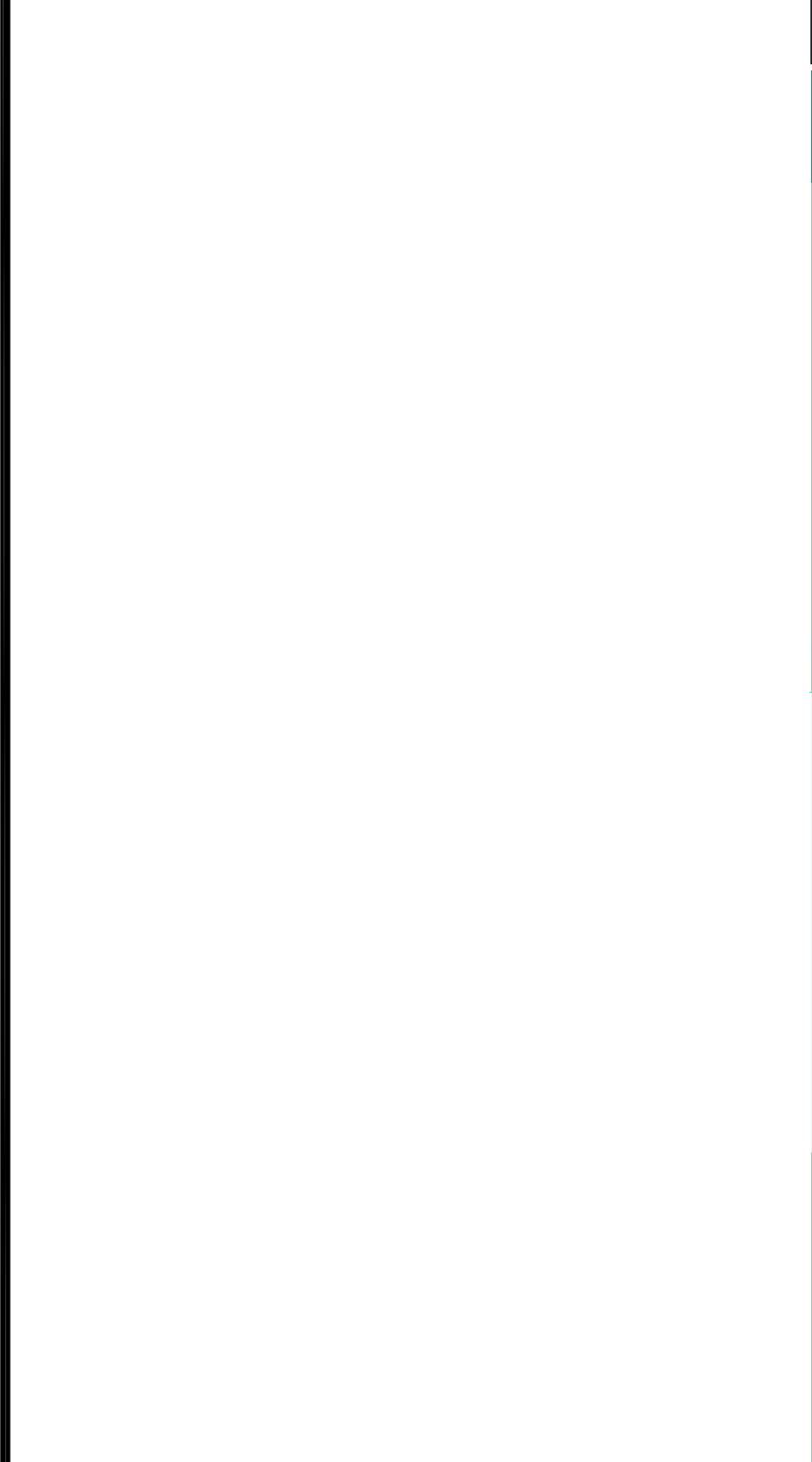
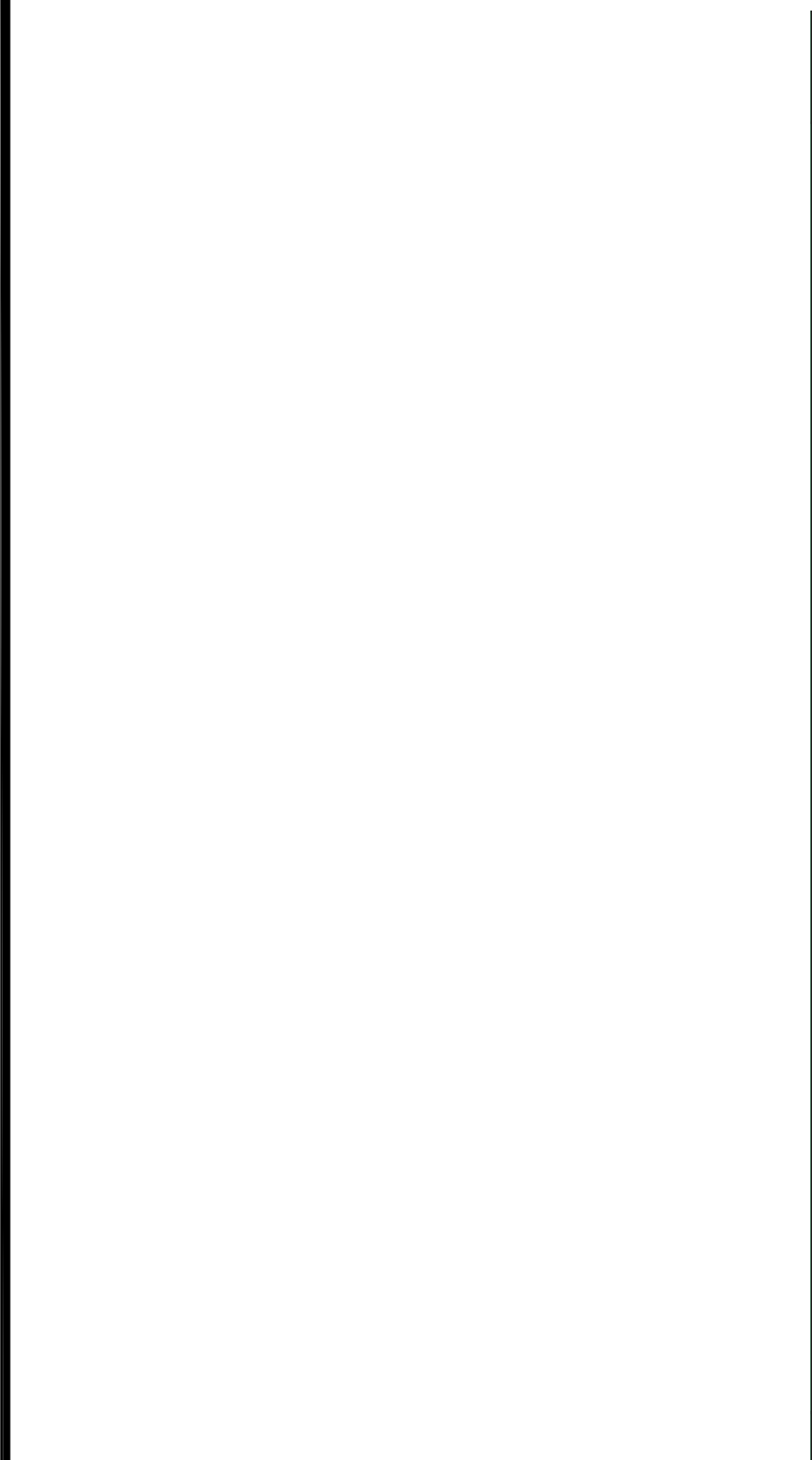
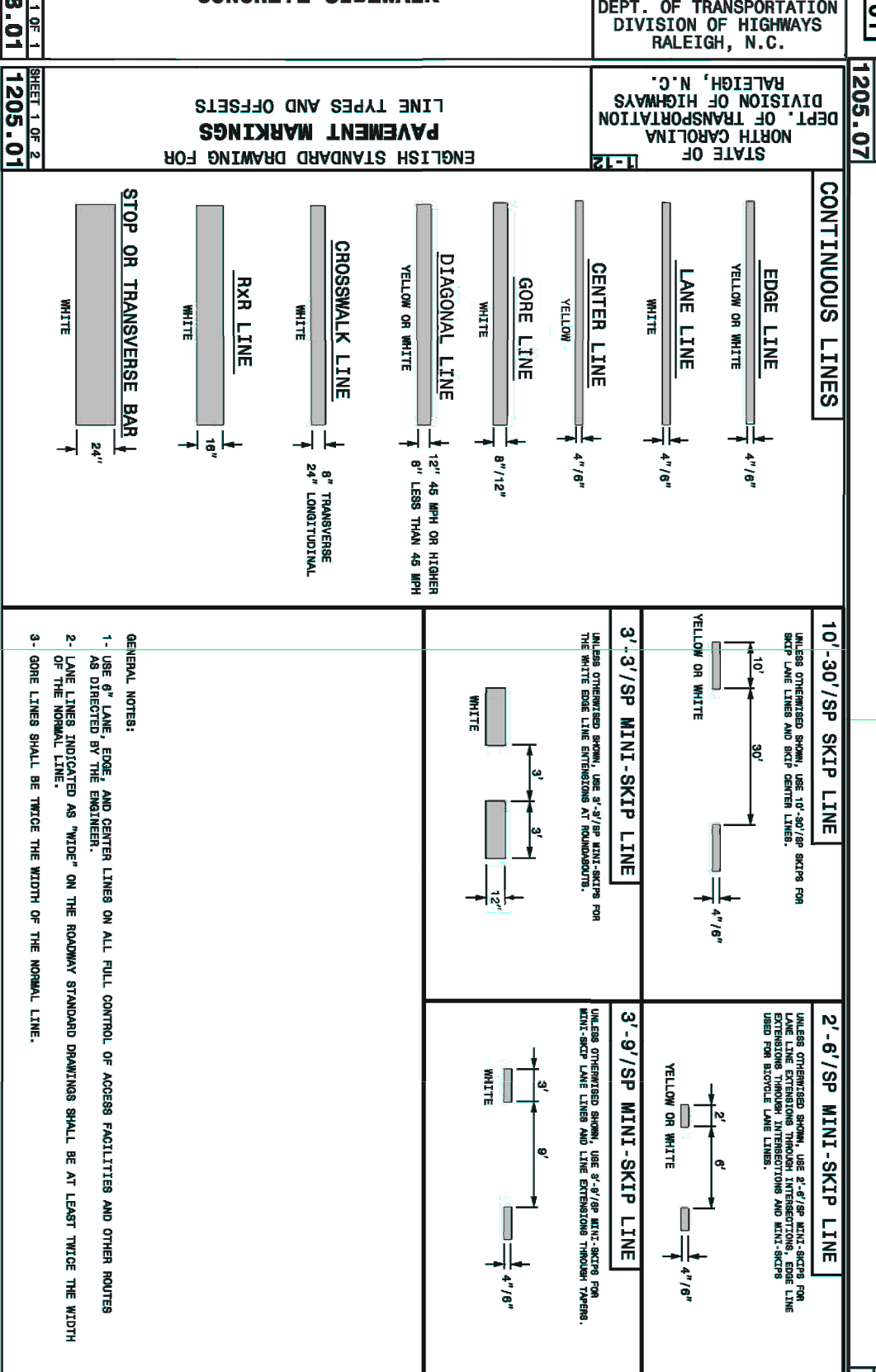
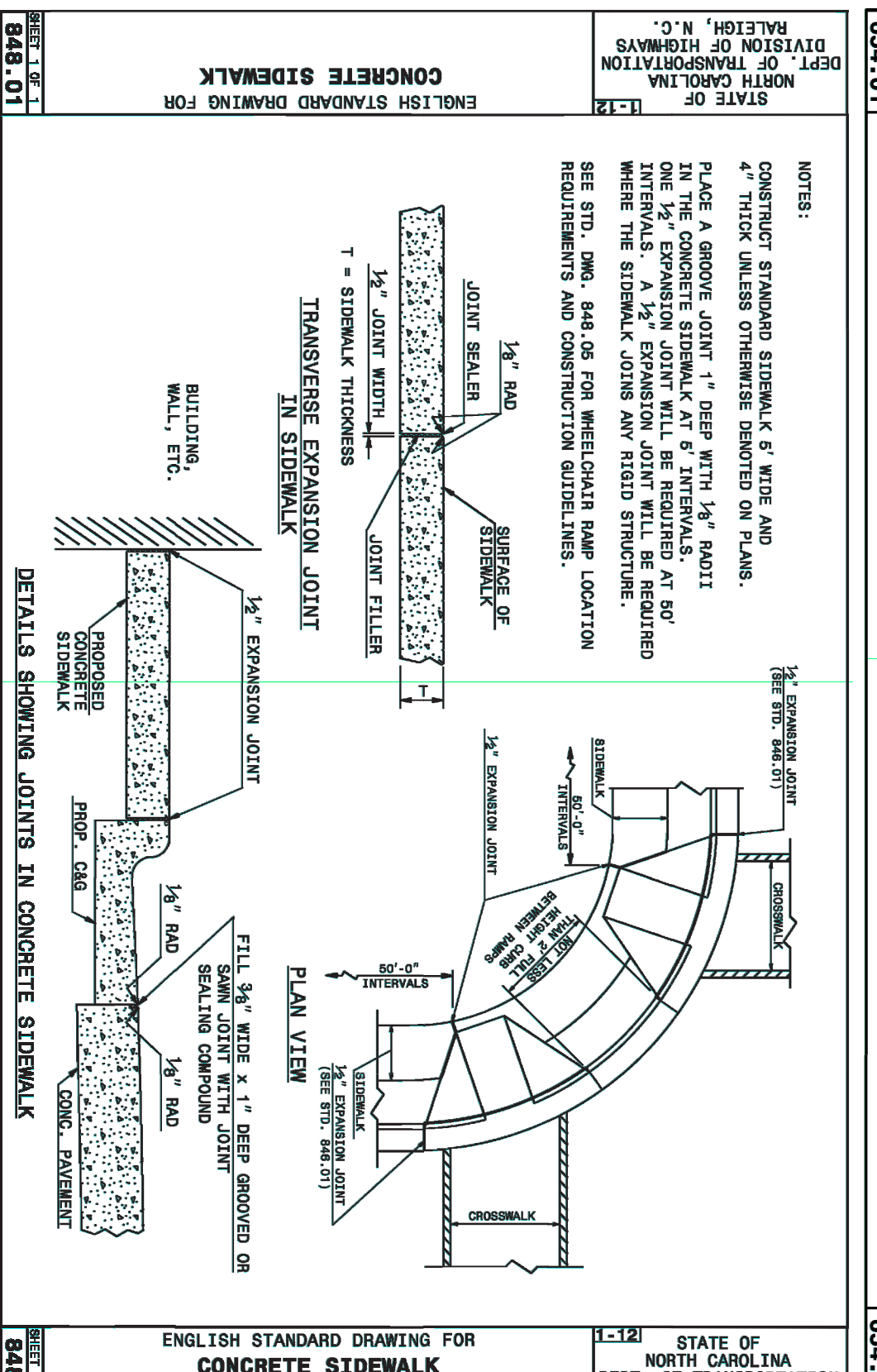
