



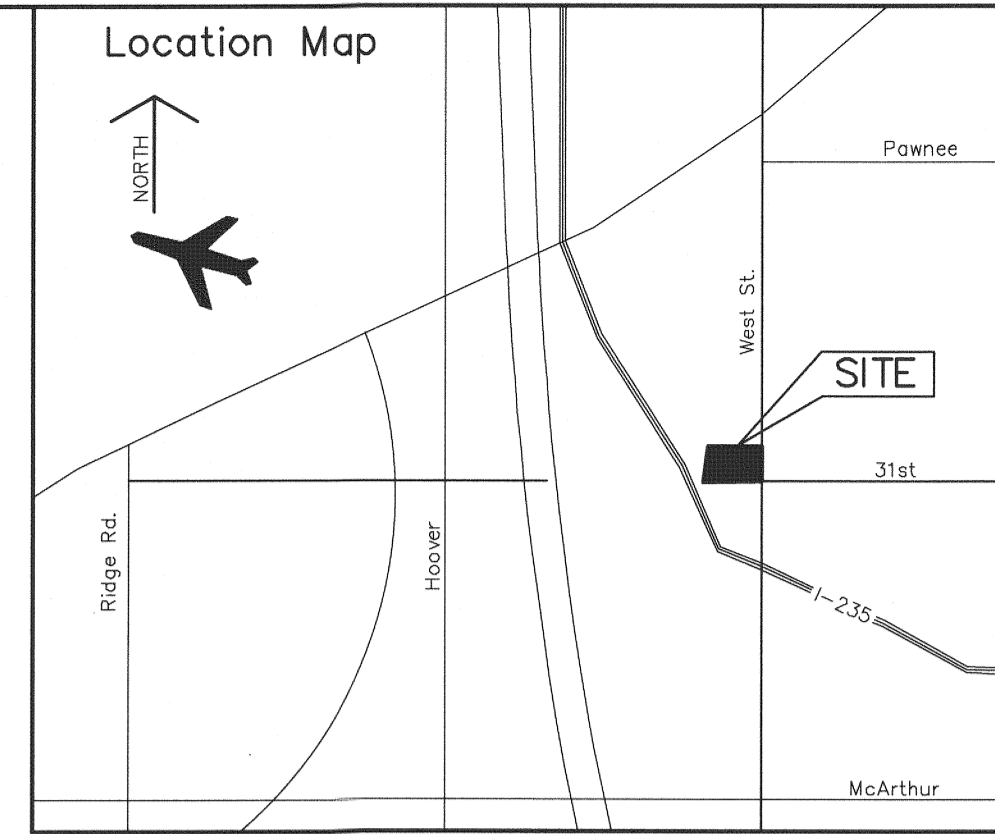
Refreshments

Stormwater Replenishment Project Project # 0127ppd (607861)

3151 South West Street
Wichita, Kansas 67217

AS BUILT PLANS

CONTRACTOR:	McCullough Excavation
INSPECTOR:	Ryan McCullough P.E., McCullough Excavation
PDF BY:	RDM 1-31-2013



12098
Coca-Cola Stormwater
Replenish Project
3151 South West Street
Wichita, KS 67217

UTILITY OPERATING AUTHORITIES

Storm Water Sewer - Scott Lindback
City Hall - 455 N. Main
Wichita, KS. 67202 316-268-1908

Water & Sanitary Sewer - Greg Lalley
Wichita Water & Sewer Department
City Hall - 455 N. Main
Wichita, KS. 67202 316-268-6555

Black Hills Gas Company - Calvin Briggs
1611 South Hoover
Wichita, KS. 67209 316-941-1808

Kansas Gas Service - Jim Coe
1021 East 26th Street North
Wichita, KS. 67219 316-832-3101

Westar Energy - Becky Thompson
201 N. Market
Wichita, KS. 67202 316-261-6734

A.T.&T. - Jim Toben
154 North Broadway, Room 210
Wichita, KS. 67202 316-266-2245

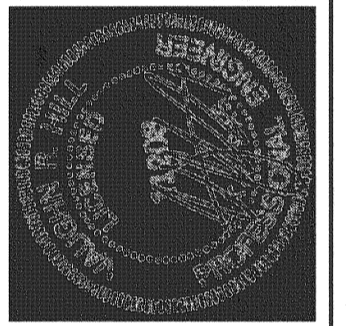
SITE BENCHMARK DESCRIPTION

THE SITE BENCHMARK IS A CHISELED SQUARE ON TOP OF CONCRETE PAVEMENT, LOCATED 40.53 FEET LEFT OF THE SURVEY BASELINE STATION 6+07. ELEVATION IS 1290.67 (NAVD "88").

SHEET INDEX

SHEET	DESCRIPTION
CS	COVER SHEET
C1.0	SITE DEVELOPMENT PLAN
C1.1	16 INCH STORM SEWER PROFILES
C2.0	STANDARD DETAILS
C2.1	RAIN GARDEN & BIOSWALE DETAILS
C3.0	SWPPP
C3.1	SWPPP NOTES & DETAILS
	TOPOGRAPHIC SURVEY

ENGINEER:
Vaughn R. Hill, P.E.
299 Southland Drive - Lexington, KY 40503
859-276-2006 - 859-276-2901 Facsimile



CLIENT:
Coca-Cola Refreshments
14186 Dallas Parkway • Suite 1460 • Dallas, Tx. 75254
Tel: 214-902-2818

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

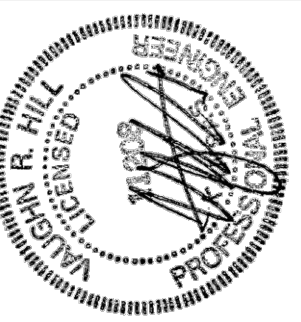
Engineering *[Signature]* 11-16-12
Stormwater *[Signature]* 11-16-12

NOTE TO CONTRACTORS

Inspection and testing for this project are to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said Inspection to be in accordance with the City of Wichita standard construction engineering practices and certified by a Licensed Professional Engineer. No work shall be performed in dedicated easements or public right-of-way by the Contractor without such inspection, nor shall any work be commenced without written authorization by the City Engineer.

DESIGNED BY	TRC
CHECKED BY	RWM/RWC
DATE	September 20, 2012
SHEET TITLE	COVER SHEET
SCALE	

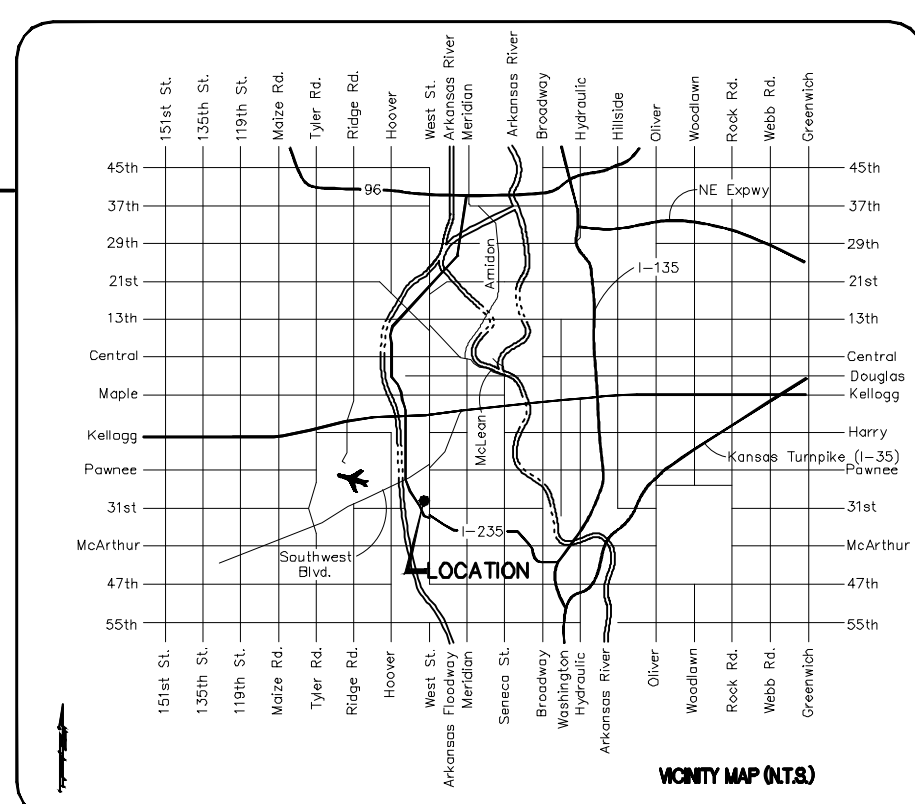
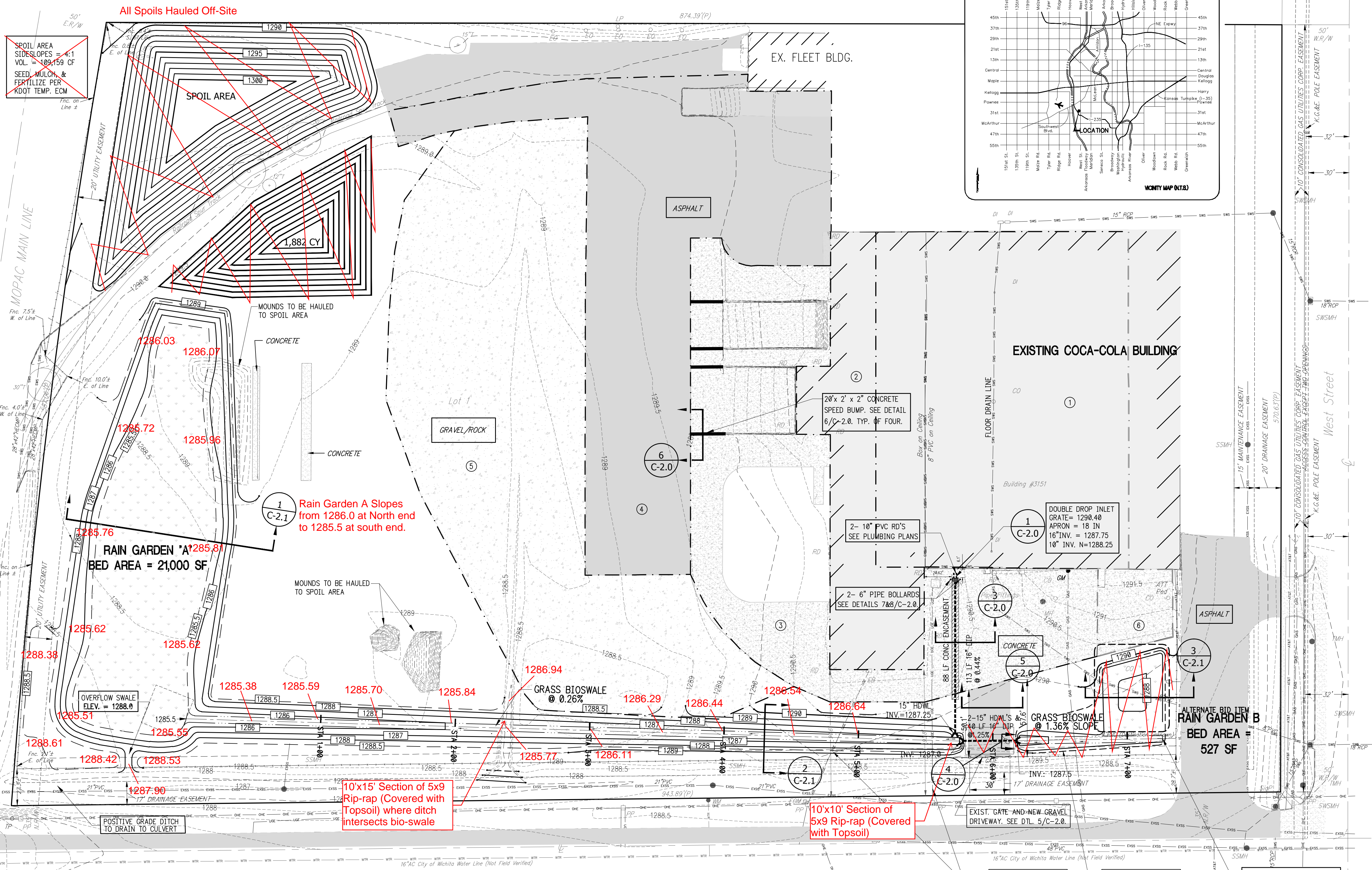
SHEET NUMBER
CS



