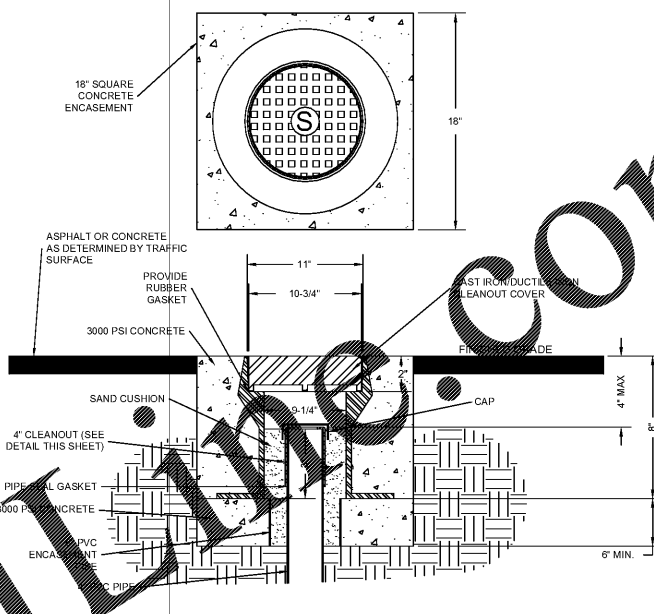
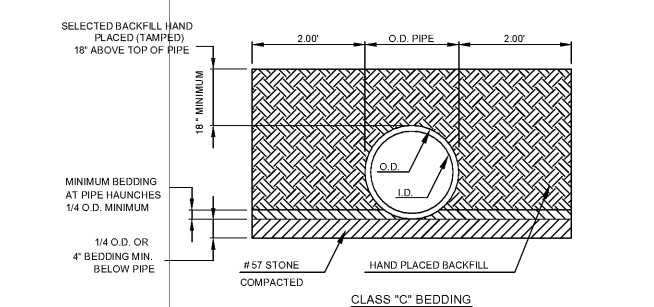
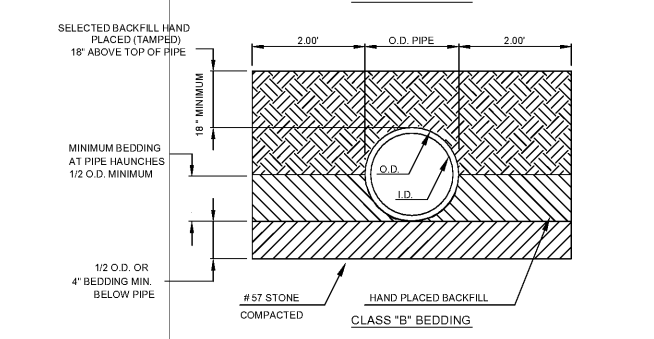
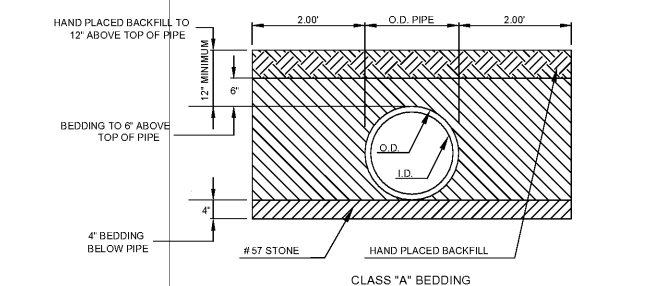


