

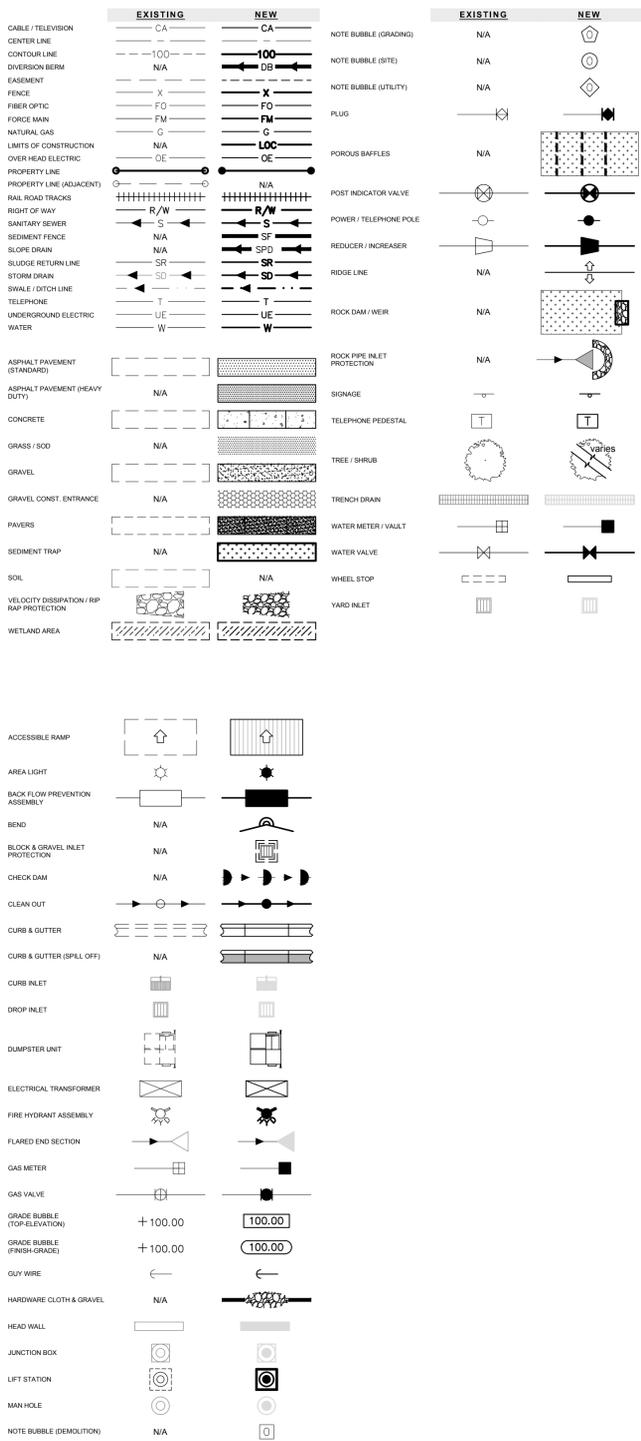
Property Identification Number: 0437-43-7377
 Property Address / Location: 415 W RUSSELL ST FAY
 FAYETTEVILLE NC 28301

Owner / Client Contact: CENTER FOR ECONOMIC EMPOWERMENT AND DEVELOPMENT
 Owner / Client Address: 230 HAY ST FAYETTEVILLE NC 28301
 Owner / Client Phone & Fax: (910) 323-3377

5 PROPERTY INFORMATION
 C-001 NO SCALE

ALL GENERAL NOTES, ABBREVIATIONS, SYMBOLS, AND OTHER INFORMATION INDICATED ON THIS SHEET SHALL APPLIED TO ALL CONTRACT DOCUMENTS AND SHEETS IN THIS SET.