LEGEND

- GAS — GAS — GAS — GAS — Gas Line
- OHE — OHE — OHE — OHE — Overhead Electric Line
- UEL — UEL — UEL — UEL — Underground Electric Line
- ESS — ESS — ESS — ESS — Sanitary Sewer Line
- SWS — SWS — SWS — SWS — Stormwater Sewer Line
- AT&T — AT&T — AT&T — AT&T — Telephone Line
- WTR — WTR — WTR — WTR — Water Line
- FENCE — FENCE — FENCE — FENCE — Fence Line

- ATT Ped □ ATT Ped = A.T.&T. Telephone Pedestal
- CO ○ CO = Cleanout
- EB □ EB = Electric Box
- EO ○ EO = Electric Outlet
- FH ○ FH = Fire Hydrant
- FOM □ FOM = Fiber Optic Marker
- GM ● GM = Gas Meter
- GU ○ GU = Guard Post(Bollard)
- Guy = Guy Anchor
- LP ○ LP = Light Pole
- PP ○ PP = Power Pole
- RD ○ RD = Roof Drain
- SigP □ SigP = Signal Pole
- Sign □ Sign = Sign
- SSMH ● SSMH = Sanitary Sewer Manhole
- SWSMH ● SWSMH = Stormwater Sewer Manhole
- TMH ● TMH = Traffic Manhole
- TP ○ TP = Telephone Pole
- Well ○ Well = Cased Well
- WM ● WM = Water Meter
- WV ○ WV = Water Valve
- XFMR □ XFMR = Transformer
- XXXXX Proposed Contour
- XXXXX Existing Contour
- Drainage Areas



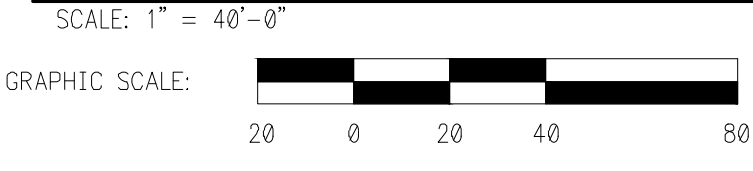
GENERAL NOTES

1. THE INFORMATION SHOWN HEREIN WAS TAKEN FROM TOPOGRAPHIC SURVEY DATED: JULY 20, 2012 AND PERFORMED BY: BAUGHMAN COMPANY 315 ELLIS ST. WICHITA, KS 67211 PH.: 316-262-7211 FAX: 316-262-0149
2. THE LOCATIONS OF ALL UTILITIES SHOWN ON THESE PLANS ARE BASED ON THE AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UTILITIES WITH THE UTILITY OWNERS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
3. ANY DISCREPANCY IN THIS PLAN AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL SETBACKS, EASEMENTS, AND DIMENSIONS SHOWN HEREON BEFORE BEGINNING CONSTRUCTION.
4. ACCESS TO UTILITIES, FIRE HYDRANTS, STREET LIGHTING, ETC., SHALL REMAIN UNDISTURBED, UNLESS COORDINATED WITH RESPECTIVE UTILITY.
5. CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO ANY EXISTING ITEM AND/OR MATERIAL INSIDE OR OUTSIDE CONTRACT LIMITS DUE TO CONSTRUCTION OPERATIONS.
6. THE CONTRACTOR SHALL KEEP THE AREA OUTSIDE THE "CONSTRUCTION LIMITS" BROOM CLEAN AT ALL TIMES.
7. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION OF ANY ITEM SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED ALL PLANS AND ANY OTHER DOCUMENTATION FROM ALL OF THE PERMITTING AND ANY OTHER REGULATORY AUTHORITIES. FAILURE OF THE CONTRACTOR TO FOLLOW THIS PROCEDURE SHALL CAUSE THE CONTRACTOR TO ASSUME FULL RESPONSIBILITY FOR ANY SUBSEQUENT MODIFICATION OF THE WORK MANDATED BY ANY REGULATORY AUTHORITY.
8. THE CONTRACTOR SHALL CONTACT ALL OWNERS OF EASEMENTS, UTILITIES AND R.O.W.'S, PUBLIC OR PRIVATE, PRIOR TO WORKING IN THESE AREAS.
9. CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND THE PUBLIC SHALL BE PROTECTED FROM INJURY, AND ADJOINING PROPERTY PROTECTED FROM DAMAGE.
10. DO NOT SCALE THIS DRAWING AS IT IS A REPRODUCTION AND SUBJECT TO DISTORTION.
11. THE CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE UPON COMPLETION OF THE PROJECT AND AT LEAST ONCE A WEEK DURING CONSTRUCTION.
12. ALL STREET SURFACES, DRIVEWAYS, CULVERTS, CURB AND GUTTERS, ROADSIDE DRAINAGE DITCHES AND OTHER STRUCTURES THAT ARE DISTURBED OR DAMAGED IN ANY MANNER AS A RESULT OF CONSTRUCTION SHALL BE REPLACED OR REPAIRED IN ACCORDANCE WITH THE OWNERS OR CITY STANDARDS.

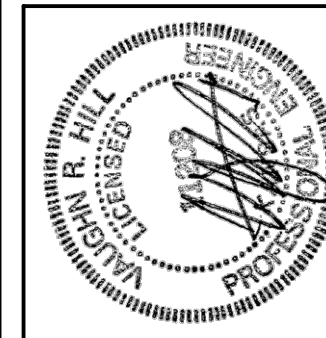
WATER QUALITY VOLUME TABLE

DRAINAGE AREA (X)	DESCRIPTION	AREA, AC.	RAIN GARDEN	("RV") VALUES	WATER QUAL. RAINFALL, IN.	WQ VOLUME CU. FT.
1	ROOF	1.09	A	0.95	1.2	4,511
2	ROOF	0.37	A	0.95	1.2	1,531
3	CONCRETE	1.04	A	0.95	1.2	4,304
4	ASPHALT	1.28	A	0.95	1.2	5,297
5	GRAVEL	1.45	A	0.95	1.2	6,000
6	CONCRETE	0.07	A OR B	0.95	1.2	290
						TOTAL WQ VOLUME CU. FT.
						RG A = 21,643
						RG A = 21,933

