

107 EAST DAVIS STREET
SMITHFIELD, NC 27577
(336) 308-9613

Wilson Engineering Group
Civil / Environmental

| REV. | NO. | DESCRIPTION | DATE | BY | APPD. |
|------|-----|-------------------------------------|---------|-----|-------|
| 1 | | ADDED BLUE LINES TO SHEET 15-PB-LPC | 6/24/15 | JWW | |
| 1 | | ADDED OUTLINE OF PROPOSED BUILDING | 6/24/15 | JWW | |

LEWIS PROFESSIONAL CENTER
SITE PLAN
ROCKINGHAM COUNTY, NC
FOR: PAUL BRIGGS, AIA
LEXINGTON, NC

PROJECT NUMBER
15-PB-LPC

DESIGNED BY
JWW

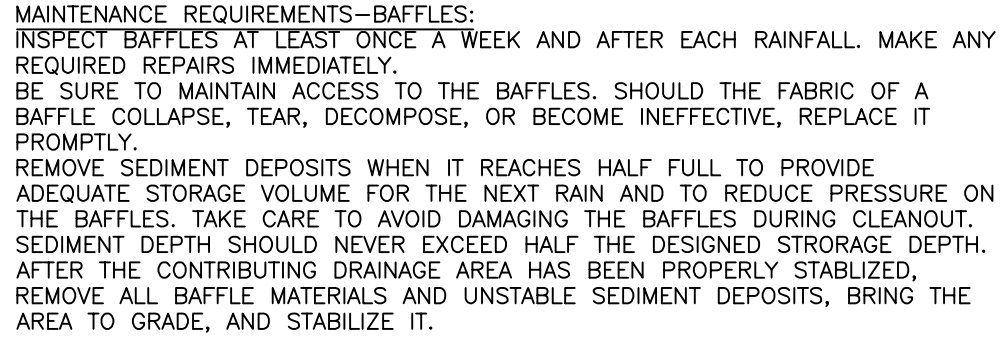
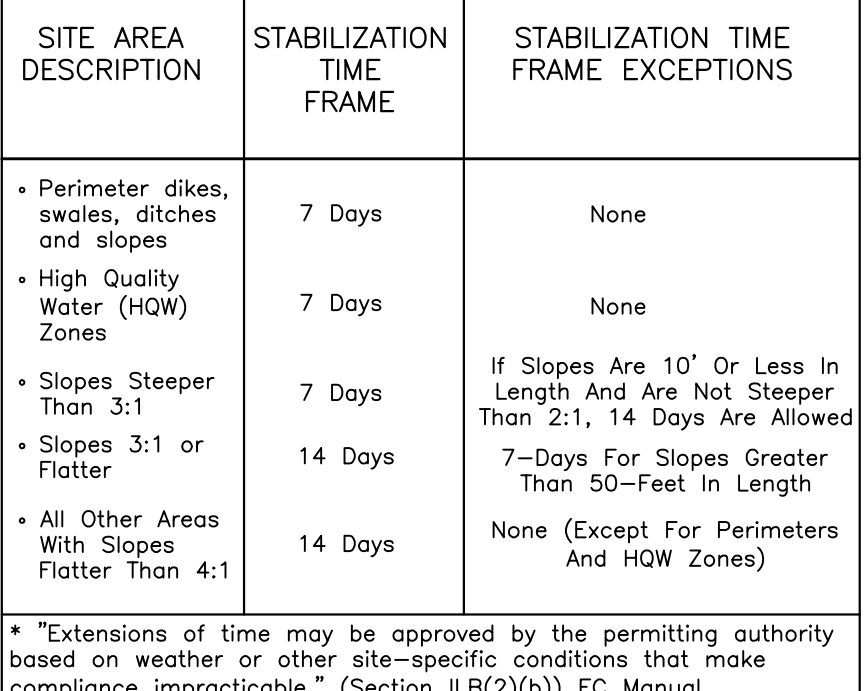
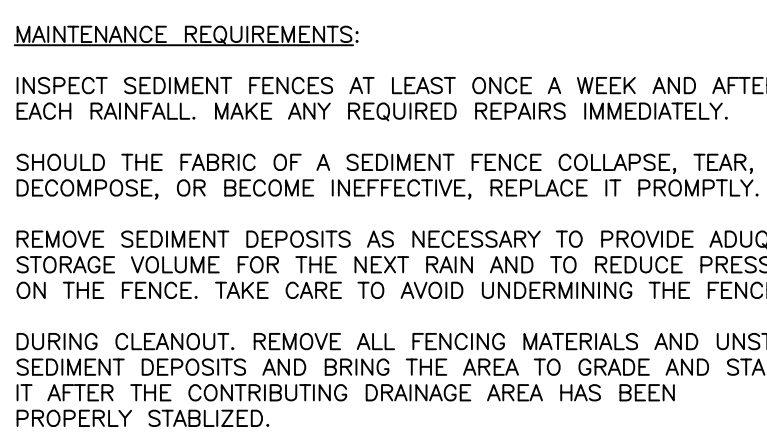
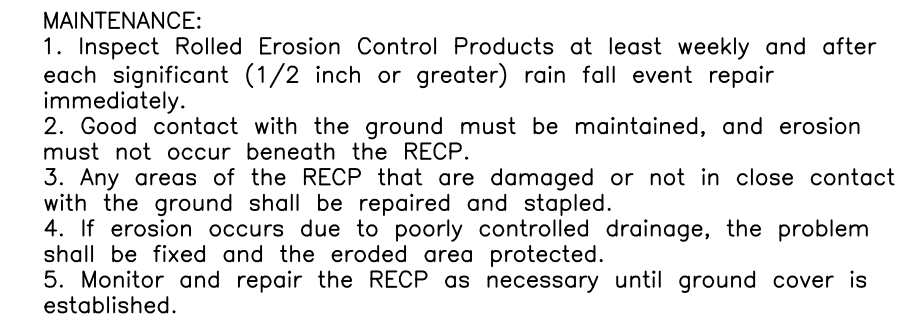
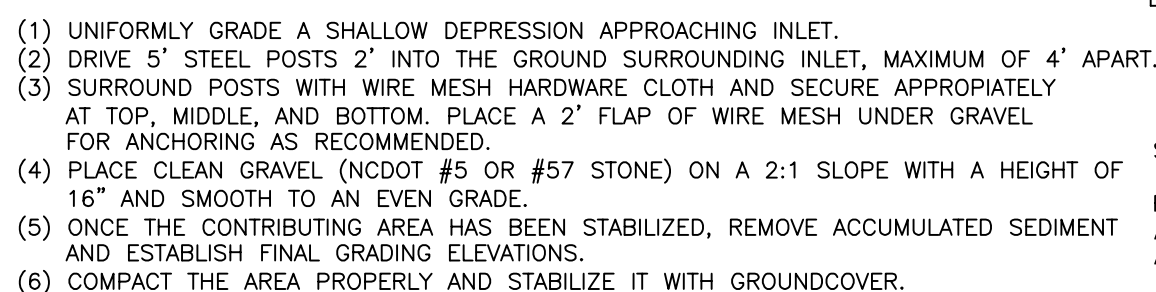
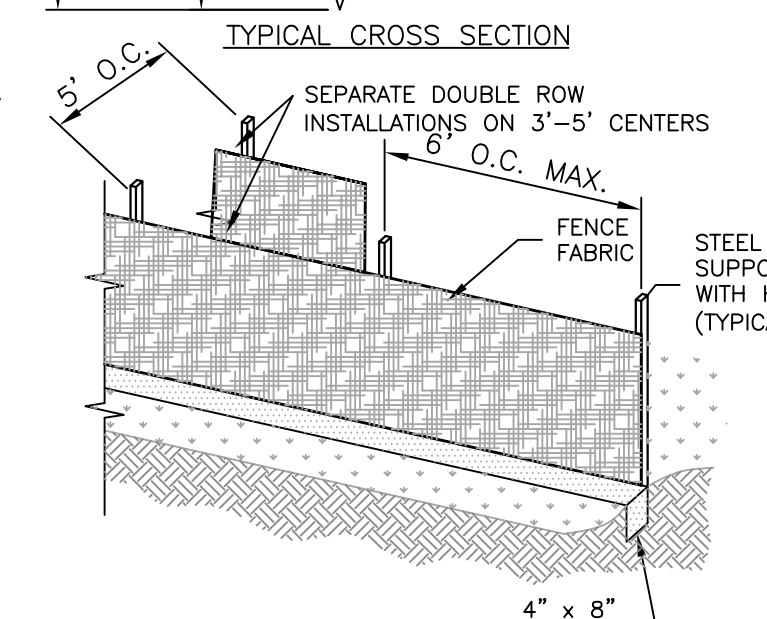
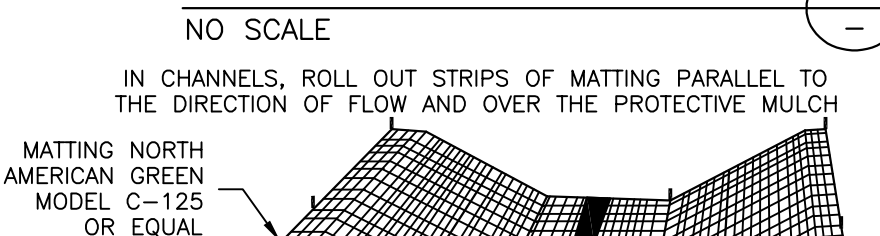
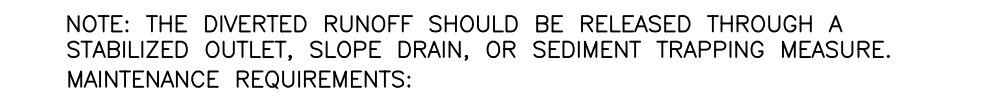
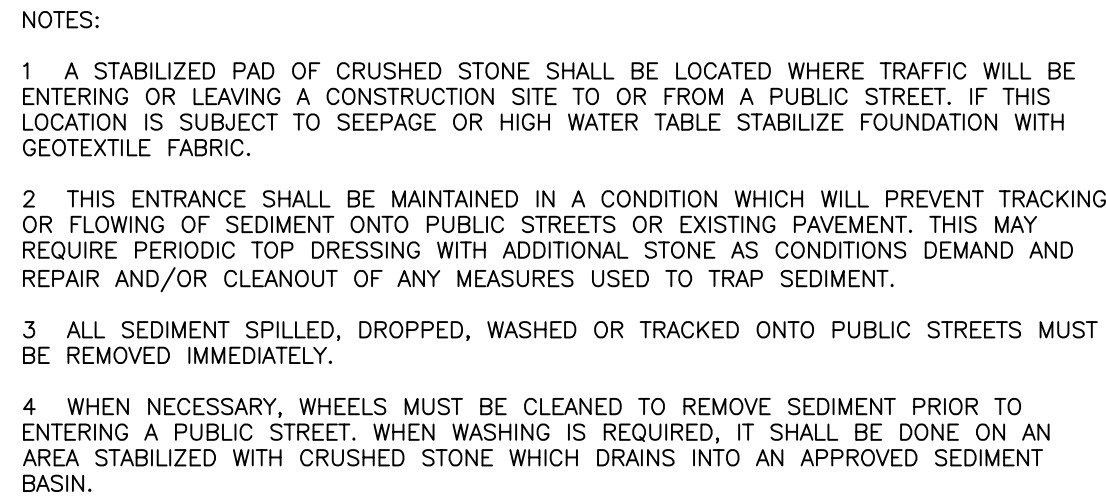
DRAWN BY
JWW