- THE GENERAL CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AT THE JOB SITE.
- ALL ELEVATIONS SHOWN ARE IN REFERENCE TO THE BENCHMARK AND MUST BE VERIFIED BY THE GENERAL CONTRACTOR WITH THE SURVEYOR OF RECORD PRIOR TO BEGINNING CONSTRUCTION. BENCHMARK IS AN MAG NAIL LOCATED ON THE SW SIDE OF SITE ELEV.=100.72
- ALL DIMENSIONS AND ALL ELEVATIONS ARE MEASURED TO BACK OF CURB UNLESS OTHERWISE NOTED. THE INTENT OF THE LIMITS OF CONSTRUCTION (LOC) SHOWN ON THE DRAWINGS IS TO DEFINE THE GENERAL AREA TO CONSTRUCT. INSTALL AND/OR MODIFY THE SITE IMPROVEMENTS. TYPICALLY, THE LOC WILL FOLLOW RIGHT-OF-WAY OR PROPERTY BOUNDARIES. HOWEVER, THE LOC MAY BE SHOWN IN CERTAIN LOCATIONS FOR READABILITY AND CLARITY PURPOSES. THE CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE REGARDING ANY QUESTIONS AS TO THE EXACT LOCATION OF THE LOC PRIOR TO BID AND PRIOR TO BEGINNING CONSTRUCTION. ALL ITEMS SHOWN ON THESE PLANS THAT DO NOT SPECIFICALLY STATE 'NOT-IN-CONTRACT (NIC)' SHALL BE INCLUDED IN THE BID COST, INCLUDING ITEMS THAT MAY BE OUTSIDE THE LOC BOUNDARY.
- LOCATIONS OF EXISTING UTILITY LINES HAVE BEEN TAKEN FROM UTILITY RECORDS SUPPLEMENTED BY FIELD INSPECTIONS AND SHOULD INDICATE IN GENERAL, THE TYPE OF UNDERGROUND FACILITIES NOW IN SERVICE. LOCATIONS SHOWN ARE NOT GUARANTEED. DEVELOPERS OR CONTRACTORS SHALL NOT ONLY MAKE SURFACE INVESTIGATIONS BUT SHALL ALSO ALLOW FOR CONTINGENCIES WHICH MIGHT ARISE BY REASON OF ENCOUNTERING UNRECORDED LINES OR LINES BEING IN DIFFERENT LOCATIONS THAN INDICATED ON THIS PLAN. AT LEAST 48-HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY, EXCAVATION, GRADING, OR DIGGING ON THE SITE, THE GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES TO VERIFY AND/OR FIELD-LOCATE THEIR RESPECTIVE UTILITIES (THE NORTH CAROLINA ONE CALL CENTER - 1-800-632-4949). ALL DAMAGE INCURRED TO EXISTING UTILITY LINES DURING CONSTRUCTION SHALL BE REPAIRED AT THE GENERAL CONTRACTORS EXPENSE.
- ALL WASTE MATERIAL SHALL BE LEGALLY DISPOSED OF OFF-SITE.
- A FORMAL EROSION AND SEDIMENTATION CONTROL PERMIT IS REQUIRED FOR THIS SITE UNDER THE REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES (NCDENR). THE GENERAL CONTRACTOR IS REQUIRED TO AND SHALL FOLLOW ALL LOCAL, STATE AND FEDERAL REGULATIONS TO MINIMIZE EROSION AND THE TRANSPORT OF SEDIMENT OFF-SITE DURING CONSTRUCTION, INCLUDING THE PLACEMENT AND MAINTENANCE OF CONTROL MEASURES. ALL MEASURES REQUIRED SHALL BE INCLUDED IN THE BID COST WHETHER SPECIFICALLY INDICATED OR NOT.
- ALL PARKING STRIPES SHALL BE 4" WIDE AND SHALL BE MARKED WITH STANDARD WHITE TRAFFIC PAINT. ALL ISLANDS AND TRAFFIC ARROWS SHALL BE MARKED WITH STANDARD WHITE TRAFFIC PAINT.
- ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL FAYETTEVILLE, CUMBERLAND COUNTY & STATE REQUIREMENTS.
- DISTURBED AREAS NOT COVERED BY ASPHALT OR OTHER IMPERMEABLE SURFACES SHALL BE SEEDED AND STABILIZED PER SPECIFICATIONS.
- ACCESSIBLE PARKING SPACES, ACCESS AISLES, & SIGNAGE SHALL BE PROVIDED BY THE GENERAL CONTRACTOR AND INSTALLED PER FEDERAL, STATE, AND LOCAL REQUIREMENTS UNDER THE AMERICANS WITH DISABILITIES ACT (ADA). STANDARD R7-8 RESERVED PARKING AND MAXIMUM PENALTY \$250 NCGS 20.37.6 SIGNS MUST BE INSTALLED IN FRONT OF ALL ACCESSIBLE PARKING SPACES. "VAN ACCESSIBLE" SIGNS MUST BE PROVIDED IN FRONT OF THE VAN ACCESSIBLE PARKING SPACE(S).
- ALL TRAFFIC CONTROL DEVICES, PAVEMENT MARKINGS, SIGNS, AND SIGNALS SHALL BE DESIGNED, INSTALLED AND MAINTAINED IN CONFORMANCE WITH THE STANDARDS SET FORTH IN THE NORTH CAROLINA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- THESE PLANS INDICATE THE MAJOR DEMOLITION COMPONENTS TO BE REMOVED AND/OR, RELOCATED. HOWEVER, THE CONTRACTOR SHALL DEMOLISH AND/OR RELOCATE ALL MISCELLANEOUS COMPONENTS NOT SPECIFICALLY INDICATED ON THESE PLANS TO PROVIDE A CLEAN SITE FOR THE INSTALLATION OF THE NEW IMPROVEMENTS.
- SURVEY, BASE MAPPING, & TOPOGRAPHICAL DATA PROVIDED BY JOHN F. DOWNING, PLS-CLINTON, NC 28328 - (910) 824-1444
- CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING TREE PROTECTION FENCING AROUND ALL "AT-RISK" TREES WITHIN THE VICINITY OF THE CONSTRUCTION ACTIVITY WHETHER SPECIFICALLY INDICATED ON THE PLANS OR NOT. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION OR OTHER DEVELOPMENT ACTIVITIES, AND SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT THE DURATION OF THE PROJECT UNTIL FINAL SITE INSPECTION. REFER TO CONSTRUCTION PLAN DETAIL SHEETS FOR TREE PROTECTION DETAIL(S).
- AREAS OF SHADED CURB & GUTTER INDICATE THE USE OF CONCRETE "SPILL-OFF" CURB & GUTTER. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL & NATURAL RESOURCES & THE NORTH CAROLINA DEPARTMENT OF WATER QUALITY FOR APPROVAL TO REMOVE ALL CONSTRUCTED TEMPORARY & PERMANENT EROSION & SEDIMENTATION CONTROL MEASURES, AND FOR THE APPROVAL OF PERMANENT GROUND COVER.
- CONTRACTOR SHALL INSTALL A RAIN GAUGE AND MAINTAIN A MONITORING LOG ACCORDING TO NCDENR REQUIREMENTS UNTIL THE AGENCY HAS RELEASED THE SITE.
- CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL ACCORDING TO NCDOT REQUIREMENTS DURING THE CONSTRUCTION OF IMPROVEMENTS IN THE RIGHT-OF-WAY.
- CONTRACTOR SHALL PROVIDE RED-LINE PRINTS OF ALL CHANGES AND MODIFICATIONS. THIS INFORMATION SHALL BE PROVIDED TO THE DESIGNER OF RECORD AT THE TIME OF SUBSTANTIAL COMPLETION.
- CONTRACTOR SHALL INSTALL 6-FT HIGH TEMPORARY CHAIN LINK CONSTRUCTION FENCING IN ALL AREAS WHERE DIRECT ACCESS TO CONSTRUCTION ACTIVITY IS POSSIBLE, AND SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH THE OWNER REGARDING THE LOCATION OF THE CONSTRUCTION FENCE AND PEDESTRIAN TRAFFIC CONTROL DURING CONSTRUCTION. ALL FENCING SHALL BE INCLUDED IN THE BID COST WHETHER SPECIFICALLY INDICATED OR NOT.
- THE CONTRACTOR SHALL PROVIDE RECORD DRAWINGS TO BE SEALED BY A PROFESSIONAL LAND SURVEYOR INDICATING THE TOPOGRAPHY OF THE STORM WATER POND AT ONE-FOOT CONTOUR INTERVALS. THEY ALSO SHALL PROVIDE THEIR DRAWINGS IN AN ELECTRONIC VERSION. THE FOLLOWING MINIMUM INFORMATION SHALL ALSO BE INCLUDED: TOP AND BOTTOM ELEVATIONS, SIDE SLOPES, INVERTS, WEIR LOCATION AND ELEVATION, ORIFICE, PIPE SIZES AND LOCATIONS, OUTFALL STRUCTURE, AND DIAMETER AND INVERT OF OUTFALL STRUCTURE ORIFICE. PRIOR TO SENDING THE REQUIRED DRAWING, THE CONTRACTOR SHALL CHECK AND ADJUST ALL POND COMPONENTS TO COMPLY WITH CONTRACT DOCUMENT. ANY RECORD DRAWINGS SUBMITTED THAT DOES NOT COMPLY WITH THE CONTRACT DOCUMENTS SHALL BE REJECTED WITHOUT COMMENT. THE CONTRACTOR SHALL BE CHARGED \$800 PER ADDITIONAL REVIEW. UNLESS WRITTEN AUTHORIZATION IS GIVEN BY THE DESIGNER, THE CONTRACTOR CANNOT DEVIATE FROM THE DESIGN. THE CONTRACTOR SHALL HAVE A MANDATORY PRE-INSTALLATION CONFERENCE PRIOR TO THE CONSTRUCTION OF THE POND.
- CONTRACTOR SHALL NOTIFY CITY OF FAYETTEVILLE ENGINEERING DEPARTMENT PRIOR THE STORM WATER POND INSTALLATION. MINIMUM INSPECTION INCREMENTS ARE AS FOLLOWS:
 - EXCAVATION OF THE POND
 - FOREBAY
 - SIDE SLOPES PIPES, FLARED END SECTION(S), & RIPRAP
 - RISER & BARREL
 - EMERGENCY SPILLWAY
 - VEGETATION
 - FINAL INSPECTION / APPROVAL PRIOR TO CERTIFICATE OF OCCUPANCY
- CONTRACTOR SHALL MAINTAIN A COPY OF ALL THE CITY OF FAYETTEVILLE APPROVAL DOCUMENTS (PLANS, LETTER, ETC.) ON SITE DURING CONSTRUCTION.
- ALL EXCAVATION IN THE PROJECT AREA SHALL BE UNCLASSIFIED. CONTRACTOR SHALL INCLUDE ALL COST ASSOCIATED WITH SOIL MATERIAL REMOVAL, REPAIR AND DISPOSAL UNDER THE BASE BID SCOPE OF WORK