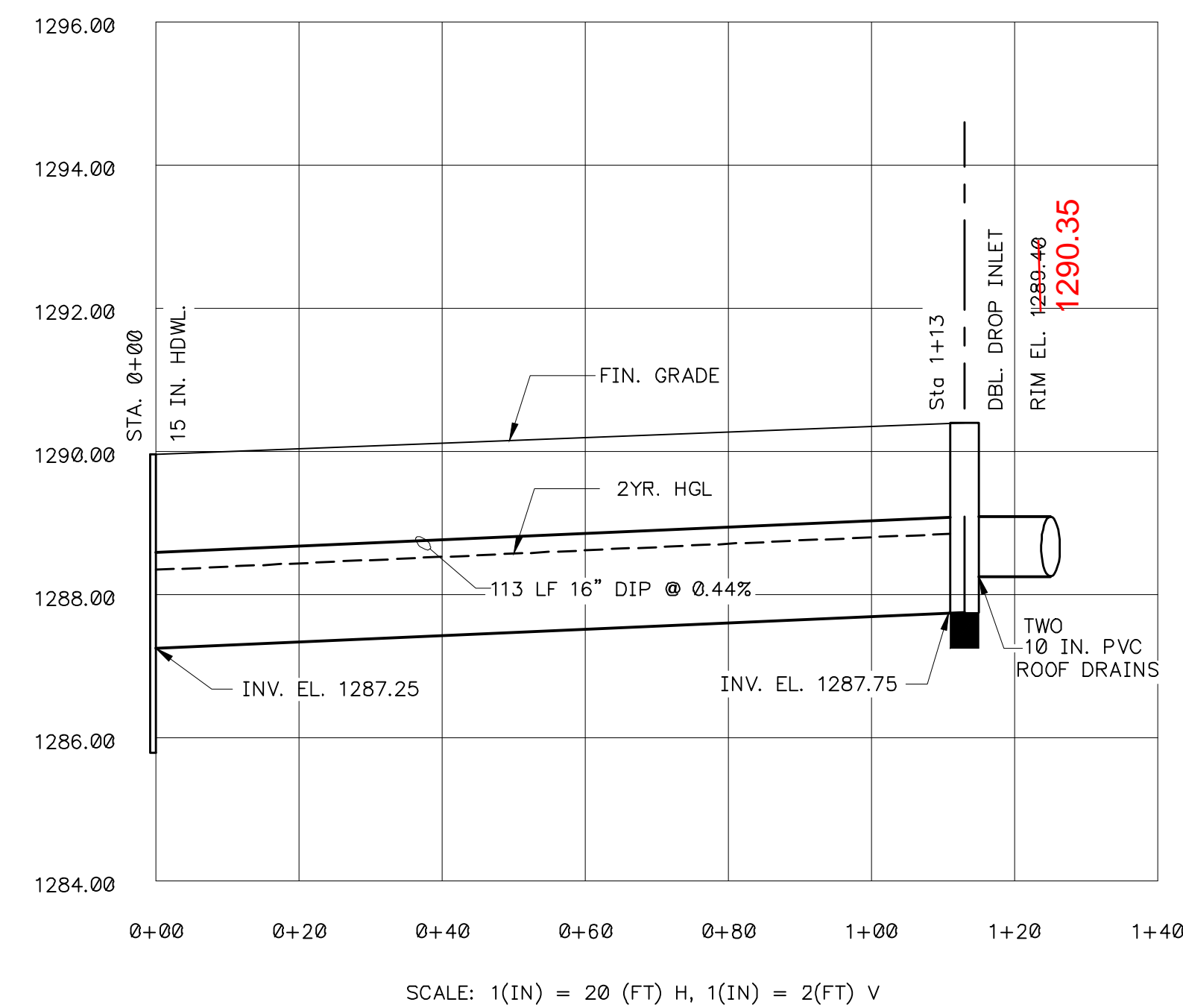
SITE DEVELOPMENT AND GRADING PLAN



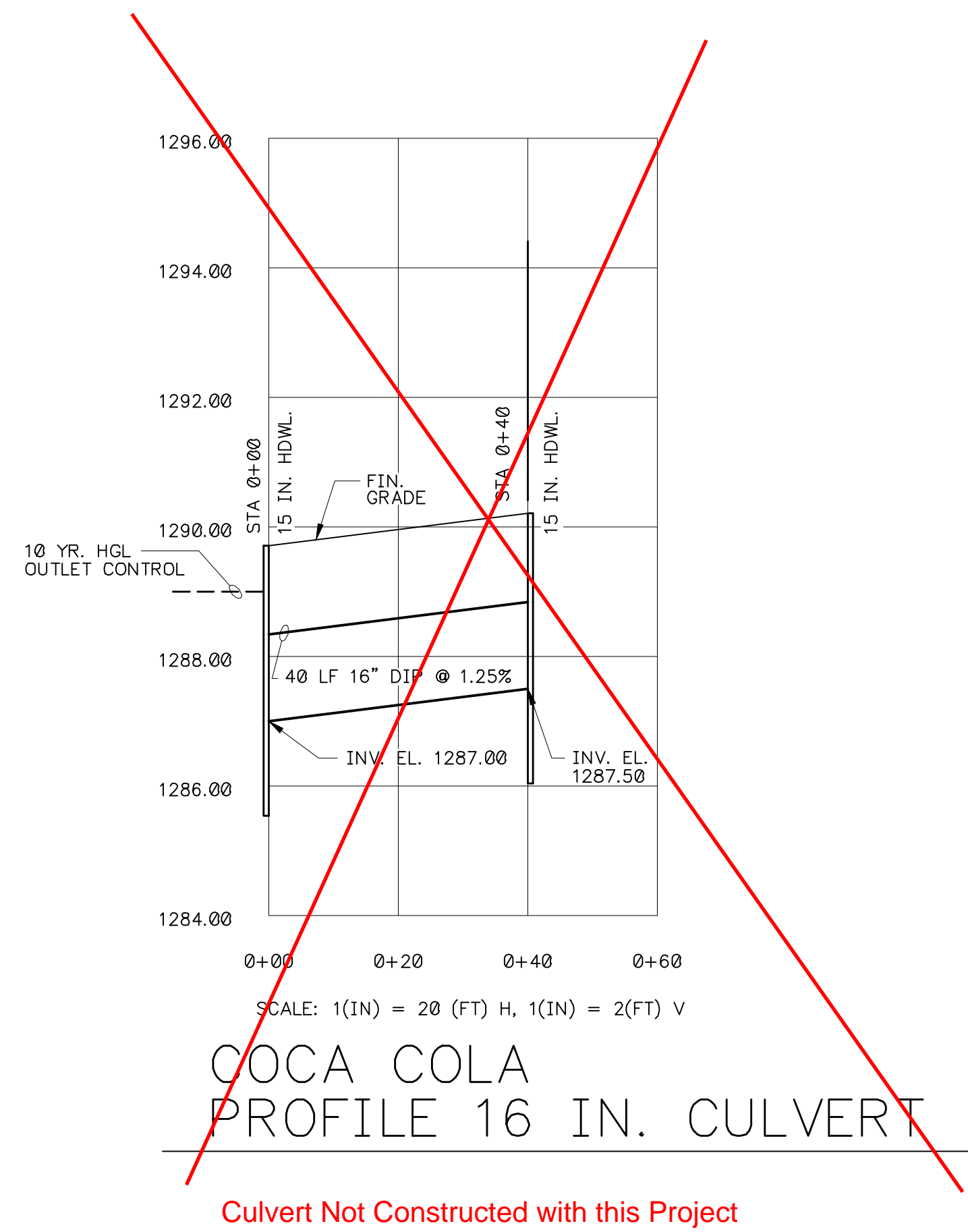
Culvert and Rain Garden B Not Constructed with this Project



REVISIONS	
DRAWN BY	TRC
CHECKED BY	RW/RWC
DATE	September 20, 2012
SHEET TITLE 16 IN. STORM SEWER & CULVERT PROFILES	
SCALE AS SHOWN	