CHECKED BY
JWW

SCALE
AS SHOWN

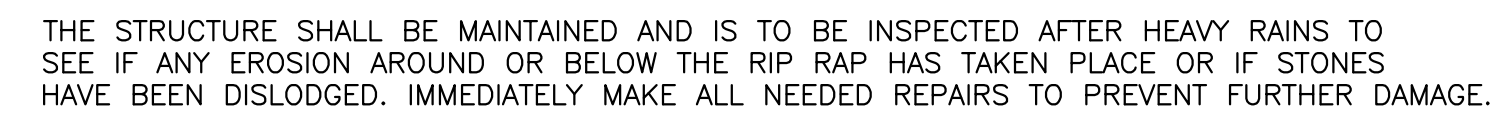
DATE
4-30-15

1 OF 3



| APRON NO. | Channel (C) or Apron (A) | DIMENSIONS | | | | | | STONE WEIGHT RANGES (lbs) | |
|-----------|--------------------------|------------|----------|--------|--------|---------|----------|---------------------------|-----------|
| | | do (in) | 3do (ft) | w (ft) | t (in) | La (ft) | d50 (in) | MIN. — MAX. | 75% RANGE |
| RRA-1 | A | 15 | 3.75 | 3.75 | 6.75 | 5 | 3 | 3-20 | 6 |
| RRA-2 | A | 12 | 3.75 | 3.75 | 6.75 | 10 | 3 | 3-20 | 6 |
| RRA-3 | A | 12 | 3.75 | 3.75 | 6.75 | 10 | 3 | 3-20 | 6 |