Abbreviation:	Description:	Abbreviation:	Description:
A/C	AIR CONDITIONING	L	LENGTH, LEFT
ADJ	ADJACENT	LF	LINEAR FOOT
AFF	ABOVE FINISH FLOOR	LFT	LEFT
AL	AREA LIGHT		
APX	APPROXIMATE	MAX	MAXIMUM
ASBY	ASSEMBLY	MIN	MINIMUM
ASPH	ASPHALT	MISC	MISCELLANEOUS
AUTO	AUTOMATIC	MON	MONUMENT
B.O.	BLOW-OFF	NIC	NOT IN CONTRACT
B.V.	BALL VALVE	NTS	NOT TO SCALE
BW	BETWEEN		
BFF	BELOW FINISH FLOOR	O.C.	ON CENTER
BLDG	BUILDING	OH	OVER HEAD
BOC	BACK OF CURB		
BOW	BOTTOM OF WALL	PC	POINT OF CURVATURE
BOX	BOX	PI	POINT OF INTERSECTION
CF	CUBIC FOOT	PIV	POST INDICATION VALVE
CI	CURB INLET	PP	POWER POLE
CL	CENTER LINE	PT	POINT OF TANGENCY
CMS	CONCRETE MONUMENT SET	PVC	POLYVINYL CHLORIDE
CMU	CONCRETE MASONRY UNIT	PVMT	PAVEMENT
CONC	CONCRETE	R	RADIUS, RIGHT
CONSTR	CONSTRUCTION	R.J.	RESTRAINED JOINT
CONTR	CONTRACTOR	R/W	RIGHT OF WAY
CTI	CAST IRON	RCP	REINFORCED CONCRETE PIPE
CY	CUBIC YARD	RDCO	ROOF DRAIN CLEAN OUT
D	DEPTH	RED	REDUCED
DEMO	DEMOLISH (DEMOLITION)	REM	REMOVE
DI	DUCTILE IRON	RNF	REINFORCE
DIAM	DIAMETER	ROD	REQUIRED
DM	DIMENSION	RGMT	REQUIREMENT
DWG	DRAWING	RT	RIGHT
		RWM	RIGHT OF WAY MARKER
ECM	EXISTING CONCRETE MONUMENT	SCH	SCHEDULE
EIP	EXISTING IRON PIPE	SD	STORM DRAIN
EIS	EXISTING IRON STAKE	SDCO	STORM DRAIN CLEAN OUT
ELEC	ELECTRIC (ELECTRICALLY)	SDMH	STORM DRAIN MANHOLE
ELEV	ELEVATION	SED	SEDIMENT
ELMH	ELECTRICAL MANHOLE	SF	SQUARE FOOT
ENCL	ENCLOSURE	SLV	SLEEVE
EOC	EDGE OF CONCRETE	SPEC	SPECIFICATION
EOP	EDGE OF PAVEMENT	SEQ	SQUARE
EOPT	EQUIPMENT	SS	SANITARY SEWER
ESMT	EASEMENT	SSCO	SANITARY SEWER CLEAN OUT
EX	EXISTING	SSMH	SANITARY SEWER MANHOLE
EXCV	EXCAVATE (EXCAVATION)	STA	STATION
EXT	EXTERIOR	STD	STANDARD
		STOR	STORAGE
FES	FLARED END SECTION	STSL	STAINLESS STEEL
FFE	FINISH FLOOR ELEVATION	SY	SQUARE YARD
FH	FIRE HYDRANT		
FIN	FINISH	TBM	TEMPORARY BENCHMARK
FLR	FLOOR	TEL	TELEPHONE
FNC	FENCE	TEMP	TEMPORARY
FO	FIBER OPTIC	THK	THICK
FOXB	FIBER OPTIC BOX	TMH	TELEPHONE MANHOLE
FOC	FACE OF CURB	TOG	TOP OF GRATE
FT	FOOT	TOH	TOP OF HOOD
		TOP	TOP ELEVATION
G.V.	GATE VALVE	TOW	TOP OF WALL
GA	GAUGE	TPED	TELEPHONE PEDESTAL
GALV	GALVANIZE	TS&V	TAPPING SADDLE & VALVE
GND	GROUND	TTE	TIE TO EXISTING
GRAV	GRAVEL	TYP	TYPICAL
HDPE	HIGH DENSITY POLYETHYLENE	UG	UNDER GROUND
HORZ	HORIZONTAL	UTIL	UTILITY
HT	HEIGHT		
HVAC	HEATING / VENTILATING / A/C	VAL	VALVE
HVD	HEAVY DUTY	VERT	VERTICAL
HW	HEAD WALL		
		W/	WITH
IN	INCH	WO	WITHOUT
INT	INTERIOR	WL	WATER LINE
INV	INVERT	WM	WATER MAIN, WATER METER
ISS	IRON STAKE SET	WWF	WELDED WIRE FABRIC
JB	JUNCTION BOX	YI	YARD INLET
JNT	JOINT		

3 GENERAL NOTES
 C-001 NO SCALE

2 LEGEND / KEY
 C-001 NO SCALE

1 ABBREVIATIONS
 C-001 NO SCALE

6 VICINITY MAP
 C-001 NO SCALE

Sheet Title:	Sheet Number:
GENERAL NOTES, LEGEND & ABBREVIATIONS	C-001
DEMOLITION PLAN	C-100
SITE PLAN	C-201
UTILITY PLAN	C-401
DETAILS	C-500 THRU C-503
LANDSCAPE PLAN	L-101

4 NOT USED
 C-001 NO SCALE

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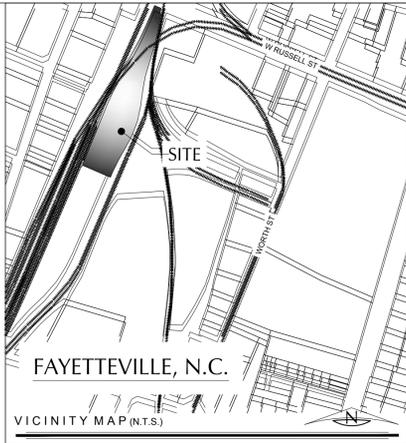
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 CHECKED BY: FDC

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GENERAL NOTES,
 LEGEND, &
 ABBREVIATIONS

C-001

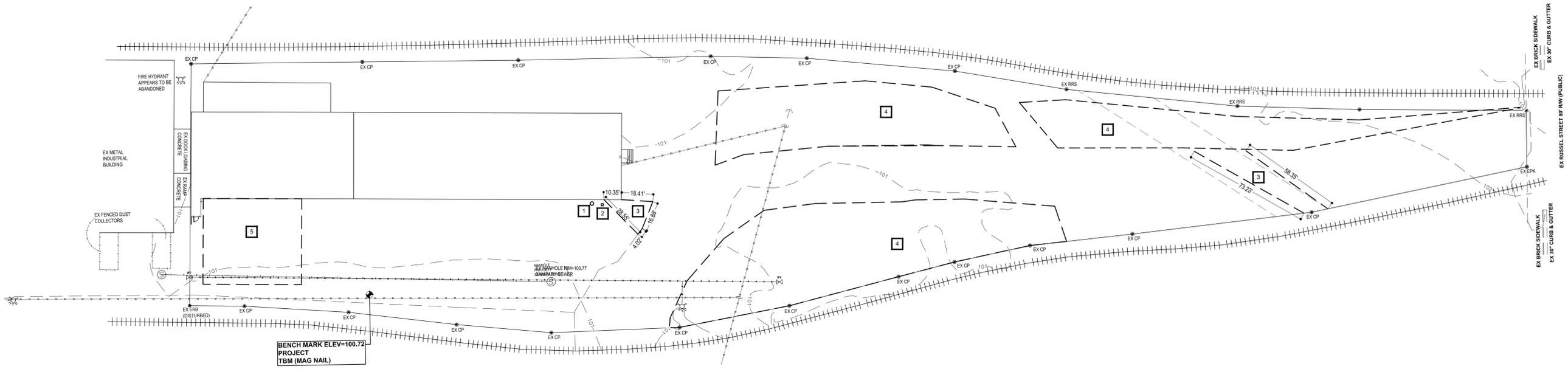


DEMOLITION NOTES

- 1 CLEANOUT AND SERVICE TO SANITARY LINE.
- 2 REMOVE WATER METER AND SERVICE TO WATER MAIN.
- 3 SAW CUT & REMOVE ASPHALT AND BASE MATERIAL.
- 4 REMOVE GRAVEL, DEBRIS AND OTHER DETRITUS MATERIALS
- 5 CUT AND PATCH ASPHALT FOR THE INSTALLATION OF UTILITIES.