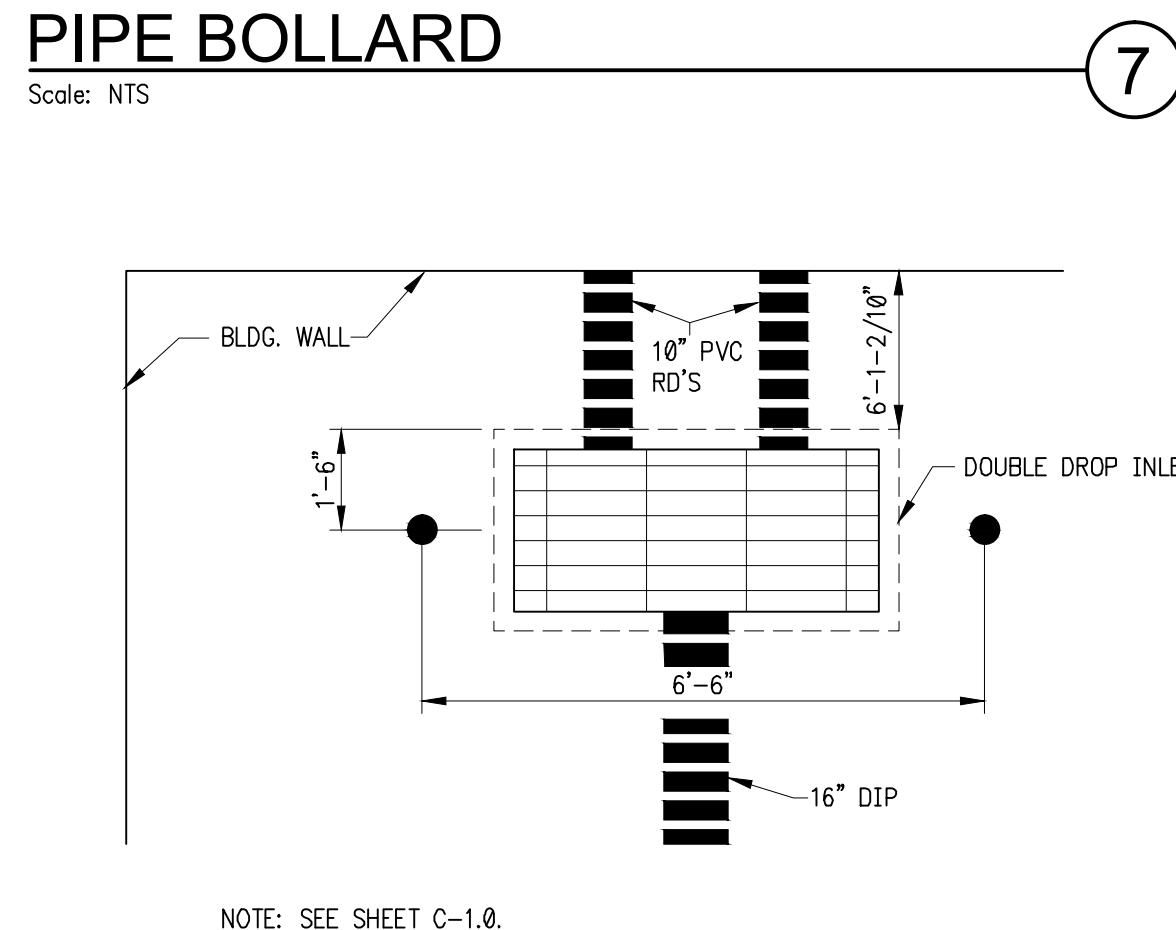
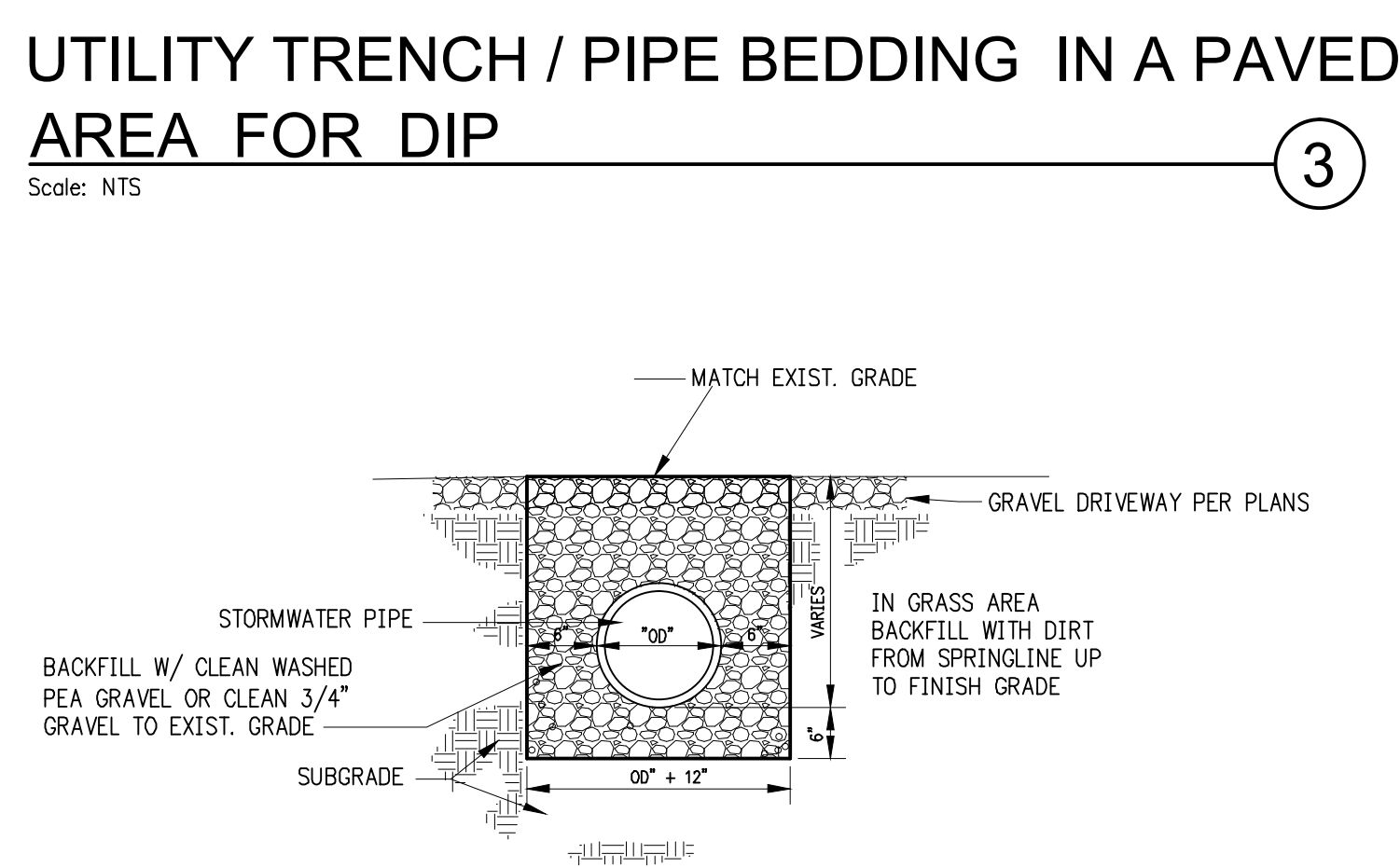
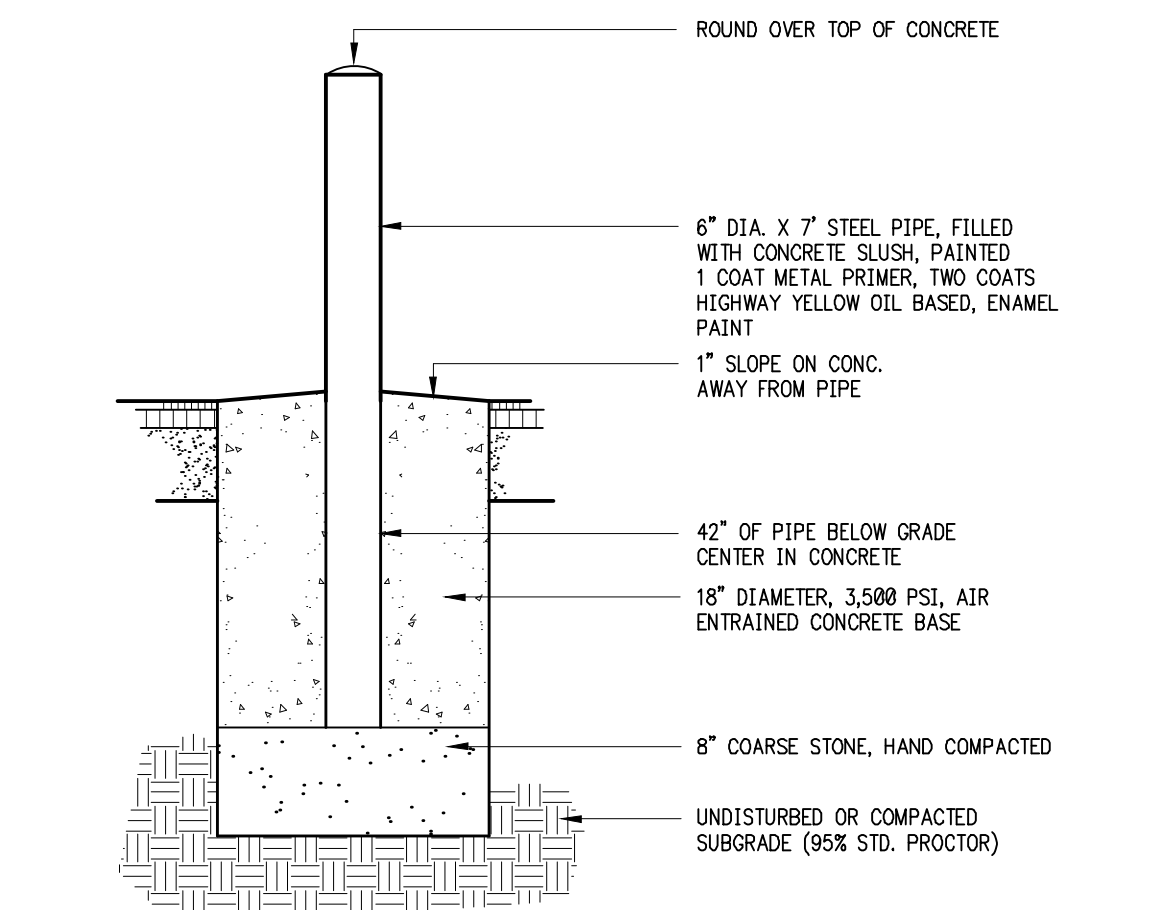