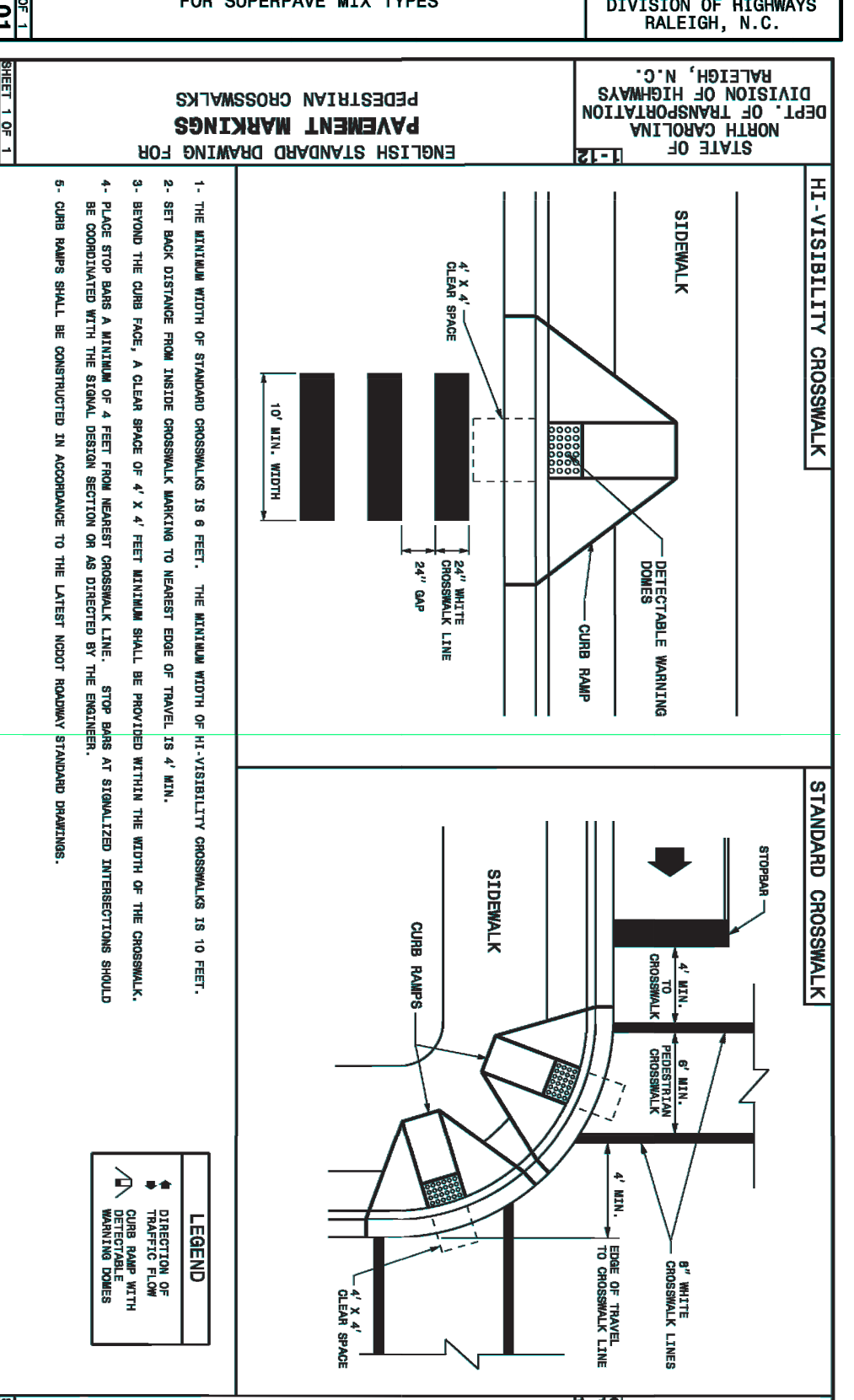
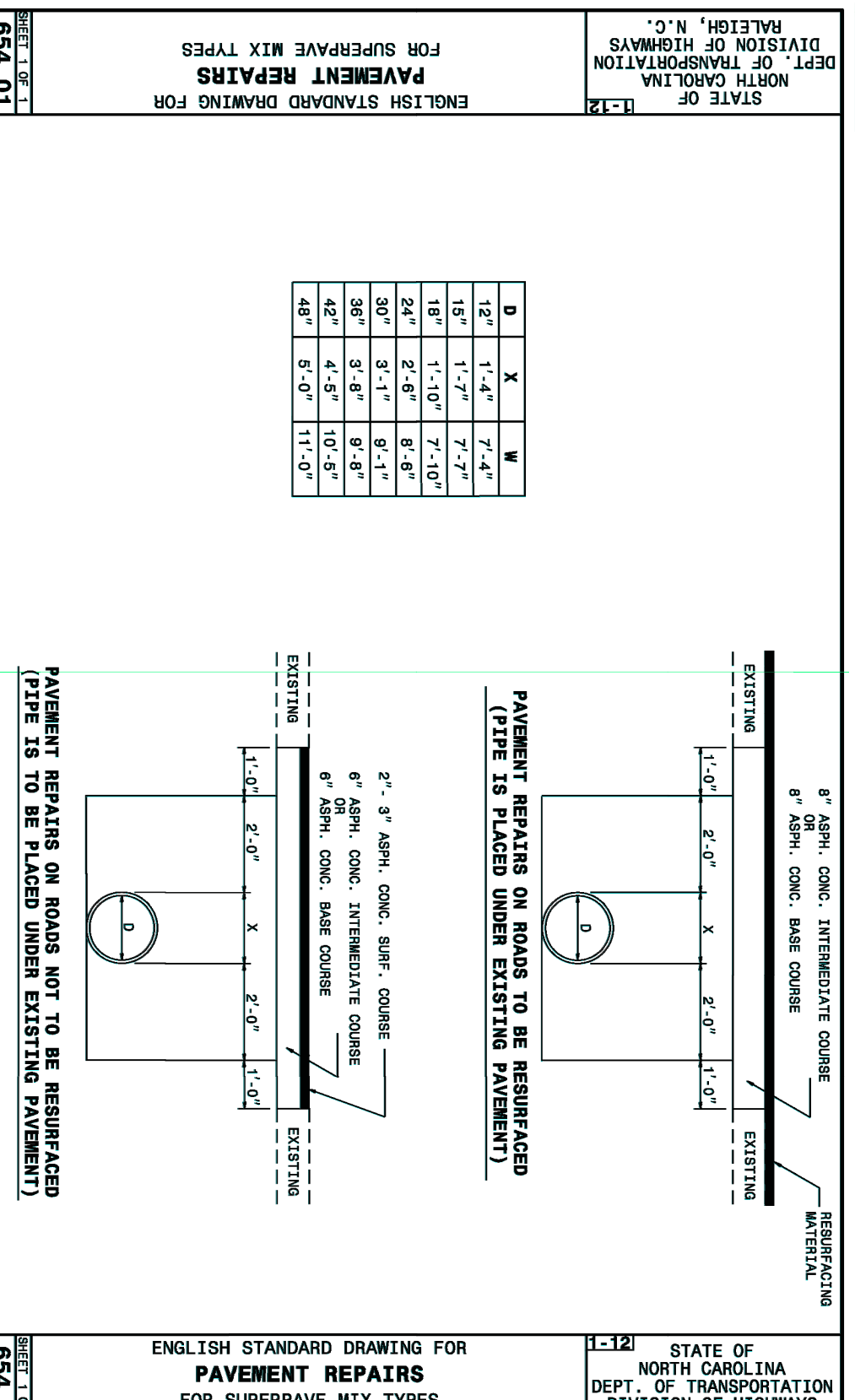
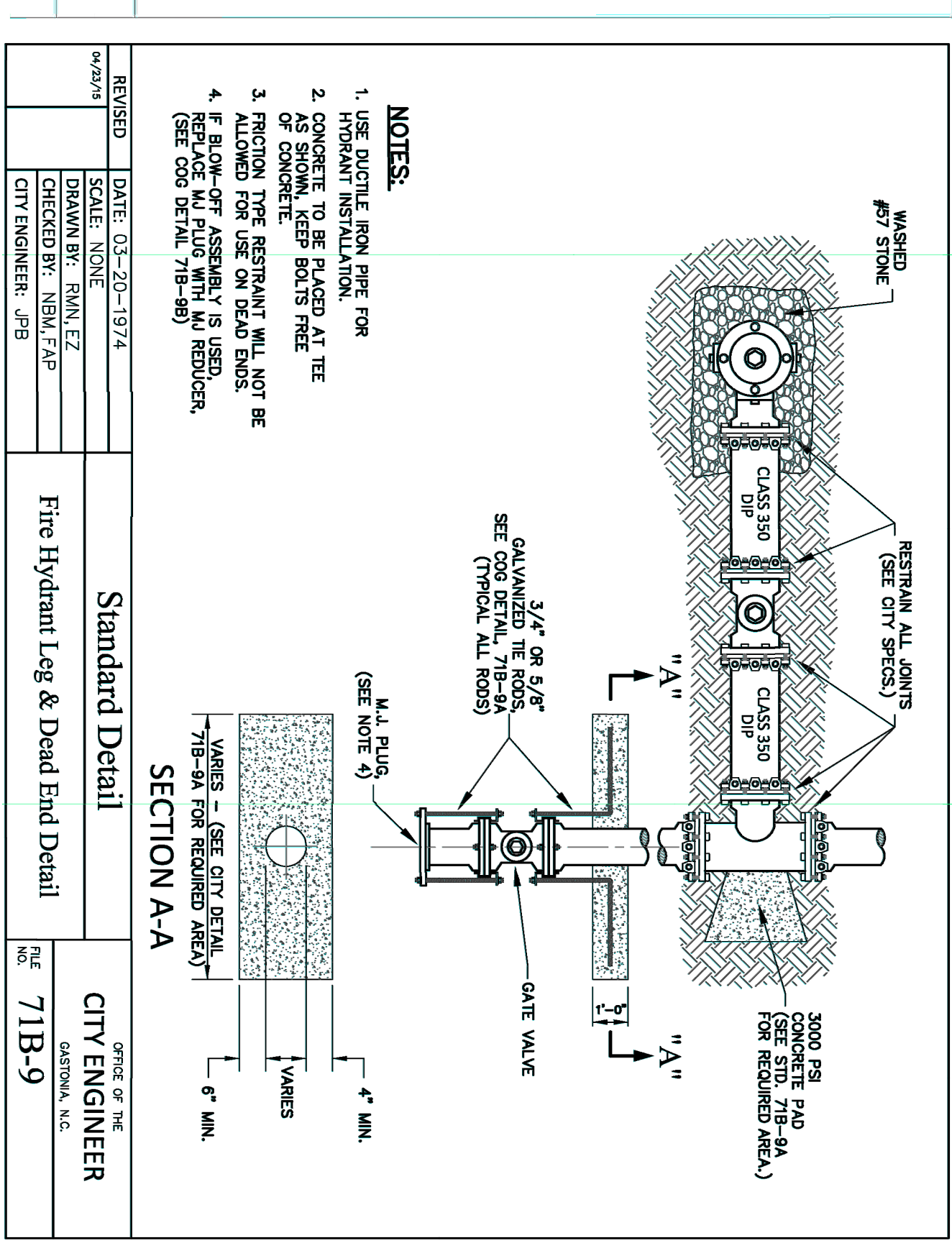