ADDITIONAL NOTES

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- ALL ELEVATIONS SHOWN ARE IN REFERENCE TO THE BENCHMARK AND MUST BE VERIFIED BY THE GENERAL CONTRACTOR WITH THE SURVEYOR OF RECORD PRIOR TO BEGINNING CONSTRUCTION. BENCHMARK IS AN MAG NAIL LOCATED ON THE SW SIDE OF SITE. ELEV.=100.723. THESE PLANS INDICATE THE MAJOR DEMOLITION COMPONENTS TO BE REMOVED AND/OR, RELOCATED. HOWEVER, THE CONTRACTOR SHALL DEMOLISH AND/OR RELOCATE ALL MISCELLANEOUS COMPONENTS NOT SPECIFICALLY INDICATED ON THESE PLANS TO PROVIDE A CLEAN SITE FOR THE INSTALLATION OF THE NEW IMPROVEMENTS.
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1 DEMOLITION PLAN
C-100 1" = 30'

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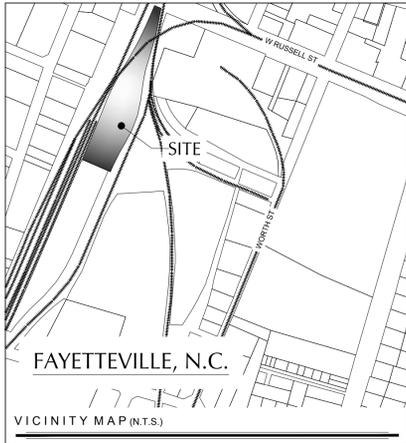
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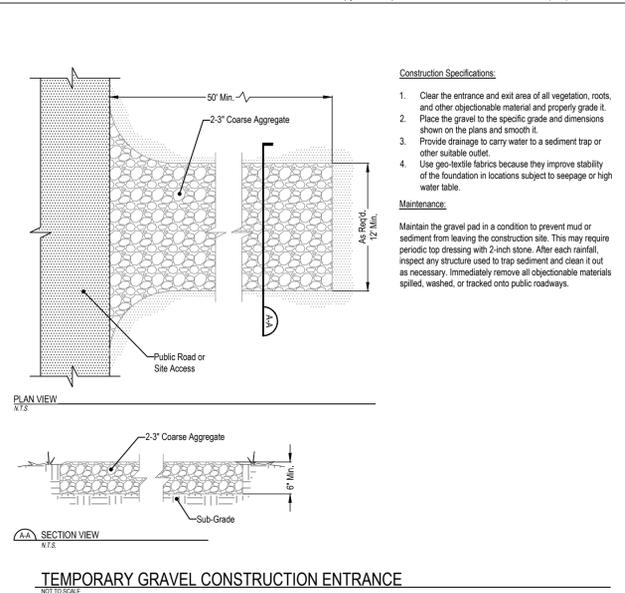
DEMOLITION PLAN

C-100

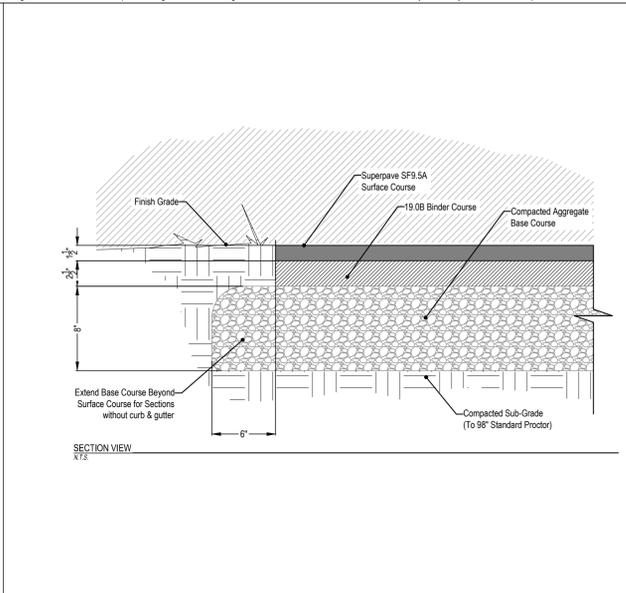


- SITE NOTES**
- 1 INSTALL PAINTED LINES (IN BASE BID)
 - 2 INSTALL BURIED LANDSCAPE TIMBERS FLUSH WITH GRAVEL
 - 3 INSTALL PAVEMENT GRAVEL 8 INCH SEE SHT. C-501, #8
 - 4 INSTALL CHAIN LINK FENCE SEE SHT. C-501, #3 (ALTERNATE 6 IS THE NEW YARD FENING)
 - 5 INSTALL DUMPSTER ENCLOSURE SEE SHT. C-502, #1
 - 6 INSTALL SIDEWALK SEE SHT. C-501, #9
 - 7 INSTALL ADA RAMP & PARKING SEE SHT. C-503, #1
 - 8 INSTALL PAD - REINFORCED SEE SHT. C-501, #7
 - 9 INSTALL TEMPORARY GRAVEL CONSTRUCTION ENTRANCE SEE DETAIL THIS SHEET
 - 10 NORTH SIDE STEPS, RAMP AND SIDEWALK (ALTERNATE 5)
 - 11 CLEAN, SEAL COAT THE EXISTING ASPHALT PAVING (ALTERNATE 8)
 - 12 GRADING AND COMPACT EXISTING GRAVEL AREA.
 - 13 INSTALL ASPHALT PAVEMENT - HEAVY DUTY SEE DETAIL THIS SHEET