NOTE: d50 = MEDIAN STONE DIAMETER



| BASIN NO. | DRAINAGE AREA (AC.) | DISTURBED AREA (AC.) | Q10 (CFS) | REQ'D TRAP VOL. (CU. FT.) | REQ'D SURFACE AREA (SQ. FT.) | SIDE SLOPE FT./FT | WEIR LENGTH (FT.) | DESIGN SURFACE ELEV. | DESIGN SURFACE AREA (SF) | DESIGN BASE ELEV. | DESIGN BASE AREA (SF) | DESIGN TOP OF BERM ELEV. | DESIGN VOLUME (CF) | SKIMMER SIZE (IN.) | DESIGN ORIFICE DIA. (IN.) |
|-----------|---------------------|----------------------|-----------|---------------------------|------------------------------|-------------------|-------------------|----------------------|--------------------------|-------------------|-----------------------|--------------------------|--------------------|--------------------|---------------------------|
| SB-1 | 1.26 | 1.26 | 4.21 | 2.268 | 1.473 | 2:1 | N/A | 701.50 | 1,512 | 699.5 | 920 | 702.5± | 2,432 | 1.5 | 1.0 |



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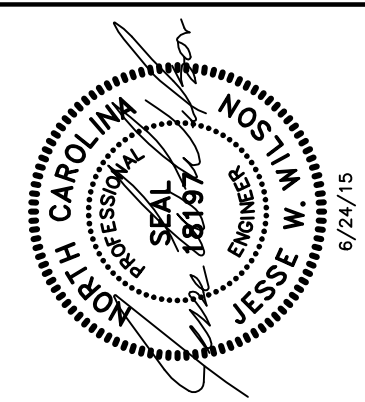
Wilson
Engineering Group
Civil / Environmental

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**LEWIS PROFESSIONAL CENTER
EROSION CONTROL DETAILS
ROCKINGHAM COUNTY, NC**

**FOR
AUL BRIGGS, AIA
LEXINGTON, NC**

| |
|-----------------------------|
| PROJECT NUMBER 15-PB-LPC |
| DESIGNED BY JWW |
| DRAWN BY JWW |
| CHECKED BY JWW |
| SCALE AS SHOWN |
| DATE 4-30-15 |
| 2 OF 3 |



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LEWIS PROFESSIONAL CENTER
MISCELLANEOUS DETAILS
ROCKINGHAM COUNTY, NC