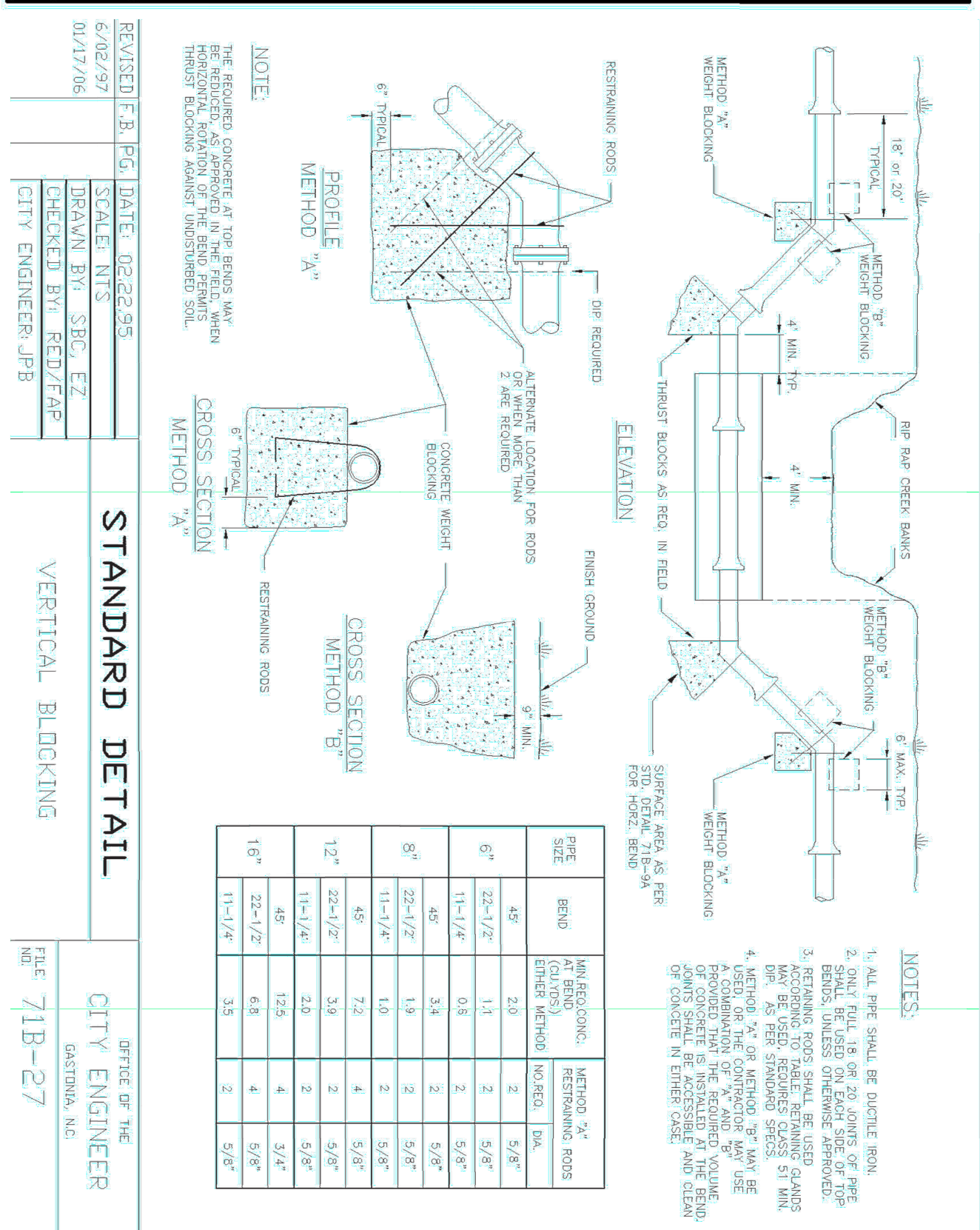
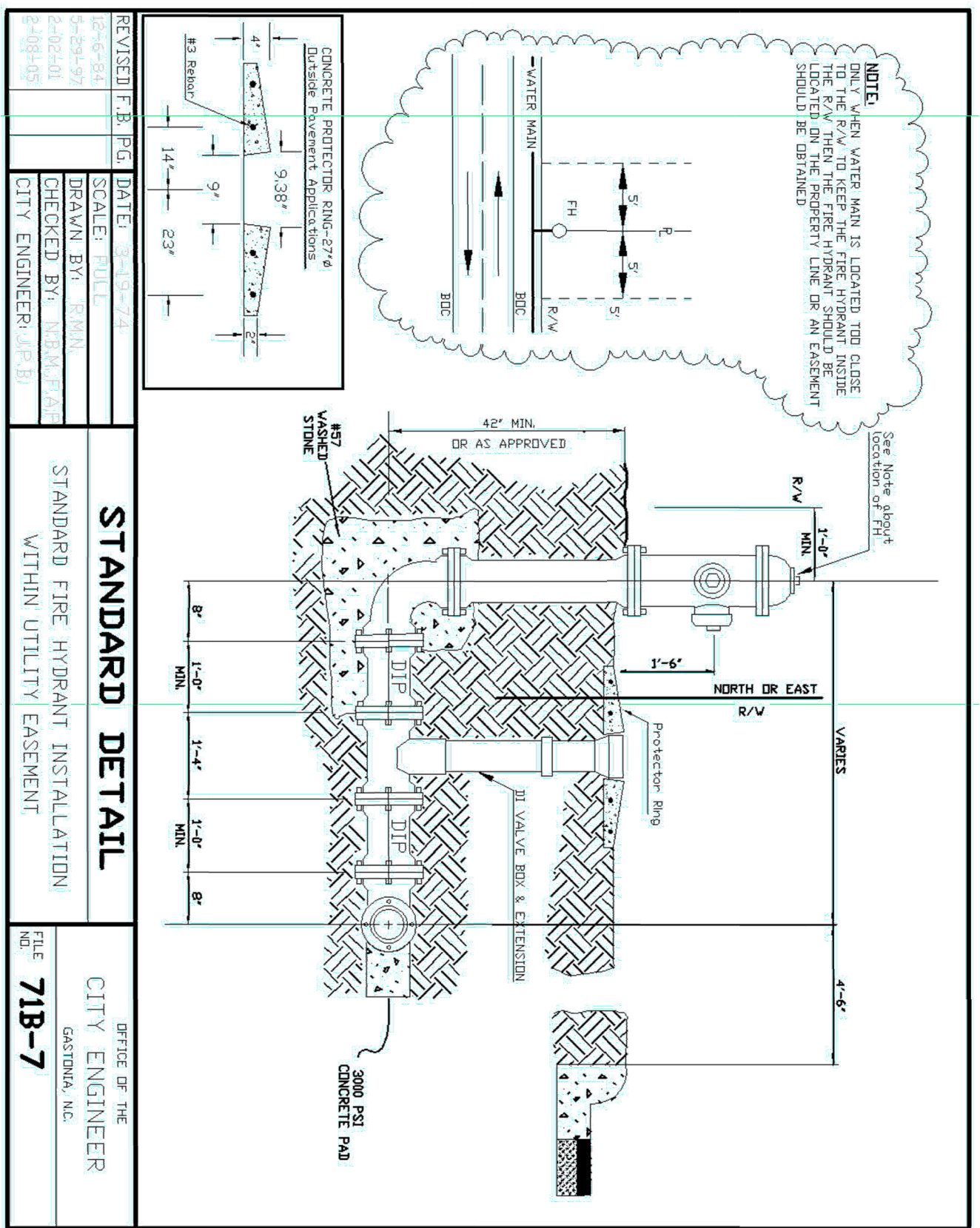
SHEET CDN101 OF	REVISIONS NO. DESCRIPTION DATE 1 ADDENDUM 1 08/21/23	DATE: 06/26/23 DRAWN BY: HEF CHECKED BY: WSC	JOB NUMBER: 21126 PROJECT TITLE: TOWN OF McADENVILLE McADENVILLE, NORTH CAROLINA McADENVILLE HALLIE BENTLEY WATER MAIN EXTENSION	 1209 9TH AVE NE; PO BOX 2351 HICKORY, NC 28601		
		DRAWING TITLE: DEMOLITION PLAN	DATE: 06/26/23	PROJECT TITLE: TOWN OF McADENVILLE McADENVILLE, NORTH CAROLINA McADENVILLE HALLIE BENTLEY WATER MAIN EXTENSION	1209 9TH AVE NE; PO BOX 2351 HICKORY, NC 28601	



- NOTES THIS SHEET:**
1. BELOW GRADE WATERLINE PIPING SHALL BE AS NOTED ON PLANS. ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH 15A NCC CHAPTER 18C.