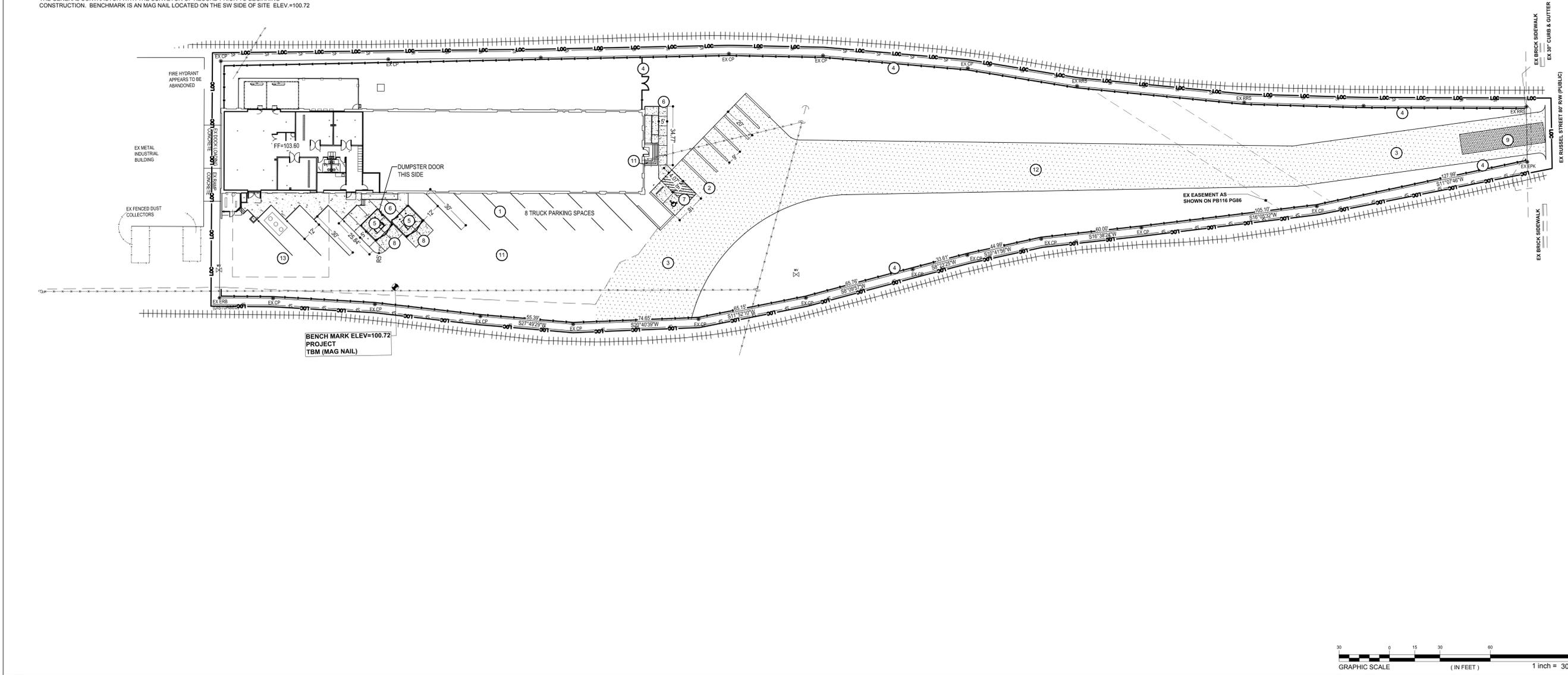
- ADDITIONAL NOTES**
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1 TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
C-201 NOT TO SCALE



1 ASPHALT PAVEMENT - HEAVY DUTY
C-201 NOT TO SCALE



1 SITE PLAN
C-102 1" = 30'



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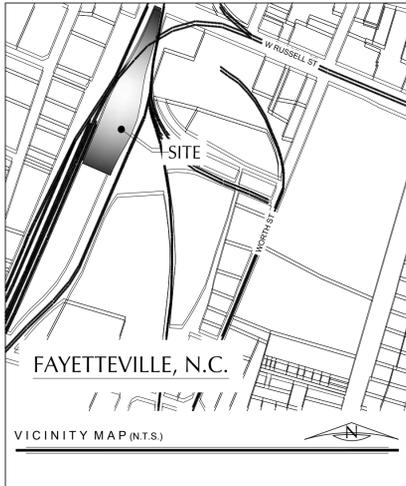
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UTILITY NOTES

- ◇ INSTALL VALVE BOX SEE SHT. C-501, #1
- ◇ INSTALL 2 1/2" DOMESTIC LATERAL SEE SHT. C-503, #7
- ◇ INSTALL SEWER SERVICE LATERAL (4-INCH AND 6-INCH) SEE SHT. C-503, #10
- ◇ INSTALL TYPICAL CLEANOUT SANITARY SEWER SEE SHT. C-503, #8
- ◇ INSTALL SEDIMENT FENCE SEE SHT. C-503, #6

SANITARY SEWER SERVICE NOTES

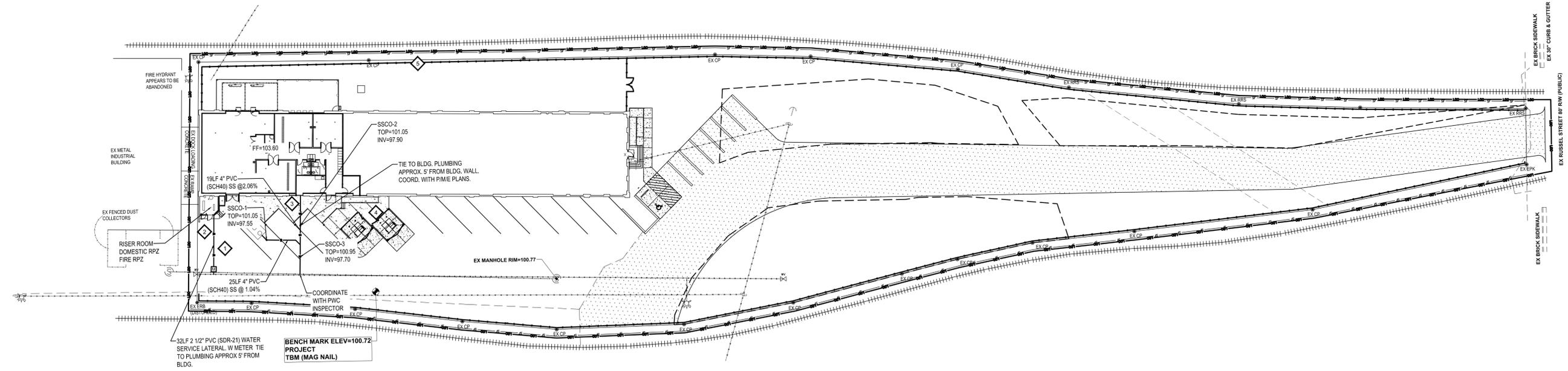
- FAYETTEVILLE PUBLIC WORKS COMMISSION - (910) 223-7788
1. SANITARY SEWER SERVICES & MAINS SHALL HAVE A MINIMUM COVER OF 36-INCHES OR AS REQUIRED BY CODE.
 2. CONTRACTOR SHALL COORDINATE INSTALLATION OF SANITARY SEWER MAINS & SERVICES W/ FAYETTEVILLE PUBLIC WORKS COMMISSION.
 3. ALL SANITARY SEWER MAINS & SERVICES SHALL BE INSTALLED & AIR-TESTED ACCORDING TO FAYETTEVILLE PUBLIC WORKS COMMISSION & STATE SPECIFICATIONS & REQUIREMENTS.
 4. CONTRACTOR SHALL MAINTAIN A HORIZONTAL CLEARANCE BETWEEN ALL WATER & SANITARY SEWER MAINS OF AT LEAST 10-FEET.
 5. THE MINIMUM VERTICAL CLEARANCE BETWEEN WATER & SANITARY SEWER LINES SHALL BE 18-INCHES UNLESS DUCTILE IRON IS SPECIFIED. THE MINIMUM VERTICAL CLEARANCE BETWEEN SANITARY SEWER & STORM DRAINAGE LINES SHALL BE 24-INCHES UNLESS DUCTILE IRON IS SPECIFIED.
 6. CONTRACTOR SHALL NOTIFY FAYETTEVILLE PUBLIC WORKS COMMISSION AND ENGINEER OF RECORD FORTY-EIGHT (48) HOURS IN ADVANCE PRIOR TO INSTALL SANITARY SEWER MAINS / SERVICES.
 7. CONTRACTOR SHALL NOT OBSTRUCT MAINTENANCE OR ACCESS TO UTILITIES LOCATED WITHIN EASEMENTS.