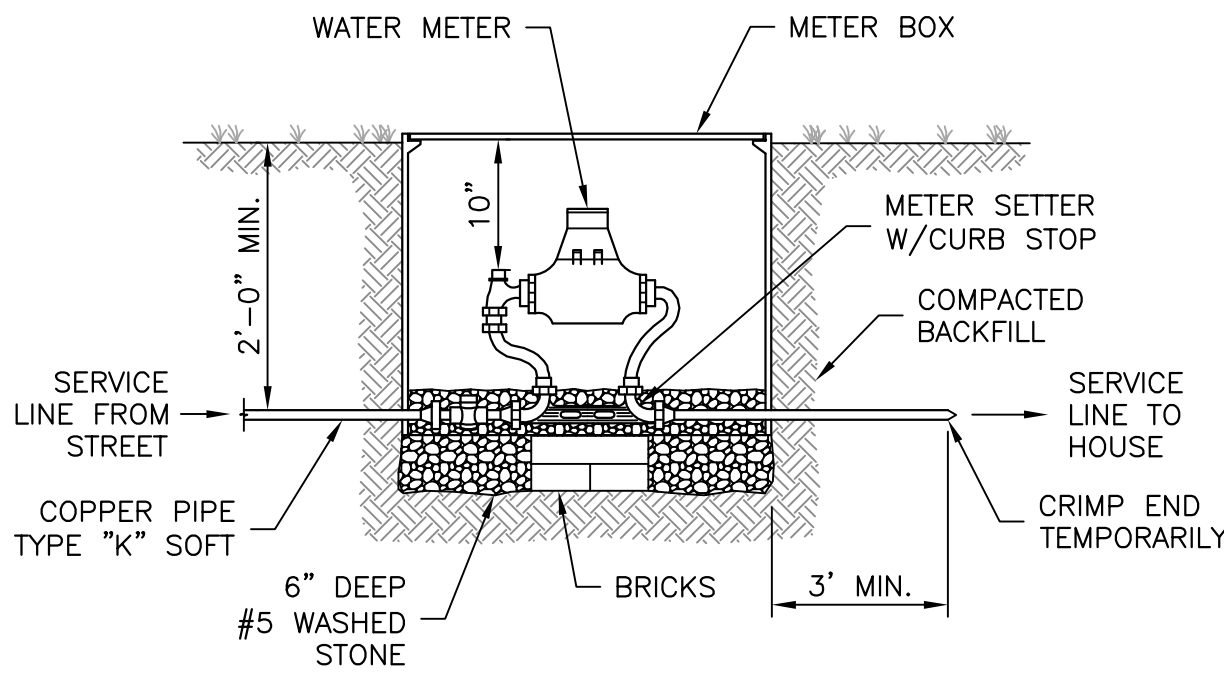
FOR:
PAUL BRIGGS, AIA
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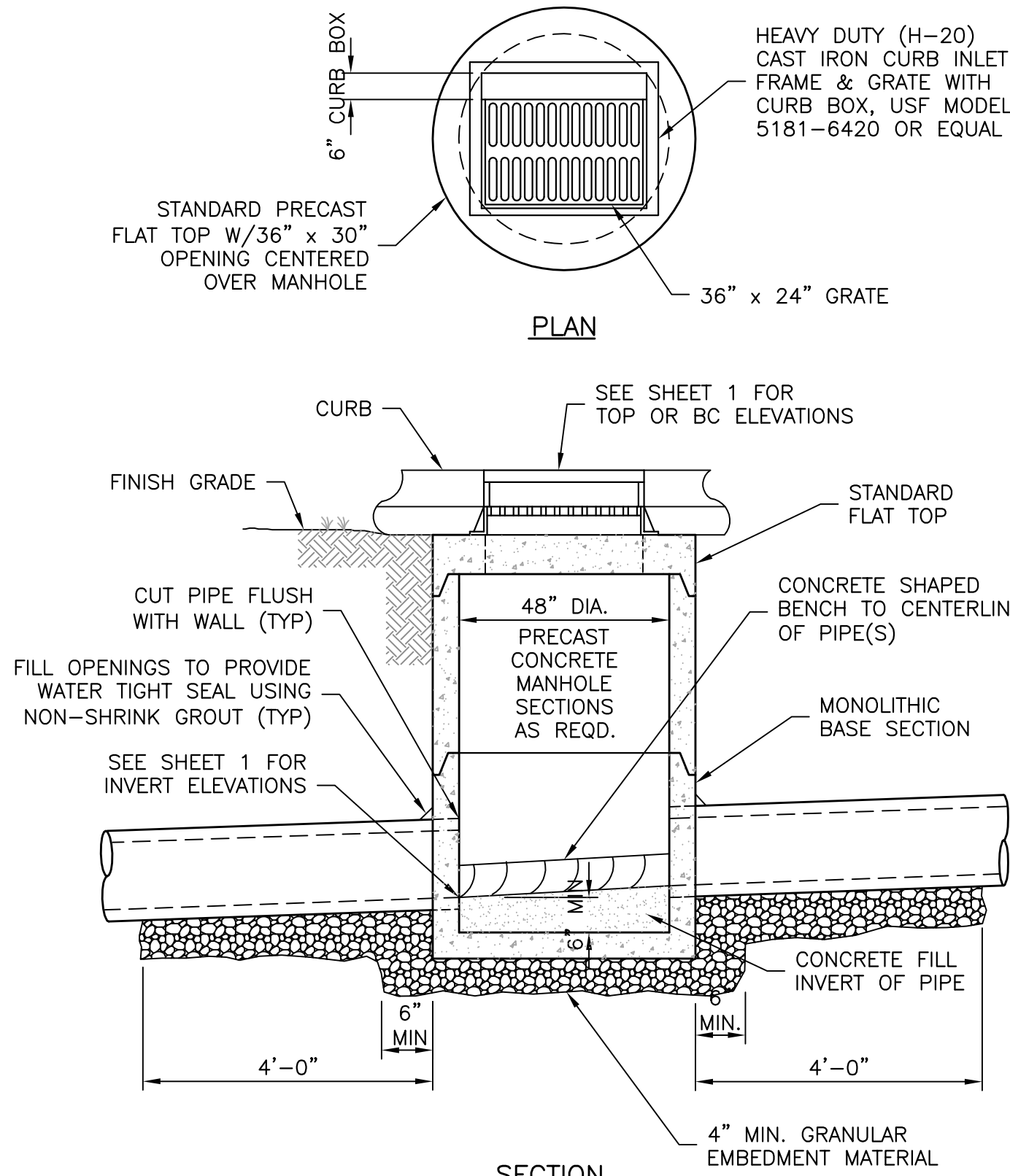
BRASS AND COPPER METER SETTER:
MUELLER B-2404F-2, FULL PORT, 7" RISE
FORD VHH72-7W