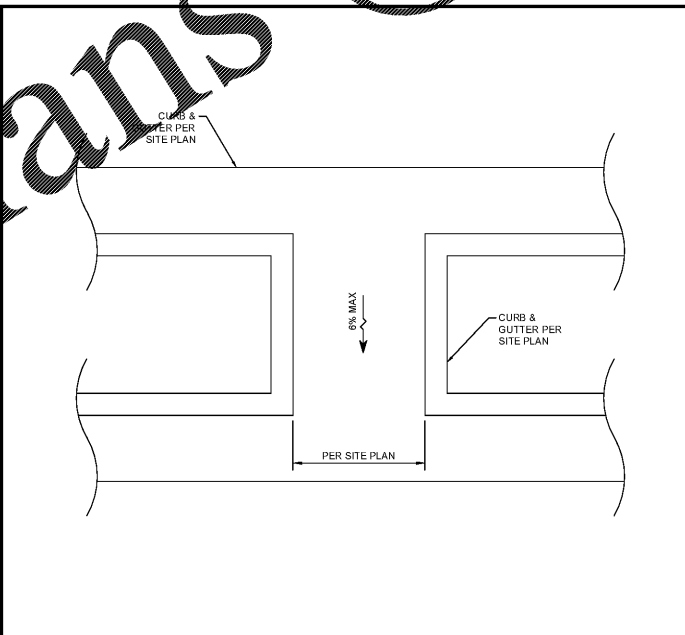
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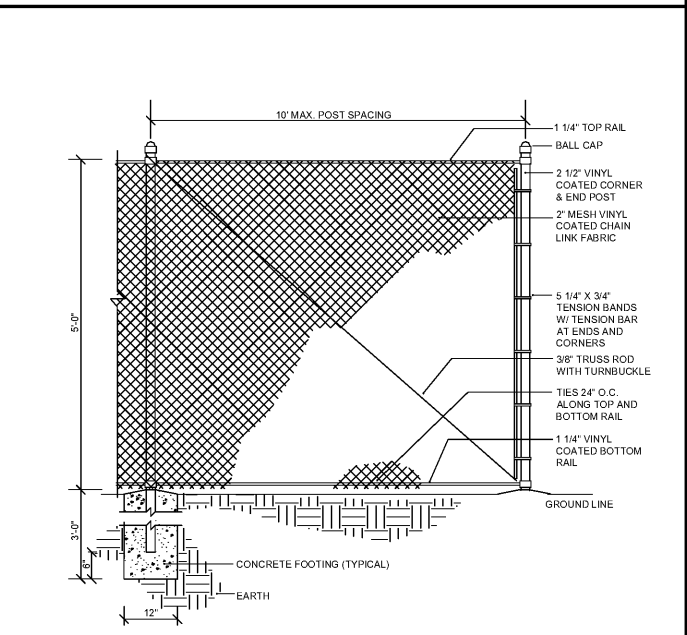
SANITARY CLEANOUT DETAIL
NOT TO SCALE