WATER SERVICE NOTES

- FAYETTEVILLE PUBLIC WORKS COMMISSION - (910) 223-7766
1. WATER MAINS AND SERVICE LATERALS SHALL HAVE A MINIMUM COVER OF 42-INCHES OR DIP SHALL BE USED. IF 42-INCHES OF COVER CANNOT BE PROVIDED AND DIP IS NOT SHOWN ON THE PLANS, CONSULT WITH THE ENGINEER (PRIOR TO USE OF DIP).
 2. CONTRACTOR SHALL COORDINATE INSTALLATION OF WATER MAINS & SERVICES W/ FAYETTEVILLE PUBLIC WORKS COMMISSION.
 3. INSTALLATION AND TESTING OF ALL WATER MAINS & SERVICES SHALL MEET ALL FAYETTEVILLE PUBLIC WORKS COMMISSION & STATE SPECIFICATIONS & REQUIREMENTS.
 4. CONTRACTOR SHALL MAINTAIN A HORIZONTAL CLEARANCE BETWEEN ALL WATER AND SANITARY SEWER MAINS OF AT LEAST 10-FEET. WHEN NECESSARY, AND WITH THE PERMISSION OF THE ENGINEER AND PWC, THE SEPARATION DISTANCE CAN BE REDUCED TO 5-FEET IF THE WATER LINE MAINTAINS A VERTICAL CLEARANCE OF AT LEAST 18-INCHES ABOVE THE SEWER LINE. IF A SEWER LINE MUST BE ROUTED ABOVE A WATER LINE, THEN BOTH MUST BE MADE OF DIP WITH JOINTS EQUIVALENT TO WATER MAIN STANDARDS—WITH A SECTION OF WATER MAIN CENTERED UNDERNEATH THE SEWER MAIN.
 5. WATER MAINS CROSSING OVER, OR UNDER, STORM SEWERS MUST MAINTAIN A VERTICAL SEPARATION OF AT LEAST 12-INCHES. IN ADDITION, IF A WATER MAIN MUST CROSS UNDER A STORM SEWER, IT SHALL BE MADE OF DIP FOR A MINIMUM OF 10 FEET ON BOTH SIDES OF THE CROSSING.
 6. CONTRACTOR SHALL INSTALL MECHANICALLY RESTRAINED JOINTS PER FAYETTEVILLE PUBLIC WORKS COMMISSION & STATE REQUIREMENTS.
 7. CONTRACTOR SHALL NOTIFY FAYETTEVILLE PUBLIC WORKS COMMISSION AND ENGINEER OF RECORD FORTY-EIGHT (48) HOURS IN ADVANCE PRIOR TO INSTALL WATER MAINS / SERVICES.
 8. CONTRACTOR SHALL NOT OBSTRUCT MAINTENANCE OR ACCESS TO UTILITIES LOCATED WITHIN EASEMENTS.

ADDITIONAL NOTES

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03/14/2018
FOR BIDDING AND REVIEW

CEED
THE TRAINING STATION
CULINARY INCUBATOR
415 WEST RUSSELL STREET, FAYETTEVILLE, NC 28301

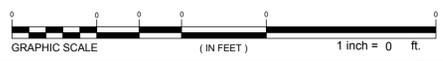
REVISION DATE:

ID	DATE	DESCRIPTION

ISSUE DATE: 03/14/2018

PROJECT #: 01606.000
DRAWN BY: GAR
CHECKED BY: FDC

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1
C-104
UTILITY PLAN
X" = XX'

UTILITY PLAN

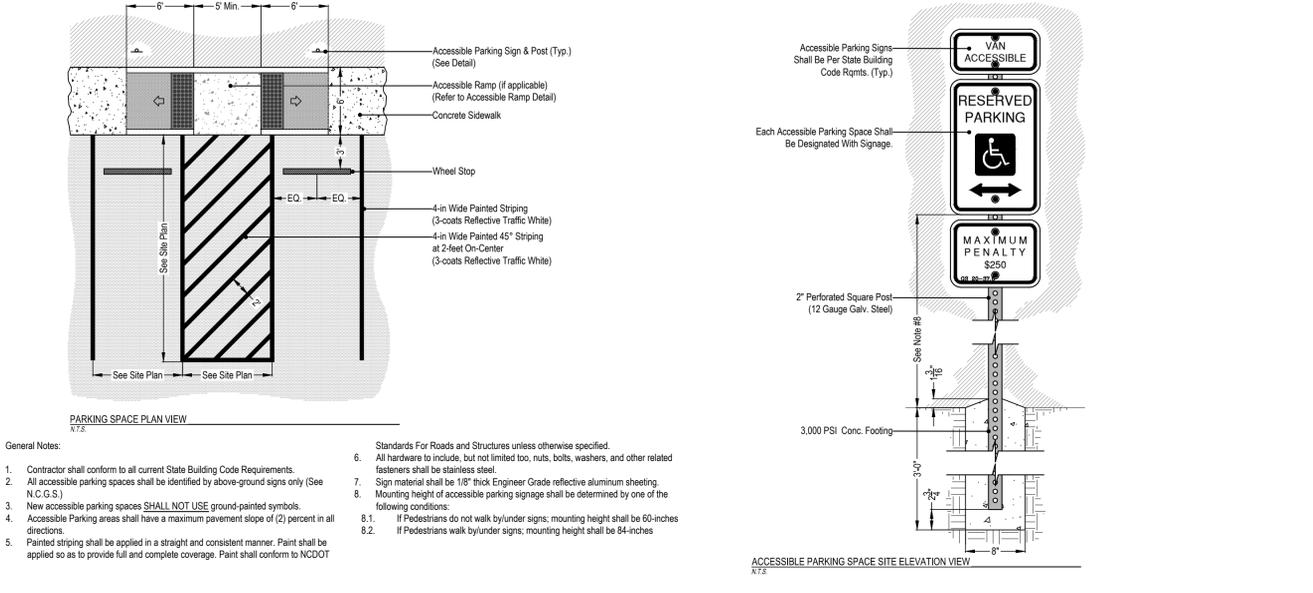
C-401



NOT FOR CONSTRUCTION

03/14/2018

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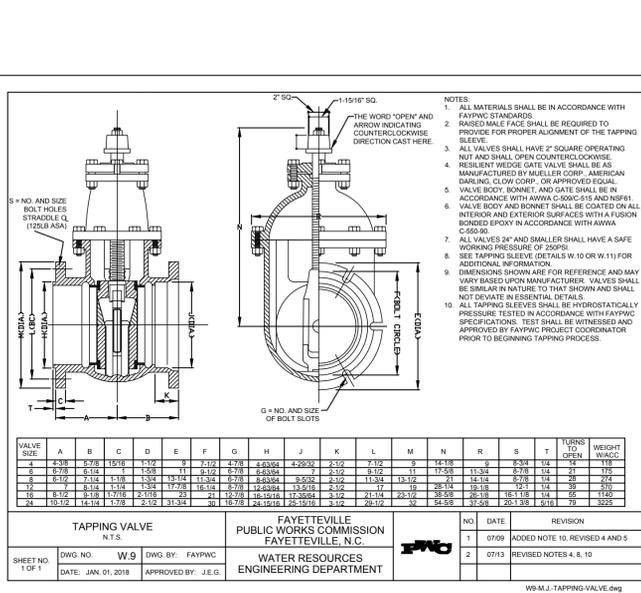