CURB STOP:
MUELLER B-20200
FORD BM11-333

CAST IRON METER BOX:
DEWEY BROTHERS NO. MBX-2
VULCAN NO. V8404-2

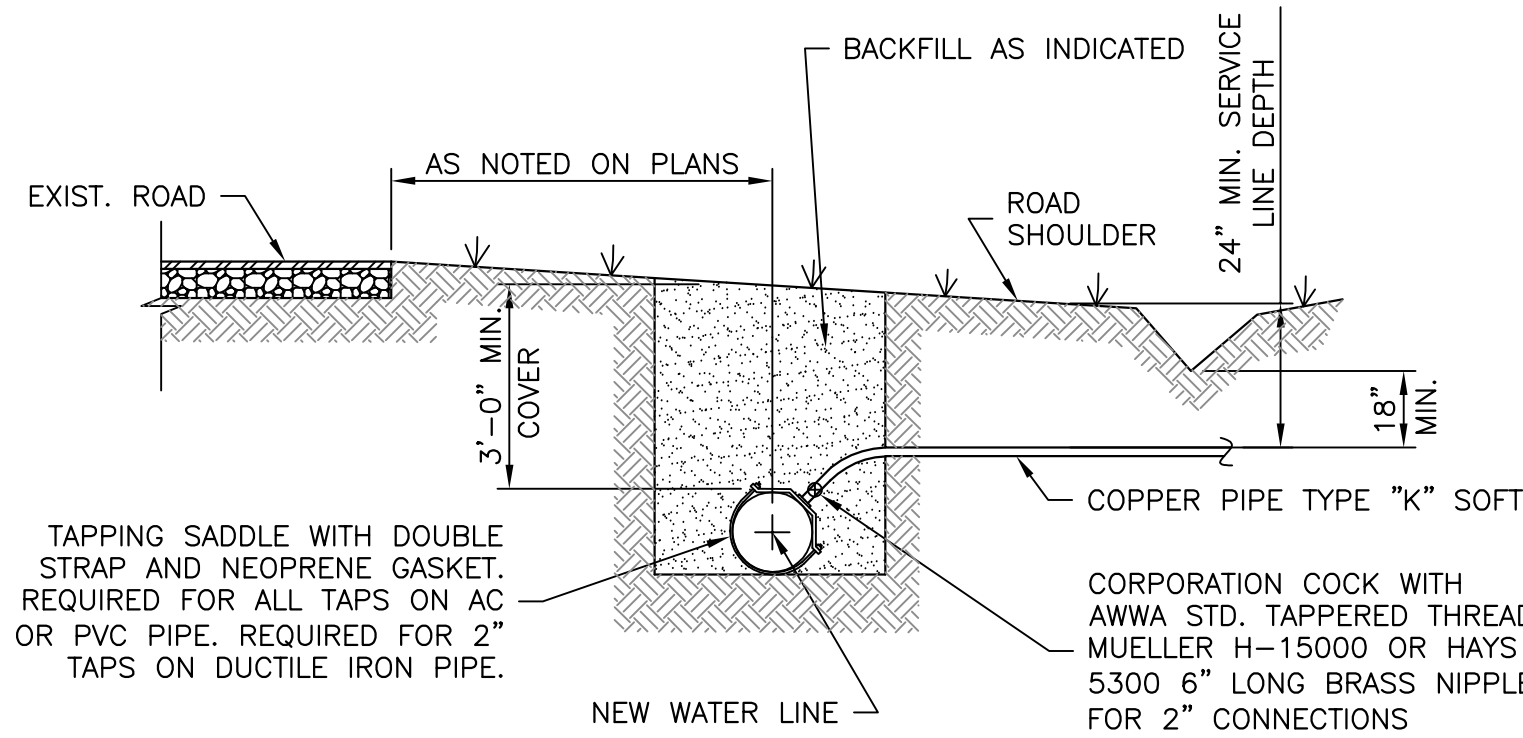


TYPICAL WATER METER
(TYPICAL 5/8" x 3/4", 3/4" OR 1")
NO SCALE

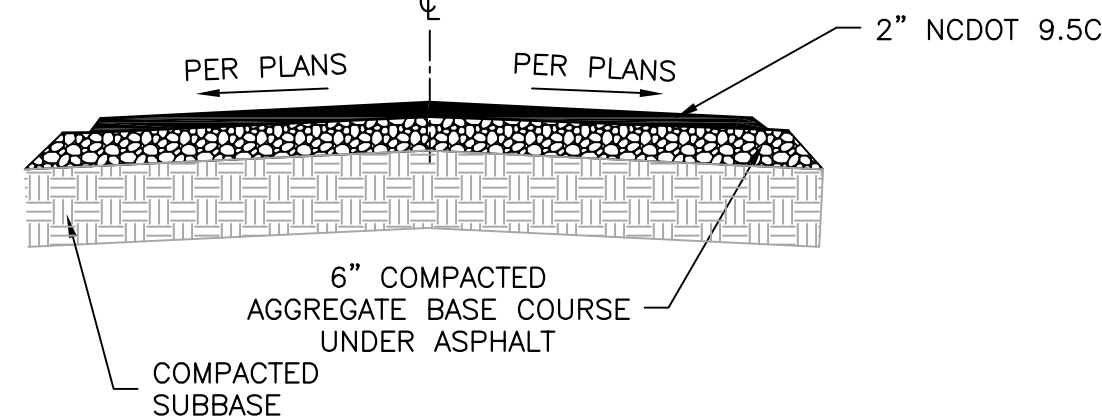


NOTE: INVERT-IN TO BE 0.2' HIGHER THAN INVERT-OUT.

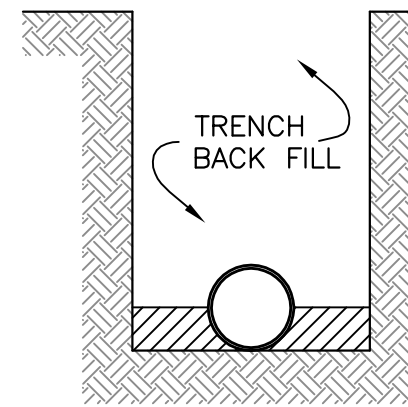
CURB INLET CATCH BASIN
NO SCALE



TYPICAL WATER SERVICE CONNECTION
USING TAPPING SADDLE
NO SCALE



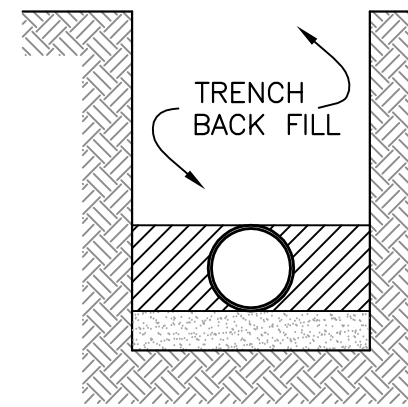
TYPICAL LIGHT DUTY
PAVEMENT SECTION
NO SCALE