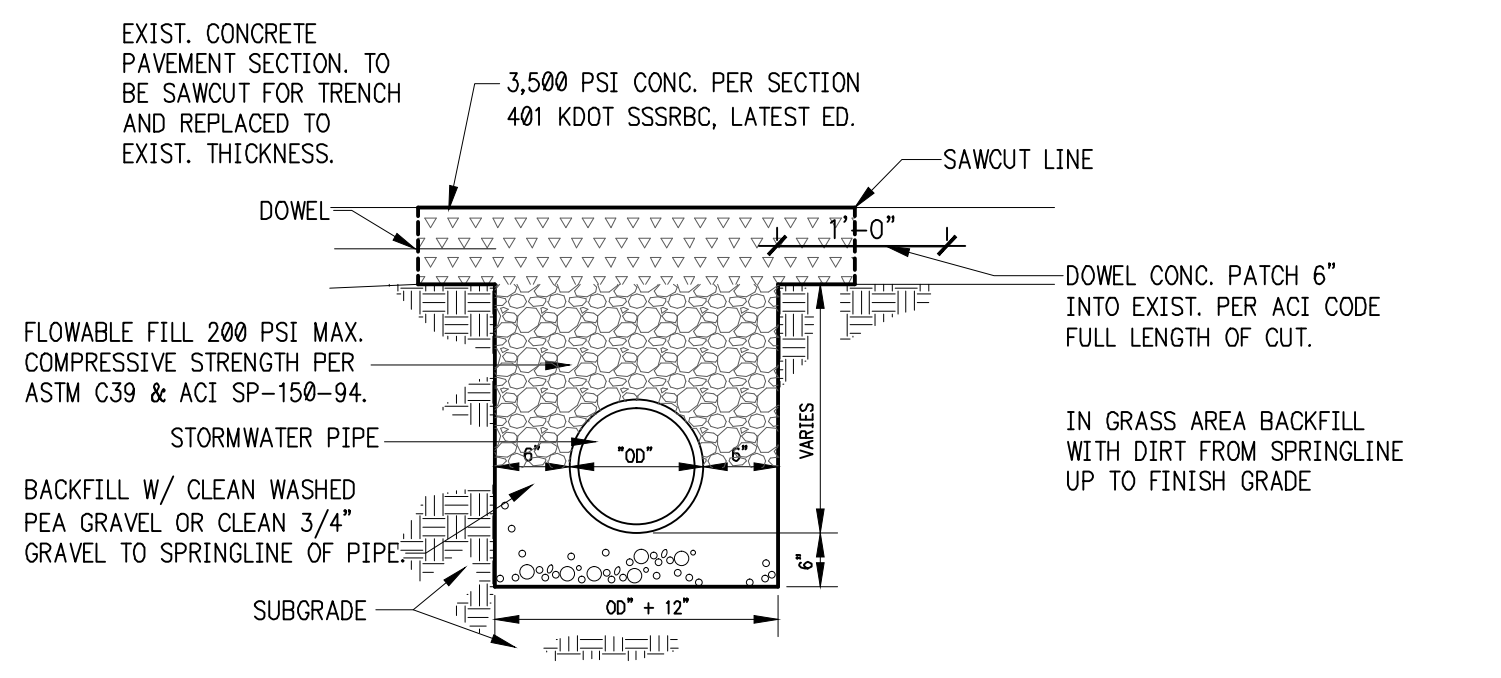
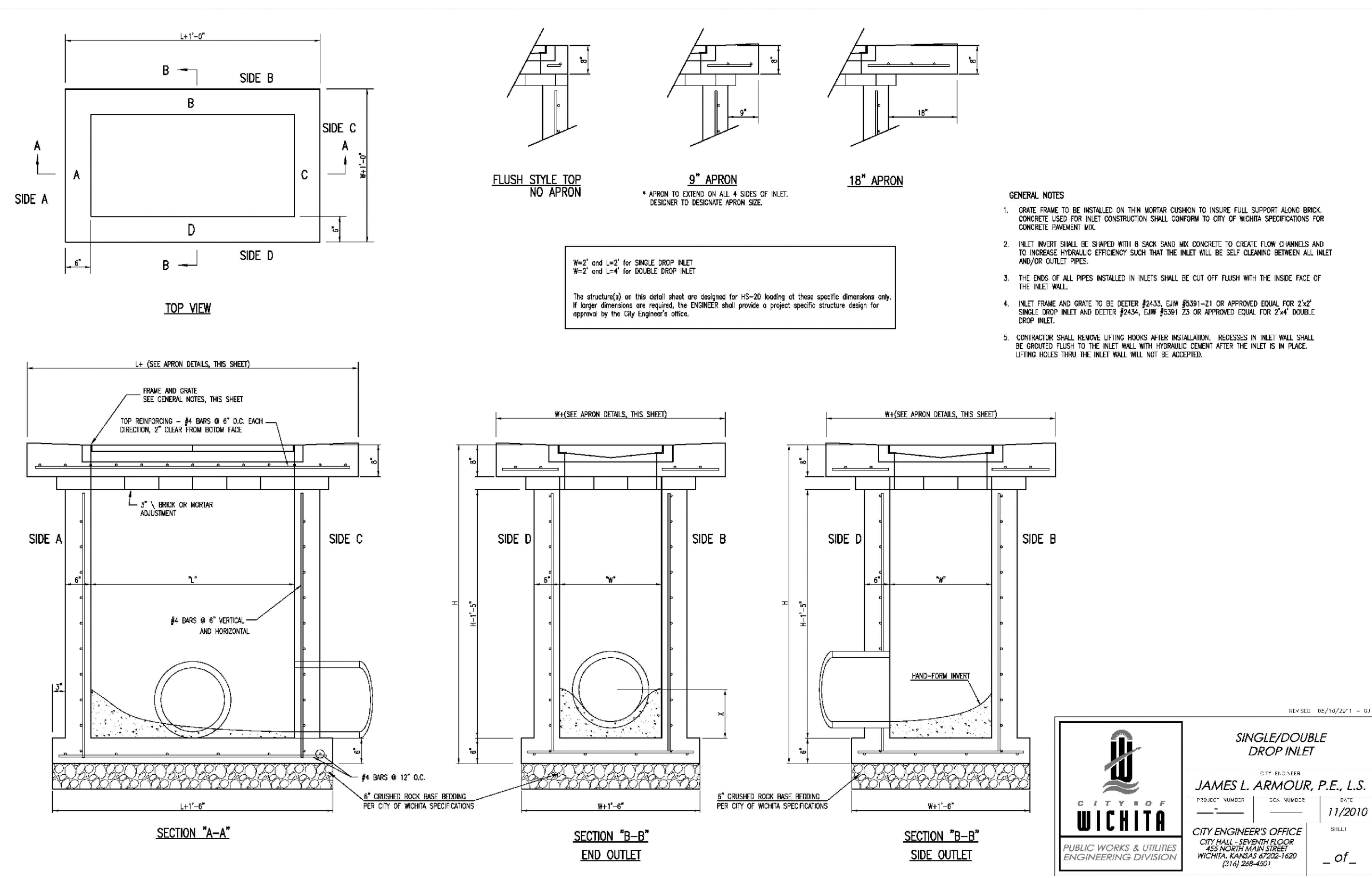
COCA COLA
PROFILE 16 IN. STORM SEWER