1 PARKING SPACE STRIP / ACCESSIBILITY RAMP & PARKING SIGNAGE NON WING TYPE

C-503 NO SCALE

General Notes:

- Contractor shall conform to all current State Building Code Requirements.
- All accessible parking spaces shall be identified by above-ground signs only (See N.C.G.S.)
- New accessible parking spaces SHALL NOT USE ground-painted symbols.
- Accessible Parking areas shall have a maximum pavement slope of (2) percent in all directions.
- Painted striping shall be applied in a straight and consistent manner. Paint shall be applied so as to provide full and complete coverage. Paint shall conform to NCDOT Standards For Roads and Structures unless otherwise specified.
- All hardware to include, but not limited to, nuts, bolts, washers, and other related fasteners shall be stainless steel.
- Sign material shall be 1/8\"/>

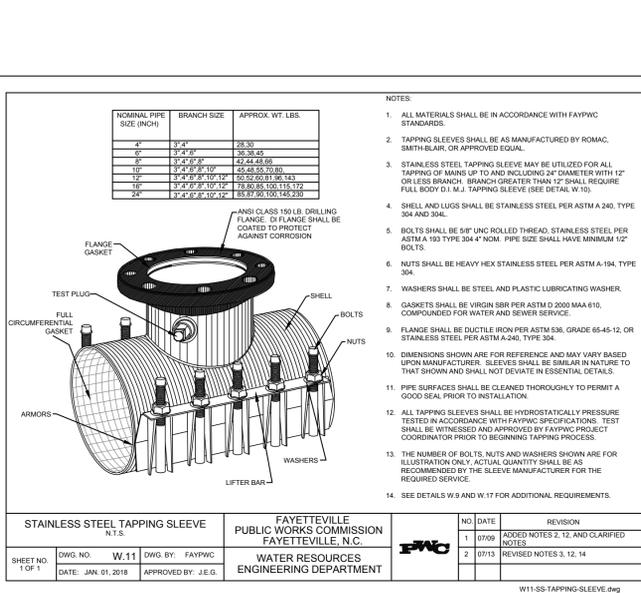


2 TAPPING VALVE

C-503 NO SCALE

Notes:

- ALL MATERIALS SHALL BE IN ACCORDANCE WITH FAYPVC STANDARDS.
- RAISED MALE FACE SHALL BE REQUIRED TO PROVIDE FOR PROPER ALIGNMENT OF THE TAPPING SLEEVE.
- ALL VALVES SHALL HAVE 2\"/>

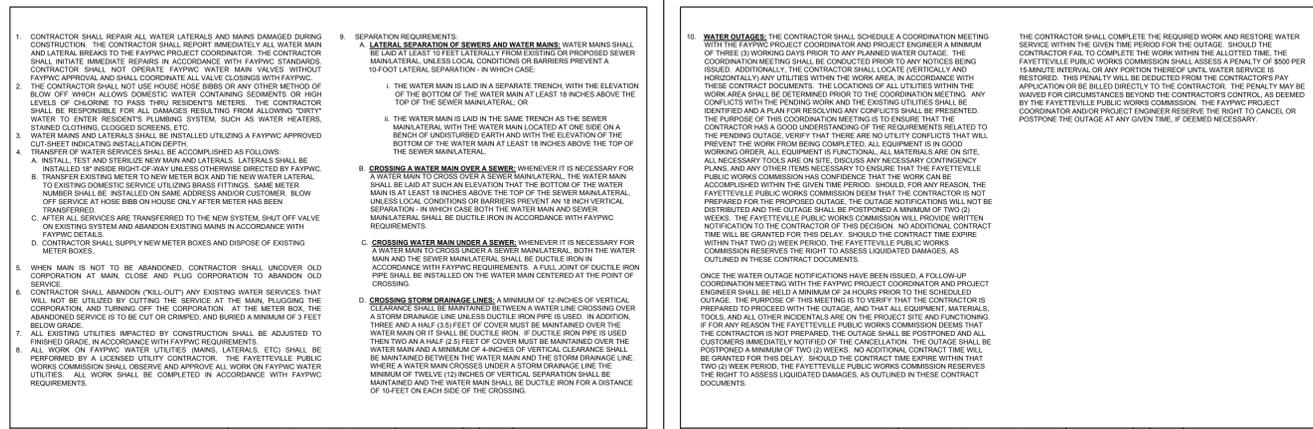


3 STAINLESS STEEL TAPPING SLEEVE

C-503 NO SCALE

Notes:

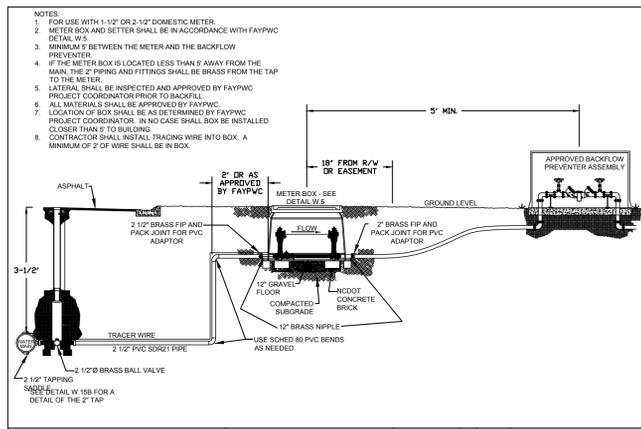
- ALL MATERIALS SHALL BE IN ACCORDANCE WITH FAYPVC STANDARDS.
- TAPPING SLEEVES SHALL BE AS MANUFACTURED BY ROMAC, SMITH-BLAR, OR APPROVED EQUAL.
- STAINLESS STEEL TAPPING SLEEVE MAY BE UTILIZED FOR ALL TAPPING OF MAINS UP TO AND INCLUDING 24\"/>



WATER UTILITY NOTES		FAYETTEVILLE PUBLIC WORKS COMMISSION FAYETTEVILLE, N.C.		NO.	DATE	REVISION
1	07/11	ADD NOTE 6	6	1	07/11	ADD NOTE 6
2	07/11/18	ADD NOTE 6	6	2	07/11/18	ADD NOTE 6
3	01/01/18	ADD NOTE 6, 8	6, 8	3	01/01/18	ADD NOTE 6, 8