LAYING CONDITION:
TYPE 2

DESCRIPTION:
FLAT BOTTOM TRENCH; BACK FILL JOB EXCAVATED
MATERIAL TO CENTERLINE OF PIPE AT 95%
STANDARD PROCTOR, AASHTO T-99.

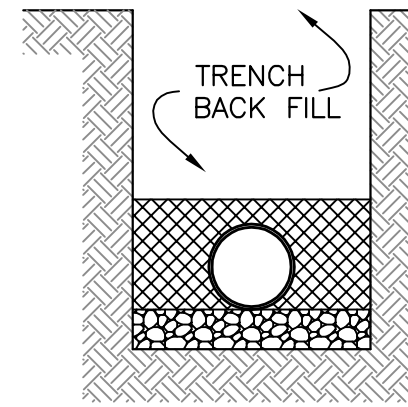
PROJECT USE:
ALL DUCTILE IRON WATER LINE OR FORCE MAIN.
ALL RCP STORM WATER PIPE



LAYING CONDITION:
TYPE 3

DESCRIPTION:
PIPE BEDDED IN 4 INCHES MINIMUM JOB
EXCAVATED MATERIAL; JOB EXCAVATED MATERIAL
COMPACTED TO TOP OF PIPE AT 95% STANDARD
PROCTOR, AASHTO T-99.

PROJECT USE:
ALL DUCTILE IRON SEWER LINE. ALL 4" SEWER
SERVICE LATERALS.