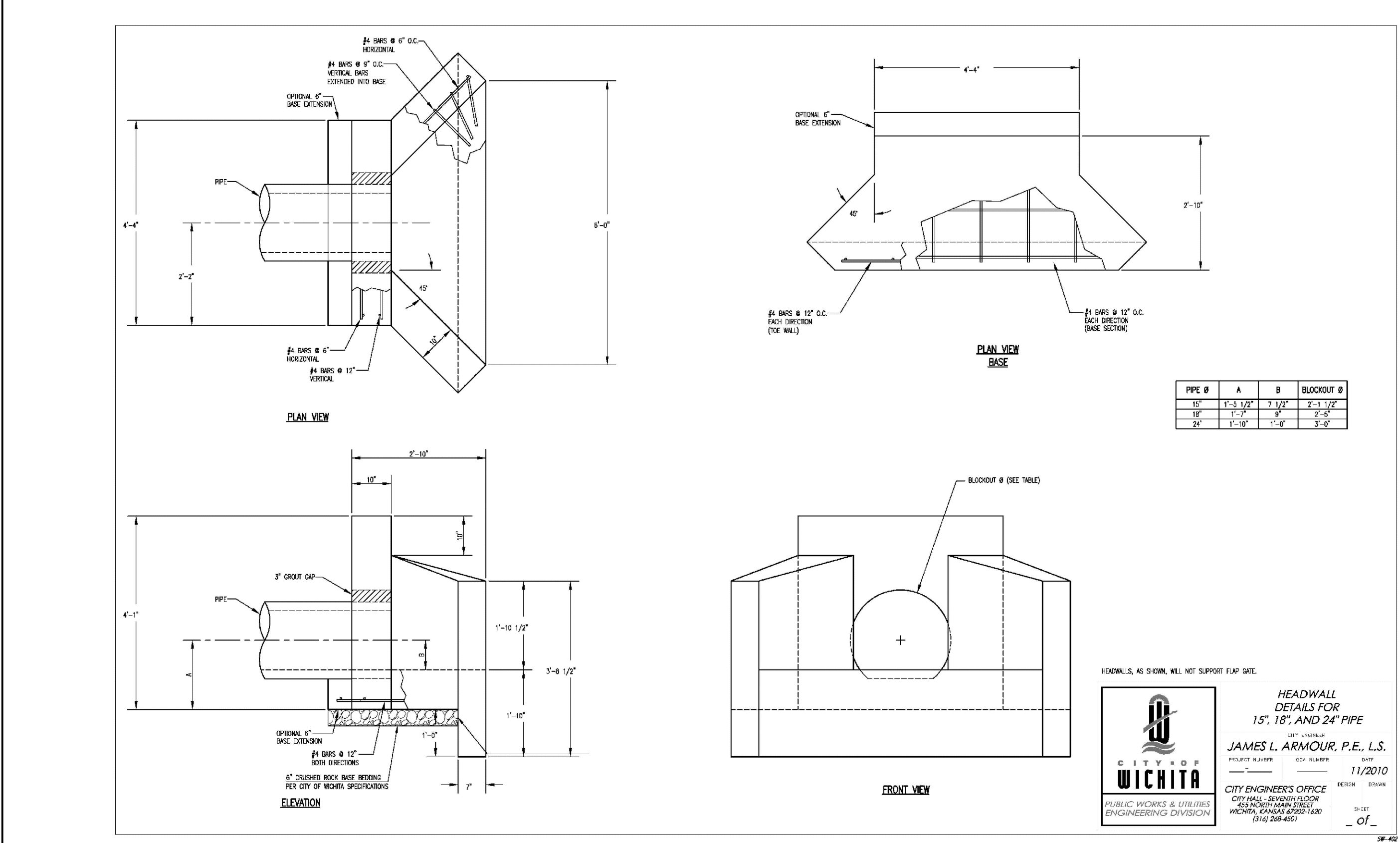
COCA COLA
PROFILE 16 IN. CULVERT

Culvert Not Constructed with this Project

**16 INCH DIP STORM SEWER
AND CULVERT PROFILES**

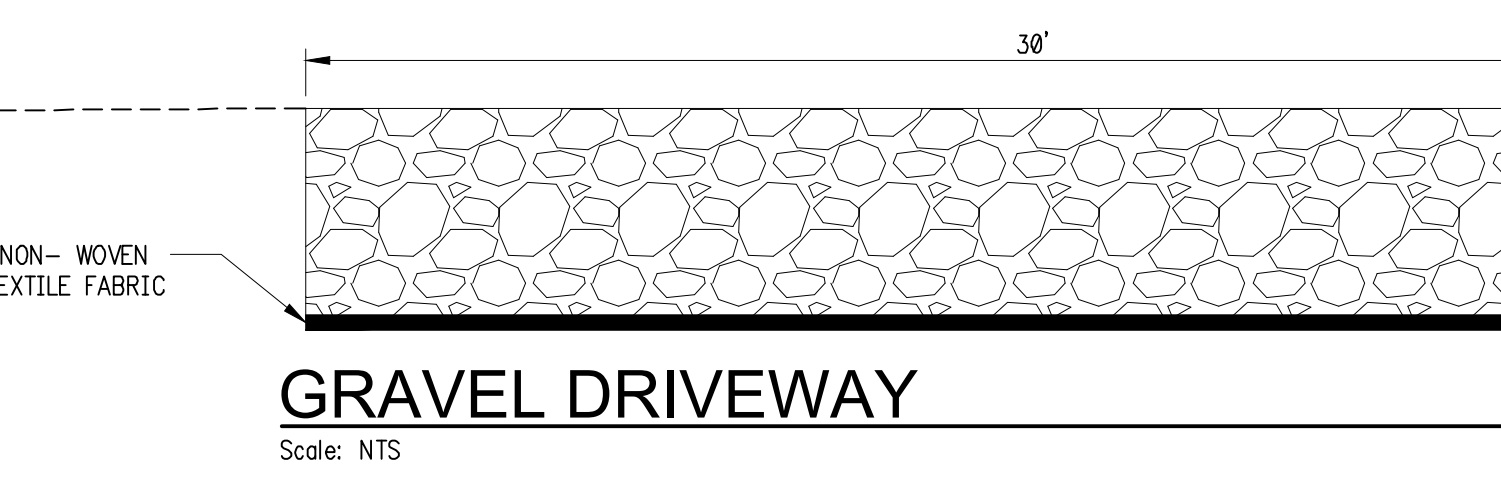


DROP INLET DETAIL ①

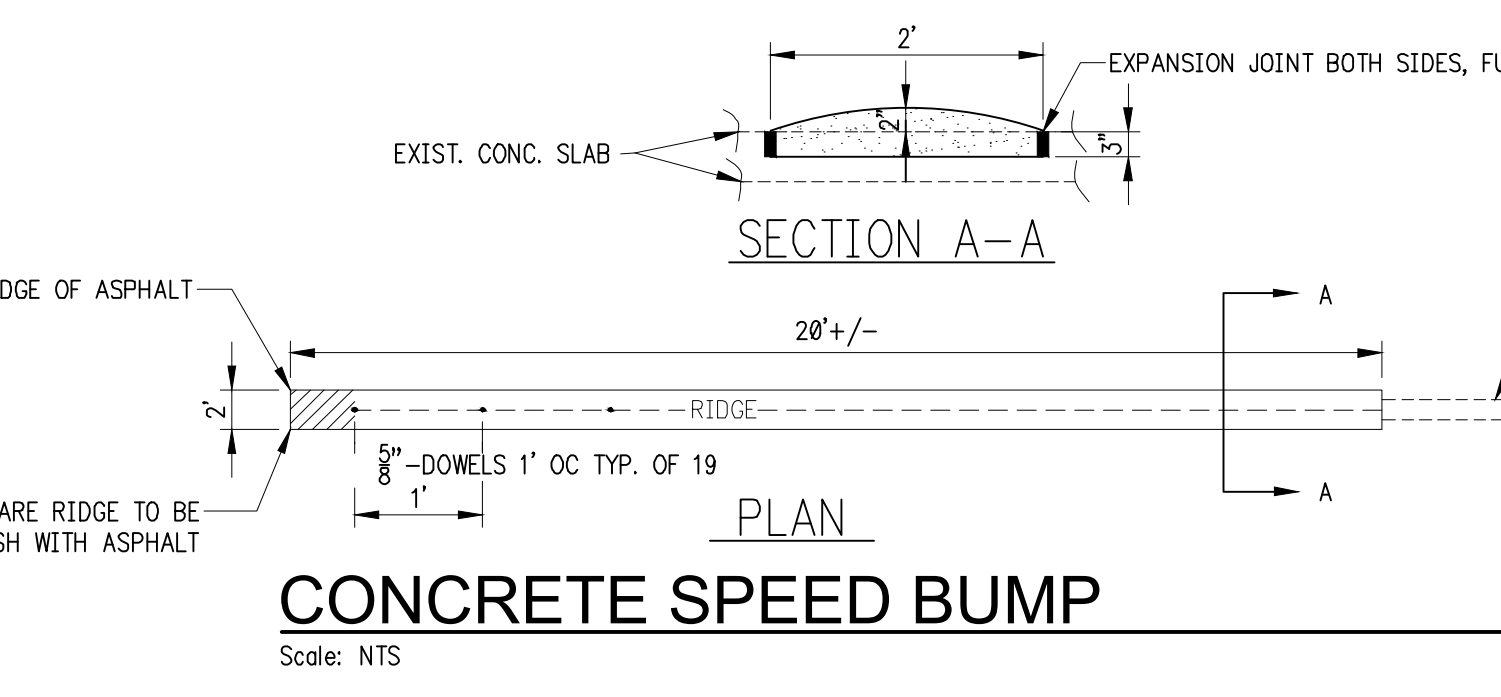


UTILITY TRENCH / PIPE BEDDING OVER CULVERT FOR DIP ④

PIPE BOLLARD LOCATION PLAN ⑧



- NOTES:**
- GRAVEL FOR DRIVEWAY SHALL MEET DIVISION 1100 OF THE KDOT SPECS FOR STATE ROAD AND BRIDGE CONSTRUCTION, LATEST ED.
 - GEOTEXTILE FABRIC SHALL MEET DIVISION 1710 OF THE KDOT SPECS FOR STATE ROAD AND BRIDGE CONSTRUCTION, LATEST ED. PROVIDE NON-WOVEN FABRIC PER AASHTO M 288.

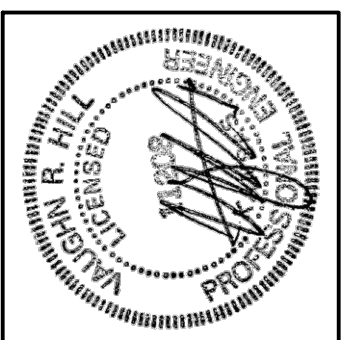


- NOTES:**
- CONCRETE SHALL BE 3,500 PSI.
 - INSTALL DOWELS PER ACI CODE.
 - SAWCUT EXISTING CONCRETE SLAB BOTH SIDES.
 - REMOVE 3 INCHES OF EXISTING CONCRETE.
 - SURFACE ROUGHNESS TO MATCH EXISTING.

STANDARD DETAILS

Coca-Cola Stormwater Replenish Project
 LOCATION: 3151 South West Street, Wichita, KS 67217

Vaughn R. Hill, P.E.
 239 Southland Drive - Lexington, KY 40503
 859-276-2006 - 859-276-2901 Facsimile

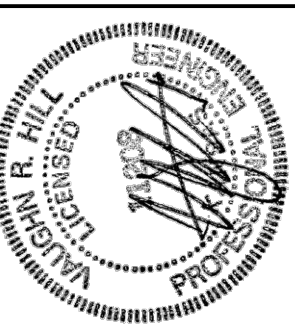


Coca-Cola Refreshments
 CLIENT: 14186 Dallas Parkway • Suite 1460 • Dallas, Tx. 75254
 Tel: 214-902-2818

REVISIONS

NO.	DATE	BY	DESCRIPTION
1	September 20, 2012	TRC	STANDARD DETAILS

SHEET NUMBER



PROJECT INFORMATION:

PROJECT DESCRIPTION
THIS IS ENTIRELY A VOLUNTARY, PRIVATELY FUNDED, ENVIRONMENTAL STEWARDSHIP PROJECT. THE PROPOSED PROJECT CONSISTS OF BUILDING TWO RAIN GARDENS, A BIOSWALE, AND CONNECTING ROOF DRAINS TO A DOUBLE DROP INLET WHICH WILL DISCHARGE TO THE BIOSWALE. ROOF DRAINS WILL BE DISCONNECTED FROM THE CITY STORM SEWERS. 5.23 ACRES OF ROOF, CONCRETE, ASPHALT, GRAVEL, AND GRASS WILL BE ROUTED TO TWO RAIN GARDENS FOR IMPROVEMENTS TO WATER QUALITY AND PERCOLATION AFTER TREATMENT INTO THE GROUNDWATER.

POTENTIAL POLLUTANTS
THE POTENTIAL POLLUTANTS INCLUDE SOLID WASTE, OIL, GREASE, GASOLINE, DIESEL FUEL, CONCRETE WASH-DOWN, SEDIMENT, NITROGEN, PHOSPHORUS, AND POTASSIUM. ANY SPILLS ARE TO BE PROMPTLY REPORTED AND CLEANED UP PER LOCAL, STATE, AND FEDERAL RULES AND REGULATIONS.

DISTURBED AREA
THE DISTURBED AREA IS ABOUT 2.0 AC. CUTS ARE EXPECTED AND WILL BE PLACED IN A STABILIZED STOCKPILE.

EXISTING SOILS
SOIL BORINGS WERE TAKEN IN JULY, 2012. SOILS ARE GENERALLY SANDY AND ARE VERY CONDUCTIVE TO PERCOLATION. THE RAINGARDEN BEDS HAVE BEEN DESIGNED TO REACH A MAXIMUM WATER DEPTH OF 1 FOOT AND TO PERCOLATE WITHIN 24 HOURS. 5 FEET OF SOIL LIES BETWEEN THE BED BOTTOM AND GROUNDWATER. SEE BORING LOGS ATTACHED.

CONCRETE PLANTS (ESTIMATED - SUBJECT TO CHANGE @ BIDDING)
LOCAL PROVIDERS

BMP DESCRIPTION
A. EROSION & SEDIMENT CONTROLS
- PROPERLY INSTALL AND MAINTAIN ALL STRUCTURAL PRACTICES
- REMOVE SEDIMENT FROM TRAPS WHEN @ 50% CAPACITY
- IF ANY SEDIMENT ESCAPES THE SITE, PROMPTLY REMOVE AND STABILIZE BEFORE THE NEXT RAINFALL EVENT
- MAINTAIN CONTROLS TO LIMIT OFF-SITE TRANSPORT OF LITTER, CONSTRUCTION DEBRIS, AND MATERIALS.

EROSION CONTROL MEASURES:

ROCK CONSTRUCTION ENTRANCE

A. DESIGN:
(1) ROCK CONSTRUCTION ENTRANCES WILL BE CONSTRUCTED TO THE MINIMUM WIDTH, LENGTH AND THICKNESS DIMENSIONS SHOWN IN DETAIL.
(2) ROCK WILL BE ASHTO NUMBER 1 OR AS APPROVED BY LOCAL STANDARDS.
(3) FOR INSTALLATION ON CLAYEY OR POORLY DRAINED SOILS, A GEOTEXTILE FABRIC UNDERLAYMENT, OF A TYPE RECOMMENDED FOR SUCH APPLICATIONS BY THE MANUFACTURER, WILL BE USED.