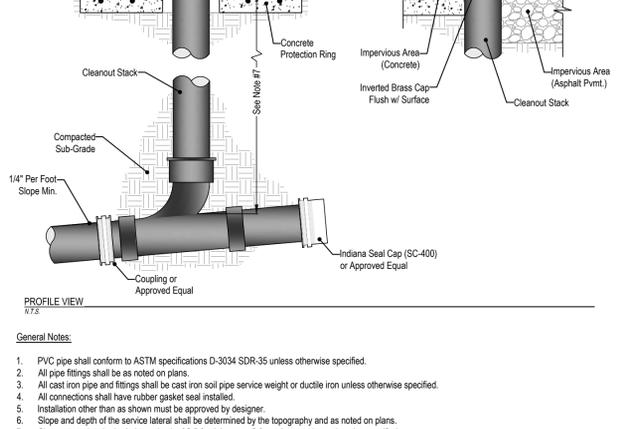
4 WATER UTILITY NOTES

C-503 NO SCALE



2 1/2\"/>						
1	07/01/17	REVISED NOTES	1	1	07/01/17	REVISED NOTES

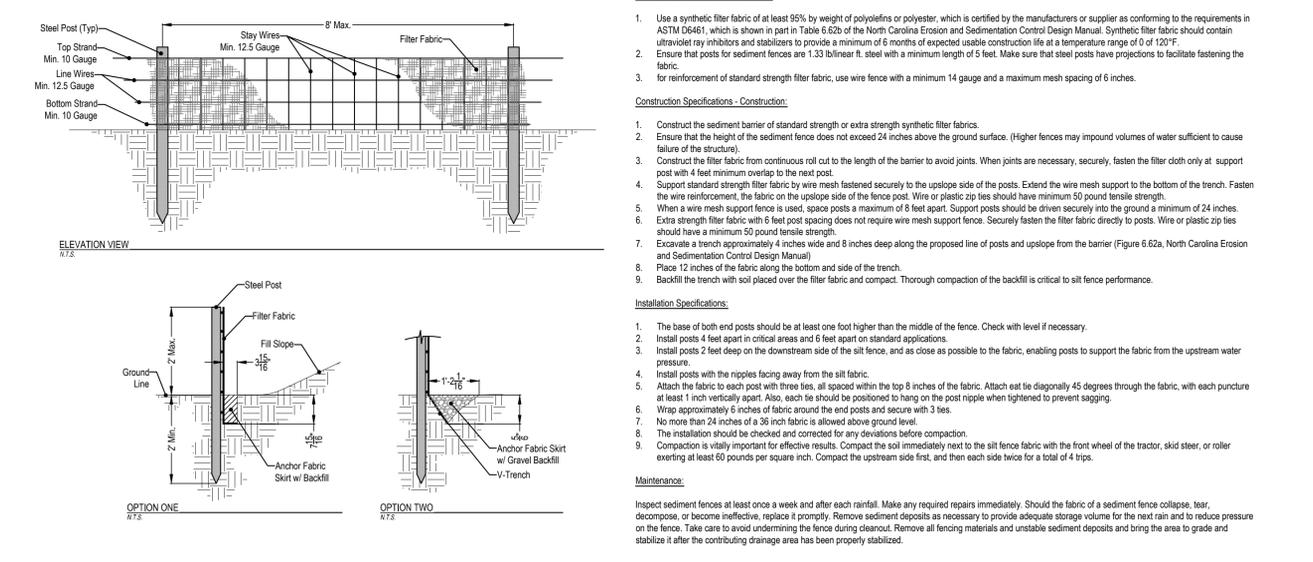
7 2 1/2\"/>



SEWER SERVICE LATERAL NOTES (4-INCH AND 6-INCH)		FAYETTEVILLE PUBLIC WORKS COMMISSION FAYETTEVILLE, N.C.		NO.	DATE	REVISION
1	01/13	REVISED NOTES	1	1	01/13	REVISED NOTES
2	01/14	ADDED TAP/PIPE NOTES	2	2	01/14	ADDED TAP/PIPE NOTES
3	01/15	REVISED NOTES: RE: TAP/PIPE	3	3	01/15	REVISED NOTES: RE: TAP/PIPE

8 TYPICAL CLEANOUT SANITARY SEWER

C-503 NO SCALE

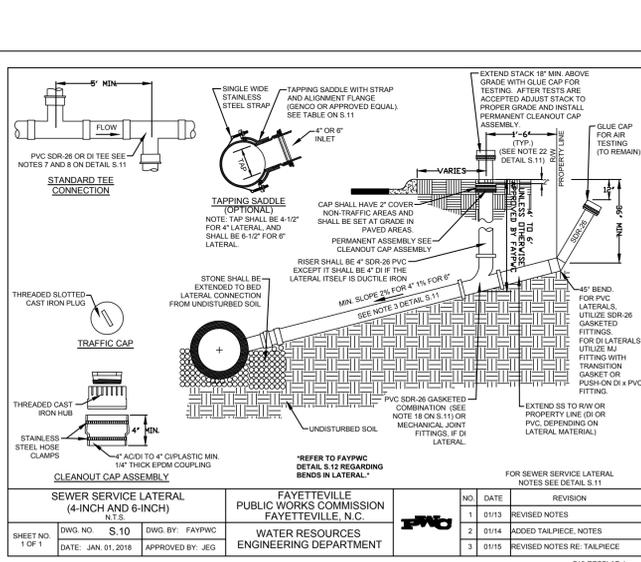


9 SEDIMENT FENCE

C-503 NO SCALE

Construction Specifications - Materials:

- Use a synthetic filter fabric of at least 95% by weight of polyolefins or polyester, which is certified by the manufacturer or supplier as conforming to the requirements in ASTM D6461, which is shown in part in Table 6.62b of the North Carolina Erosion and Sedimentation Control Design Manual. Synthetic filter fabric should contain ultraviolet ray inhibitors and stabilizers to provide a minimum of 6 months of expected useful construction life at a temperature range of 0 to 120°F.
- Ensure that posts for sediment fences are 1.33 lb/inch² steel with a minimum length of 4 feet. Make sure that steel posts have projections to facilitate fastening the fabric.
- For reinforcement of standard strength filter fabric, use wire fence with a minimum 14 gauge and a maximum mesh spacing of 6 inches.

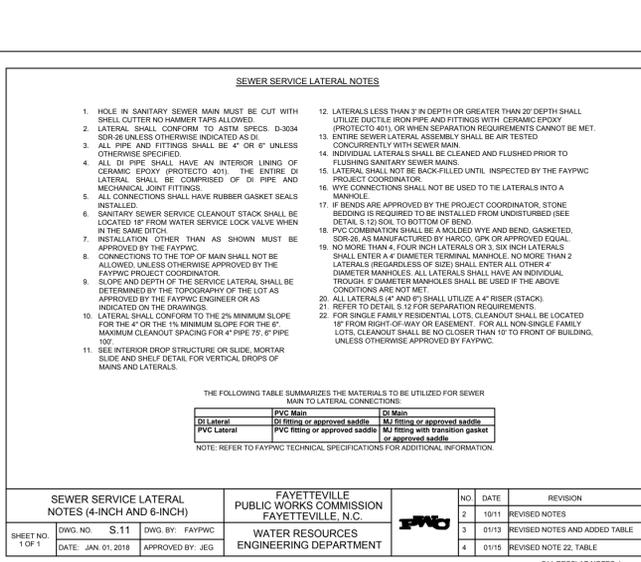


10 SEWER SERVICE LATERAL (4-INCH AND 6-INCH)

C-503 NO SCALE

Notes:

- SEE NOTE 2 FOR TAPPING VALVE DETAIL.
- SEE NOTE 3 FOR TAPPING SLEEVE DETAIL.
- SEE NOTE 4 FOR TAPPING SLEEVE DETAIL.
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- SEE NOTE 100 FOR TAPPING SLEEVE DETAIL.



10 SEWER SERVICE LATERAL NOTES (4-INCH AND 6-INCH)

C-503 NO SCALE

Notes:

- HOLE IN SANITARY SEWER MAIN MUST BE CUT WITH SHELL CUTTER OR HAMMER TAPS ALLOWED.
- LATERAL SHALL CONFORM TO ASTM SPECS. D-3034 SDR-35 UNLESS OTHERWISE INDICATED AS B.
- ALL PIPE AND FITTINGS SHALL BE 4\"/>

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DETAILS

C-503