LAYING CONDITION:
TYPE 4

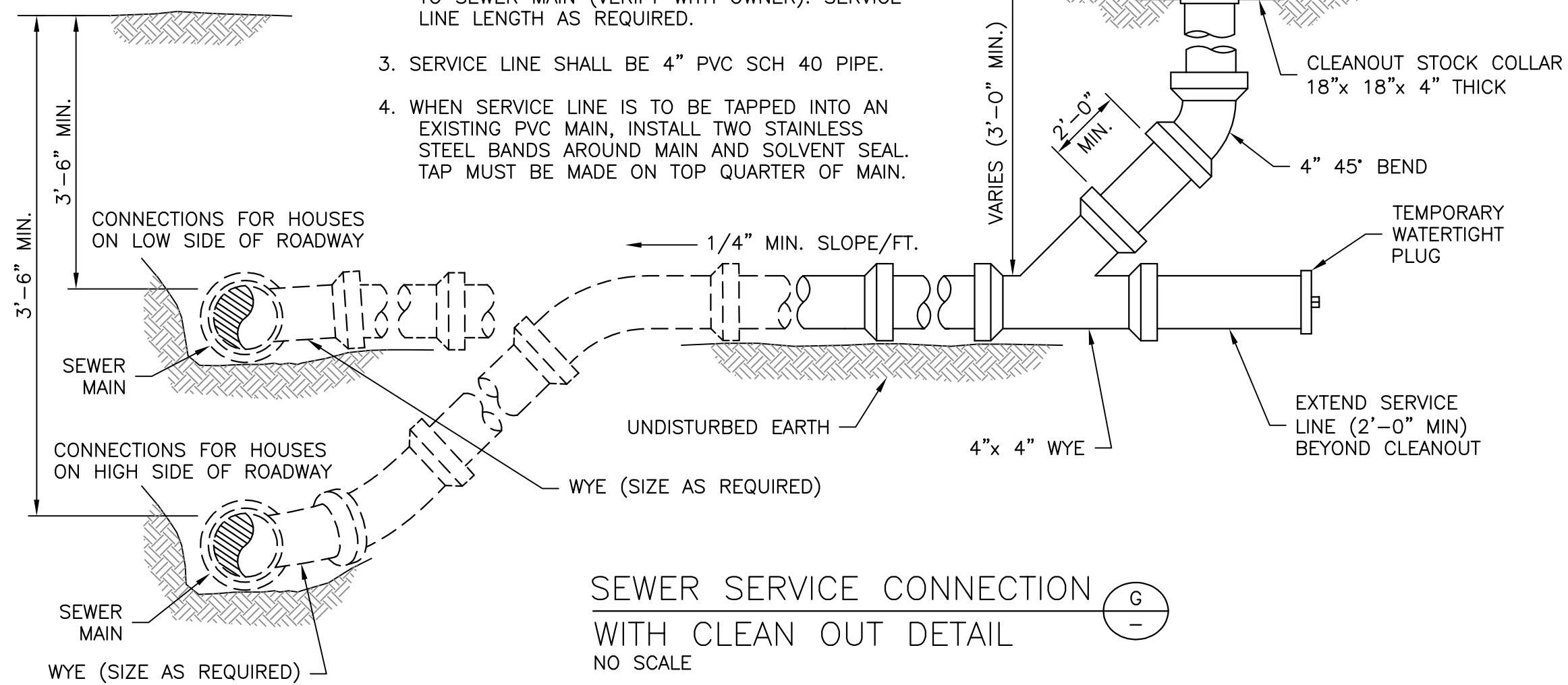
DESCRIPTION:
PIPE BEDDED IN 4 INCHES MINIMUM SAND, GRANULAR
MATERIAL, OR GRAVEL TO DEPTH OF 1/8 OF PIPE
DIA(4-INCHES MIN); SELECT JOB EXCAVATED MATERIAL
COMPACTED TO 4 INCHES ABOVE TOP OF PIPE AT 95%
STANDARD PROCTOR, AASHTO T-99.

PROJECT USE:
ALL PVC WATER LINE AND PVC FORCE MAIN.

PIPE EMBEDMENT DETAILS
NO SCALE

NOTES:

1. WHEN ENTERING A MANHOLE, SERVICE LINE SHALL NOT ENTER THROUGH CONE SECTION OR JOINT. PROVIDE WATERTIGHT SEAL AROUND SERVICE PIPE PENETRATION.
2. SERVICE LINE DEPTH SHALL BE SET, DEPENDANT ON GROUND ELEVATION AT CENTER OF LOT (-2.0') AND AT A SLOPE OF 1/4" PER FT. MIN. TO SEWER MAIN (VERIFY WITH OWNER). SERVICE LINE LENGTH AS REQUIRED.
3. SERVICE LINE SHALL BE 4" PVC SCH 40 PIPE.
4. WHEN SERVICE LINE IS TO BE TAPPED INTO AN EXISTING PVC MAIN, INSTALL TWO STAINLESS STEEL BANDS AROUND MAIN AND SOLVENT SEAL. TAP MUST BE MADE ON TOP QUARTER OF MAIN.



SEWER SERVICE CONNECTION
WITH CLEAN OUT DETAIL
NO SCALE

NOTE:
CONTRACTOR SHALL VERIFY FIRE HYDRANT LOCATION WITH
ENGINEERS REPRESENTATIVE PRIOR TO INSTALLATION.

FIRE HYDRANT INSTALLATION
NO SCALE