 2. THE CONTRACTOR SHALL GUARANTEE THE COMPLETE PLUMBING SYSTEM AGAINST DEFECTS DUE TO FAULTY MATERIALS, FAULTY WORKMANSHIP OR FAILURE DUE TO THE DATE OF THE FINAL ACCEPTANCE AND SHALL CONTINUE FOR A PERIOD OF 12 MONTHS FROM ACCEPTANCE DURING WHICH TIME THE CONTRACTOR SHALL MAKE GOOD SUCH DEFECTIVE WORKMANSHIP AND MATERIALS AND ANY DAMAGE RESULTING THEREFROM, WITHIN A REASONABLE TIME OF NOTICE GIVEN BY THE OWNER.
 3. AT COMPLETION OF WORK, CONTRACTOR SHALL PROVIDE A COMPLETE SET OF AS-BUILT PLANS TO THE OWNER.
 4. CONTRACTOR SHALL MAINTAIN ACCESS TO UNDERGROUND UTILITIES W/ THE UTILITIES AS SHOWN ON THE PLUMBING AND MECHANICAL SITE PLANS.
 5. NEW WATERLINE AND EXISTING SEWER LINES, AND AT CROSSINGS, WATERLINE MUST CROSS ABOVE THE EXISTING SEWER LINE WITH A MINIMUM CLEARANCE OF 18 INCHES.
 6. NEW WATERLINE TO HAVE A MINIMUM COVER OF 3.5 FT.
 7. CONTRACTOR SHALL OBTAIN PERMITS REQUIRED FOR WATER MAIN EXTENSION.
- UTILITY NOTES**
1. CONCRETE BLOCKING (3000 PSI) TO BE PLACED AT ALL BENDS OR AS REQUIRED UNLESS MEGA LUGS OR RESTRAINED JOINTS ARE USED.
 2. STANDARD DEPTH OF COVER TO BE 3.5 FEET EXCEPT AT VALVE OR HYDRANT LOCATIONS OR OTHER SPECIAL SITUATIONS. COVER IS BASED ON ELEVATION BELOW EDGE OF PAVEMENT OR AS INDICATED ON THE PLANS.
 3. DONUTS MAY BE USED AS AN ALTERNATIVE AT THE DISCRETION OF THE UTILITIES INSPECTOR AT ALL VALVE BOXES.
 4. EXTENSIONS FOR VALVE BOXES, WHEN REQUIRED, ARE TO BE VALVE BOXES OR DIP (NO PVC OR C-900).
 5. ALL PAVEMENT CUTS, CONCRETE OR ASPHALT, ARE TO BE REPLACED ACCORDING TO THE STANDARD DETAILS OR AS REQUIRED BY THE NCDOT.
 6. WALKER CUTS ARE TO BE REPAIRED IMMEDIATELY AFTER REPAIRS OF INLET/OUTLET UTILITIES.
 7. REPLACEMENT OF 10" OF BASE IF APPROVED BY THE CITY OR NCDOT.
 8. SOLID SLEEVES TO BE USED FOR CONNECTING SPIGOT ENDS SHALL BE OF THE LONG BODY TYPE.
 9. ALL REPAIRS SHALL BE INSPECTED BY CITY BEFORE BACKFILLING.
 10. IN ANY INSTANCE WHERE IT WILL BE NECESSARY TO HAVE THE WATER SHUT OFF FOR 48 HOURS TO 7 DAYS IN ADVANCE DEPENDING ON THE LOCATION AND TYPES OF BUSINESSES THAT WILL BE AFFECTED.
 11. WATER LINES SHALL BE DISINFECTED AND HYDROSTATICALLY TESTED IN ACCORDANCE WITH ALL STATE AND LOCAL REQUIREMENTS.
 12. ALL PLANS SHALL MEET ALL FEDERAL, STATE, AND LOCAL UTILITY PROVIDER REGULATIONS, DESIGN CRITERIA, AND CONSTRUCTION STANDARDS.



SHEET CUN101 OF	DATE 08/21/23	DRAWING TITLE WATER UTILITY PLAN	OWNER TOWN OF McADENVILLE McADENVILLE, NORTH CAROLINA	PROJECT TITLE McADENVILLE HALLIE BENTLEY WATER MAIN EXTENSION	CLAYTON ENGINEERING & DESIGN 1209 9TH AVE NE; PO BOX 2351 HICKORY, NC 28601	NORTH CAROLINA PROFESSIONAL SEAL No. P-1463 CERTIFICATE OF AUTHORIZATION	NORTH CAROLINA PROFESSIONAL SEAL No. P-1463 CERTIFICATE OF AUTHORIZATION



NO.	DESCRIPTION	DATE
1	ADDENDUM 1	08/21/23

DESIGNER: WSC
OWNER: EMB
DATE: 08/21/23
DRAWING NO: 21126
PROJECT TITLE: TOWN OF McADENVILLE, NORTH CAROLINA, McADENVILLE HALLIE BENTLEY WATER MAIN EXTENSION

CLAYTON ENGINEERING & DESIGN
1209 9TH AVE NE; PO BOX 2351 HICKORY, NC 28601

CLAYTON ENGINEERING & DESIGN
NORTH CAROLINA
DESIGNER: WSC
NO. P-1463
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