B. CONSTRUCTION:
CONSTRUCTION WILL BE TO THE DIMENSIONS SHOWN ON THE CONSTRUCTION DRAWINGS.

C. MAINTENANCE:
THE STRUCTURE'S THICKNESS WILL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSION BY ADDING ROCK. A STOCKPILE OF ROCK MATERIAL WILL BE MAINTAINED ON THE SITE FOR THIS PURPOSE. AT THE END OF EACH CONSTRUCTION DAY, ALL SEDIMENT DEPOSITED ON PUBLIC ROADWAYS, WILL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE. WASHING OF THE ROADWAY WITH WATER IS NOT PERMITTED.

FILTER FABRIC FENCE

A. DESIGN STANDARDS:
GENERAL: GEOTEXTILE FABRIC (FILTER CLOTH) FENCE MATERIALS ARE AVAILABLE FROM VARIOUS MANUFACTURERS. MATERIAL AND PERFORMANCE SPECIFICATIONS MAY VARY SLIGHTLY BETWEEN DIFFERENT BRANDS. HOWEVER, WHEN USING A GEOTEXTILE FABRIC FOR CONSTRUCTION OF A VERTICAL SEDIMENT CONTROL FENCE, ONLY THOSE FABRIC TYPES SPECIFIED FOR SUCH USE BY THE MANUFACTURER SHALL BE USED.

B. DESIGN STANDARDS:
(1) FILTER FABRIC FENCE WILL BE PLACED AT LEVEL GRADE, BOTH ENDS OF A FENCE SECTION WILL BE EXTENDED UP THE SLOPE SO THAT THE BOTTOM OF THE FENCE SHALL END AT THE TOP OF THE FENCE ELEVATION.
(2) FILTER FABRIC FENCES WILL BE DESIGNED TO CONTROL RUNOFF FROM DRAINAGE AREAS THAT DO NOT EXCEED THE MAXIMUM SLOPE TO SLOPE LENGTH RELATIONSHIPS SHOWN IN TABLE.
(3) 18" HIGH FENCE SHALL BE INSTALLED ACCORDING TO THE DETAILS SHOWN IN DETAIL. ANY FENCE GREATER THAN 18" HIGH, MAY BE INSTALLED ACCORDING TO THE DETAIL ON THIS SHEET, AS LONG AS THE MAXIMUM SLOPE LENGTHS FOR THE 18" HIGH FENCE ARE OBSERVED.
(4) 30" HIGH FENCE, OR ANY HEIGHT FENCE INSTALLED ON UNCOMPACTED FILLS OR EXTREMELY LOOSE UNDISTURBED SOILS WILL BE CONSTRUCTED TO THE DETAILS SHOWN ON THIS SHEET. THE DESIGNER MAY INCREASE/DECREASE THESE DIMENSIONS TO FURTHER STRENGTHEN THE SECTION. ROCK BUTTRESSING OF THE TOE ANCHOR IS ALSO ADVISABLE UNDER CERTAIN CIRCUMSTANCES.

B. DESIGN RESTRICTIONS:
THE FORMATION OF CONCENTRATED FLOWS ON THE DRAINAGE SLOPE ABOVE A FILTER FABRIC FENCE INSTALLATION IS NOT PERMITTED. IF CONCENTRATED FLOWS DO OCCUR, DIRECT SLOPE STABILIZATION MEASURES MUST BE EMPLOYED TO PREVENT SUCH CONDITIONS.
(1) FILTER FABRIC FENCES WILL NOT BE PLACED IN ANY AREA OF CONCENTRATED FLOWS SUCH AS DITCHES, SWALES, CHANNELS, ETC.
(2) FILTER FABRIC FENCES WILL NOT BE USED IN AREAS WHERE ROCK OR ROCKY SOILS PREVENT THE FULL & UNIFORM ANCHORING OF THE FENCE TOE.
(3) FILTER FABRIC MATERIAL WILL NOT BE PLACED ACROSS THE ENTRANCE TO PIPES OR CULVERTS AND WILL NOT BE WRAPPED AROUND THE PRINCIPAL SPILLWAY STRUCTURES OF SEDIMENT TRAPS OR BASINS.

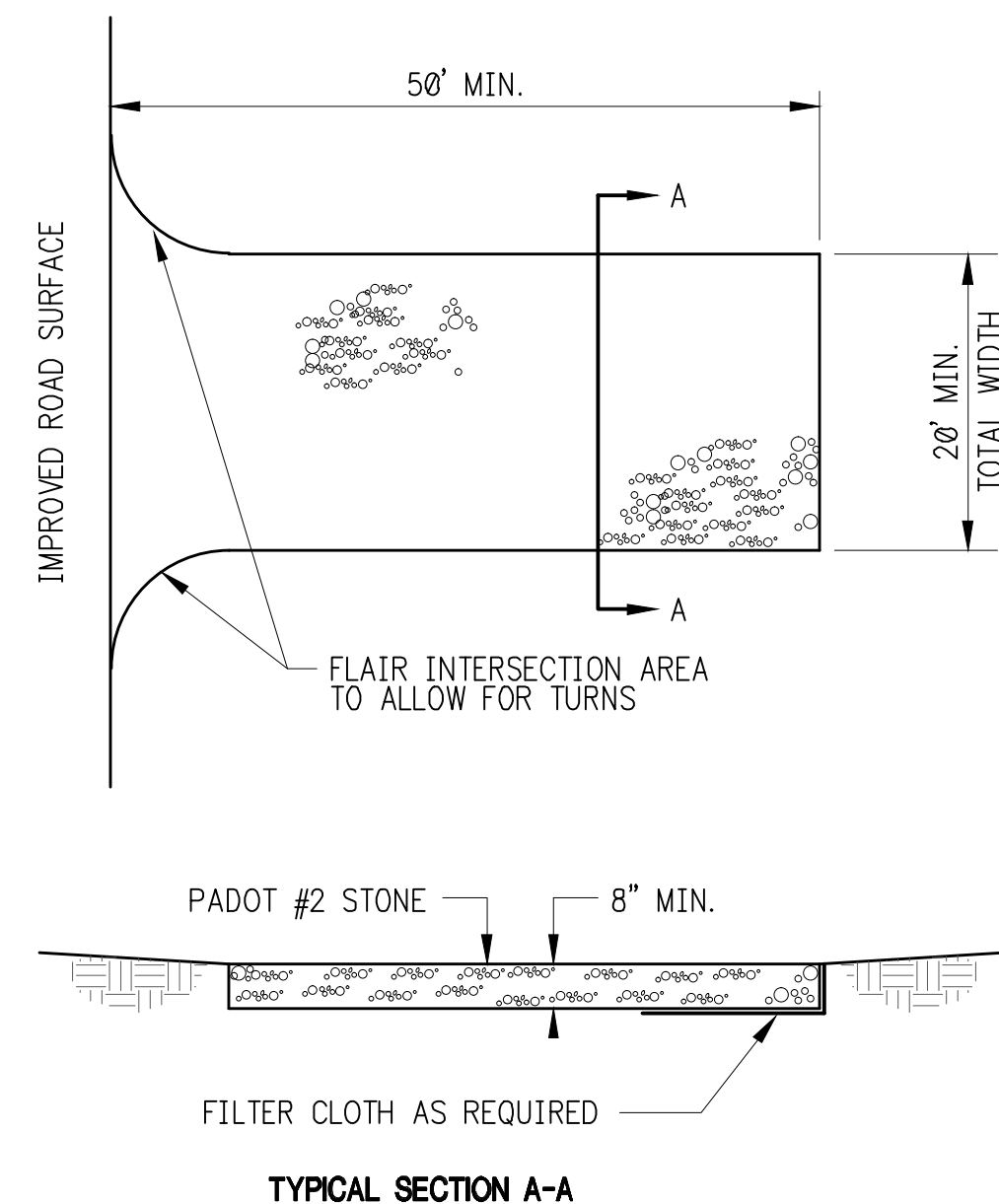
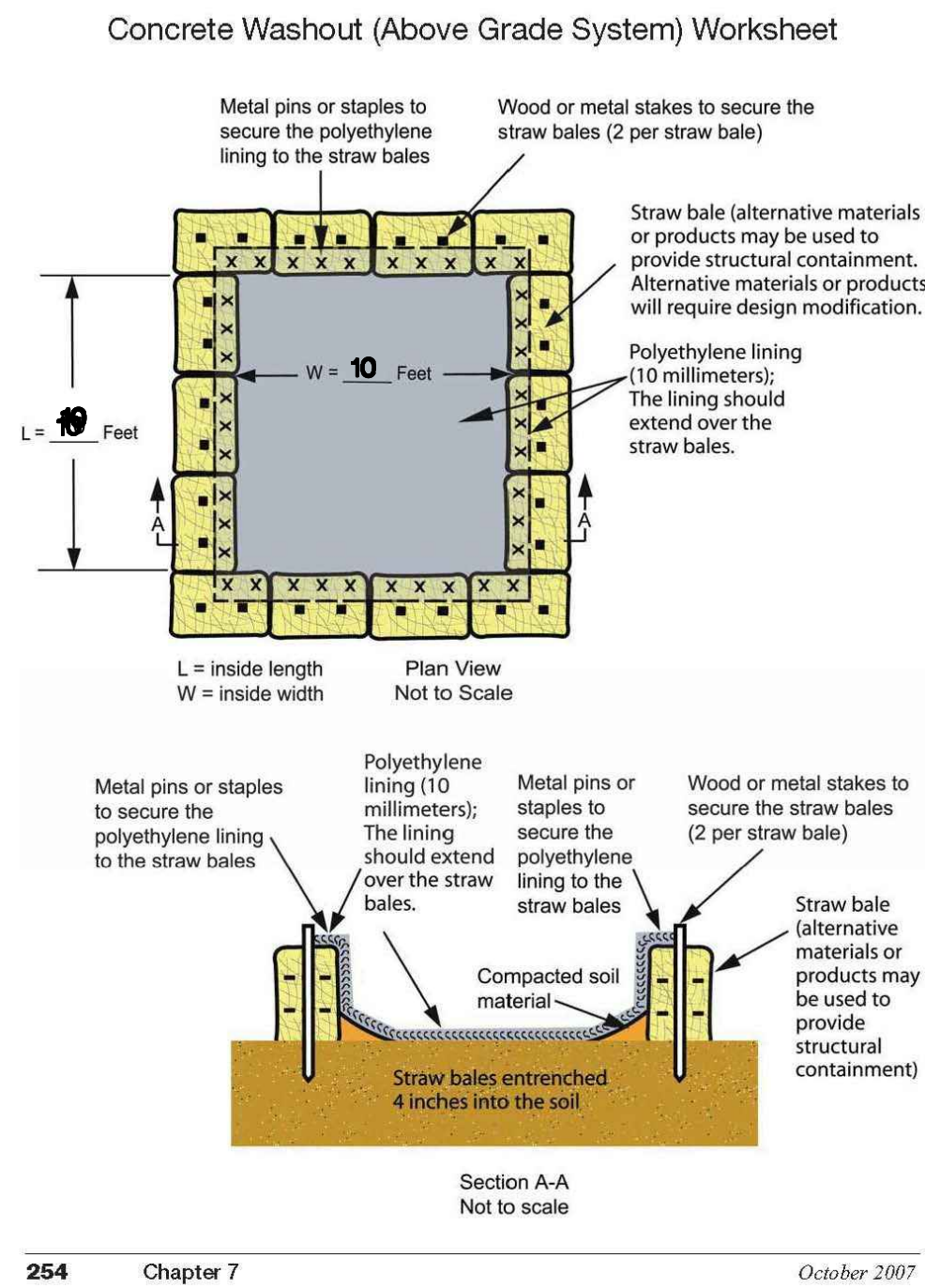
C. INSTALLATION:
(1) A TRENCH WILL BE PLOWED OR OTHERWISE EXCAVATED TO THE REQUIRED DEPTH WITH LITTLE, IF ANY, DISTURBANCE TO THE DOWNSLOPE SIDE OF THE TRENCH. THE BOTTOM OF THE TRENCH AND THE FENCE TOP WILL BE PLACED ON A LEVEL GRADE. WHEN IT IS NECESSARY TO CROSS SMALL DEPRESSIONS, THE TRENCH BOTTOM AND FENCE TOP EDGE MAY DEVIATE SLIGHTLY FROM THE LEVEL GRADE. GRADES IN SUCH SECTIONS WILL NOT EXCEED ONE PERCENT (1%), NOR WILL THE DEVIATION EXTEND FOR MORE THAN 25 FEET.
(2) SUPPORT STAKES WILL BE DRIVEN TO THE REQUIRED DEPTH BELOW THE EXISTING GROUND SURFACE, AT SPECIFIED INTERVALS.
(3) STRETCH AND FASTEN FABRIC TO THE UPSLOPE SIDE OF THE SUPPORT STAKES (IF REINFORCED SECTION, FASTEN REINFORCEMENT MESH PRIOR TO FASTENING THE FABRIC).
(4) WHERE ENDS OF FABRIC COME TOGETHER, THEY WILL BE OVERLAPPED, FOLDED AND STAPLED TO PREVENT SEDIMENT BYPASS.
(5) THE TOE ANCHOR WILL BE BACKFILLED AND COMPACTED TO A DENSITY EQUAL TO SURROUNDING SOILS.
(6) IF CONSTRUCTING A REINFORCED SECTION, ATTACH GUY WIRES TO SUPPORT STAKES. PROVISIONS SHOULD BE MADE FOR EASY LOOSENING AND REMOVAL OF THE GUY WIRES TO ALLOW FOR ACCESS TO PERFORM MAINTENANCE WORK.