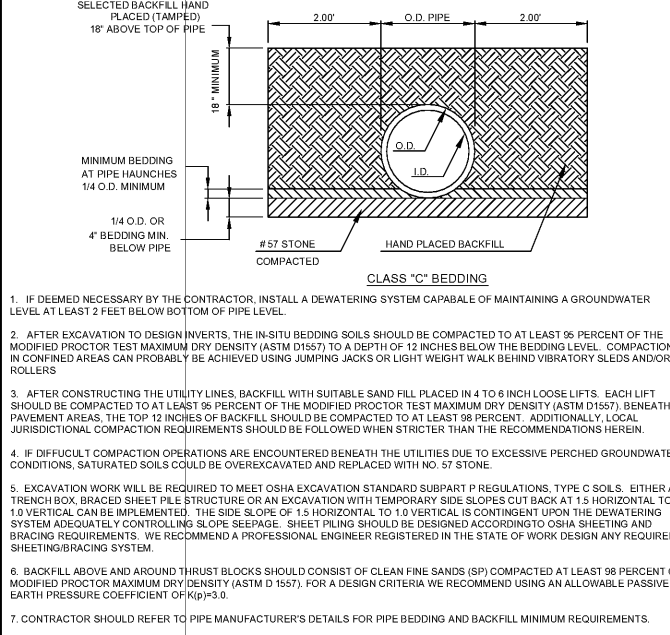
- IF DEEMED NECESSARY BY THE CONTRACTOR, INSTALL A DEWATERING SYSTEM CAPABLE OF MAINTAINING A GROUNDWATER LEVEL AT LEAST 2 FEET BELOW BOTTOM OF PIPE LEVEL.
- AFTER EXCAVATION TO DESIGN INVERTS, THE IN-SITU BEDDING SOILS SHOULD BE COMPACTED TO AT LEAST 95 PERCENT OF THE MODIFIED PROCTOR TEST MAXIMUM DRY DENSITY (ASTM D1557) TO A DEPTH OF 12 INCHES BELOW THE BEDDING LEVEL. COMPACTION IN CONFINED AREAS CAN PROBABLY BE ACHIEVED USING JUMPING JACKS OR LIGHT WEIGHT WALK BEHIND VIBRATORY SLEDS AND/OR ROLLERS.
- AFTER CONSTRUCTING THE UTILITY LINES, BACKFILL WITH SUITABLE SAND FILL PLACED IN 4 TO 6 INCH LOOSE LIFTS. EACH LIFT SHOULD BE COMPACTED TO AT LEAST 96 PERCENT OF THE MODIFIED PROCTOR TEST MAXIMUM DRY DENSITY (ASTM D1557) BENEATH PAVEMENT AREAS. THE TOP 12 INCHES OF BACKFILL SHOULD BE COMPACTED TO AT LEAST 98 PERCENT. ADDITIONALLY, LOCAL JURISDICTIONAL REQUIREMENTS SHOULD BE FOLLOWED WHEN STRICTER THAN THE RECOMMENDATIONS HEREIN.
- IF DIFFICULT COMPACTION OPERATIONS ARE ENCOUNTERED BENEATH THE UTILITIES DUE TO EXCESSIVE PERCHED GROUNDWATER CONDITIONS, SATURATED SOILS SHOULD BE OVEREXCAVATED AND REPLACED WITH NO. 57 STONE.
- EXCAVATION WORK WILL BE REQUIRED TO MEET OSHA EXCAVATION STANDARD SUBPART P REGULATIONS. TYPE C SOILS - EITHER A TRENCH BOX, BRACED SHEET PILE STRUCTURE OR AN EXCAVATION WITH TEMPORARY SIDE SLOPES CUT BACK AT 1:5 HORIZONTAL TO 1.0 VERTICAL CAN BE IMPLEMENTED. THE SIDE SLOPE OF 1.5 HORIZONTAL TO 1.0 VERTICAL IS CONTINGENT UPON THE DEWATERING SYSTEM ADEQUATELY CONTROLLING SLOPE SEEPAGE. SHEET PILING SHOULD BE DESIGNED ACCORDING TO OSHA SHEETING AND BRACING REQUIREMENTS. WE RECOMMEND A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF WORK DESIGN ANY REQUIRED SHEETING/BRACING SYSTEM.
- BACKFILL ABOVE AND AROUND THRUST BLOCKS SHOULD CONSIST OF CLEAN FINE SANDS (SP) COMPACTED TO AT LEAST 98 PERCENT OF MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D 1557). FOR A DESIGN CRITERIA WE RECOMMEND USING AN ALLOWABLE PASSIVE EARTH PRESSURE COEFFICIENT OF $K(p)=3.0$.
- CONTRACTOR SHOULD REFER TO PIPE MANUFACTURER'S DETAILS FOR PIPE BEDDING AND BACKFILL MINIMUM REQUIREMENTS.



CONCRETE FLUME DETAIL
NOT TO SCALE



5' HIGH BLACK VINYL COATED CHAINLINK FENCE DETAIL
NOT TO SCALE



PIPE BEDDING DETAIL
NOT TO SCALE

LECRAW
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FAX - 770.441.0298
WWW.LECRAWENGINEERING.COM
PEF0007078

REV #	DATE	BY	CHK	DESCRIPTION

PROJECT
BOJANGLES' - STOCKBRIDGE
HUDSON BRIDGE ROAD & WILLIS DRIVE
LAND LOT 21, DISTRICT 6, PARCEL 032-01012001
HENRY COUNTY, GA

SEAL:

DESIGN TEAM:
DRAWN BY: FDE
DESIGNED BY: FDE
REVIEWED BY: TKS

GEORGIA80
Know what's below.
Call before you dig.

DETAILS ARE NOT DRAWN TO SCALE

JOB # 237002
DATE: JULY 30, 2018
CONSTRUCTION DETAILS - 2
C-7.1