D. MAINTENANCE:
(1) THE FENCE INSTALLATION SHALL BE INSPECTED EVERY 14 DAYS AND WITHIN 24 HOURS OF A ONE-HALF INCH OR GREATER RAINFALL EVENT. ANY NECESSARY REPAIRS SHALL BE MADE IMMEDIATELY.
(2) ACCUMULATED SEDIMENTS WILL BE REMOVED AS REQUIRED TO KEEP THE FENCE FUNCTIONAL. IN ALL CASES REMOVE DEPOSITS WHERE ACCUMULATIONS REACH 1/3 THE ABOVE GROUND HEIGHT OF THE FENCE.

(3) ALL UNDERCUTTING OR EROSION OF THE TOE ANCHOR WILL BE REPAIRED IMMEDIATELY WITH COMPACTED BACKFILL MATERIALS.
(4) ADHERE TO ANY MANUFACTURER'S RECOMMENDATIONS FOR REPLACING FILTER FABRIC FENCE DUE TO WEATHERING.

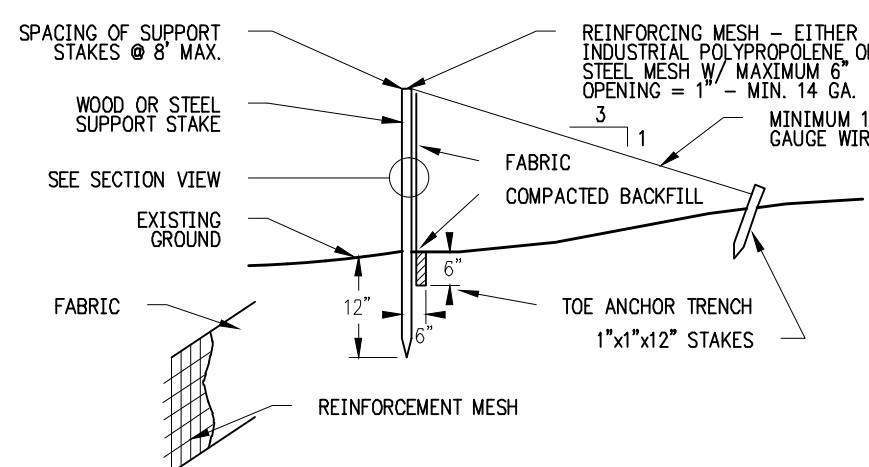
INLET PROTECTION
A. DESIGN:
(1) INLET PROTECTION WILL BE INSTALLED IN THE INLET AS SHOWN.
B. CONSTRUCTION:
(1) CONSTRUCTION WILL BE TO THE DIMENSIONS SHOWN ON THE CONSTRUCTION DRAWINGS.
C. MAINTENANCE:
(1) THE INLET PROTECTION INSTALLATION SHOULD BE INSPECTED AFTER EVERY PRECIPITATION EVENT. ANY NECESSARY REPAIRS WILL BE MADE IMMEDIATELY.
(2) ACCUMULATED SEDIMENTS WILL BE REMOVED AS REQUIRED TO KEEP THE INLET PROTECTION FUNCTIONAL. REPLACE MEDIA WHEN 50% CLOGGED.

CONCRETE WASHOUT



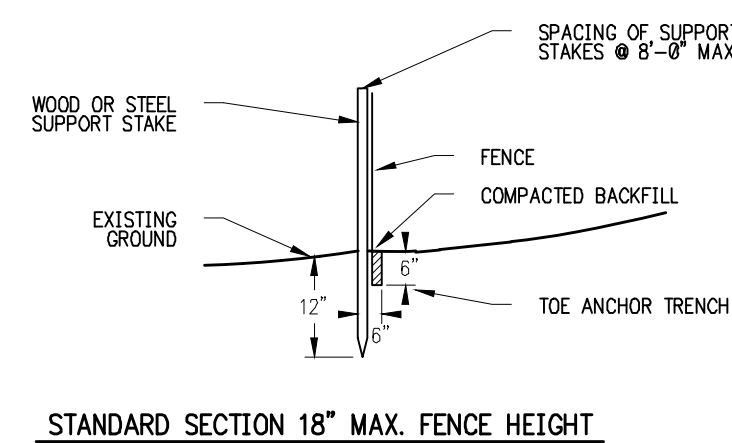
STABILIZED CONSTRUCTION ENTRANCE - SCE

SCALE: N.T.S.



FENCE INSTALLATION DETAILS

SCALE: N.T.S.



SILT FENCE DETAIL-SF

SCALE: N.T.S.

TEMPORARY & PERMANENT SEEDING:

"TEMPORARY SEEDING" SHALL BE DONE ON ALL AREAS, EXCEPT BIOSWALE AND RAIN GARDENS, TO BE PERMANENTLY SEEDED. TEMPORARILY SEED BETWEEN SEPTEMBER 15 AND MARCH 1 OR OVER ALL LOT AREAS WHICH ARE DISTURBED BUT ARE NOT TO BE PERMANENTLY SEEDED AT THIS TIME. NO AREA FOR WHICH GRADING HAS BEEN COMPLETED SHALL BE LEFT UNSEEDED OR UNMULCHED FOR LONGER THAN 14 DAYS. IF PERMANENT SEED IS NOT APPLIED AT THIS TIME, TEMPORARY SEEDING SHALL BE DONE AT THE FOLLOWING RATES: **NOTE: CONSULT KDOT TEMP. EROSION CONTROL MANUAL FOR GUIDANCE.**

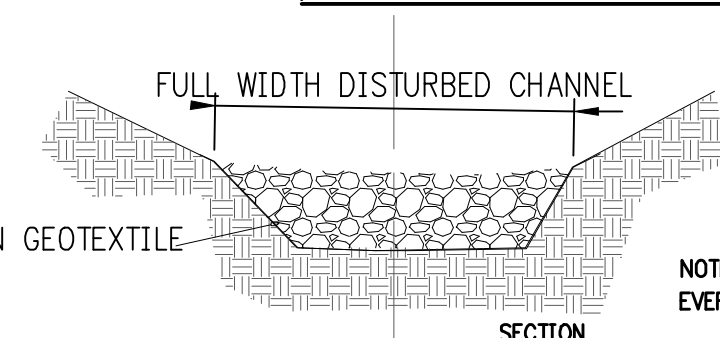
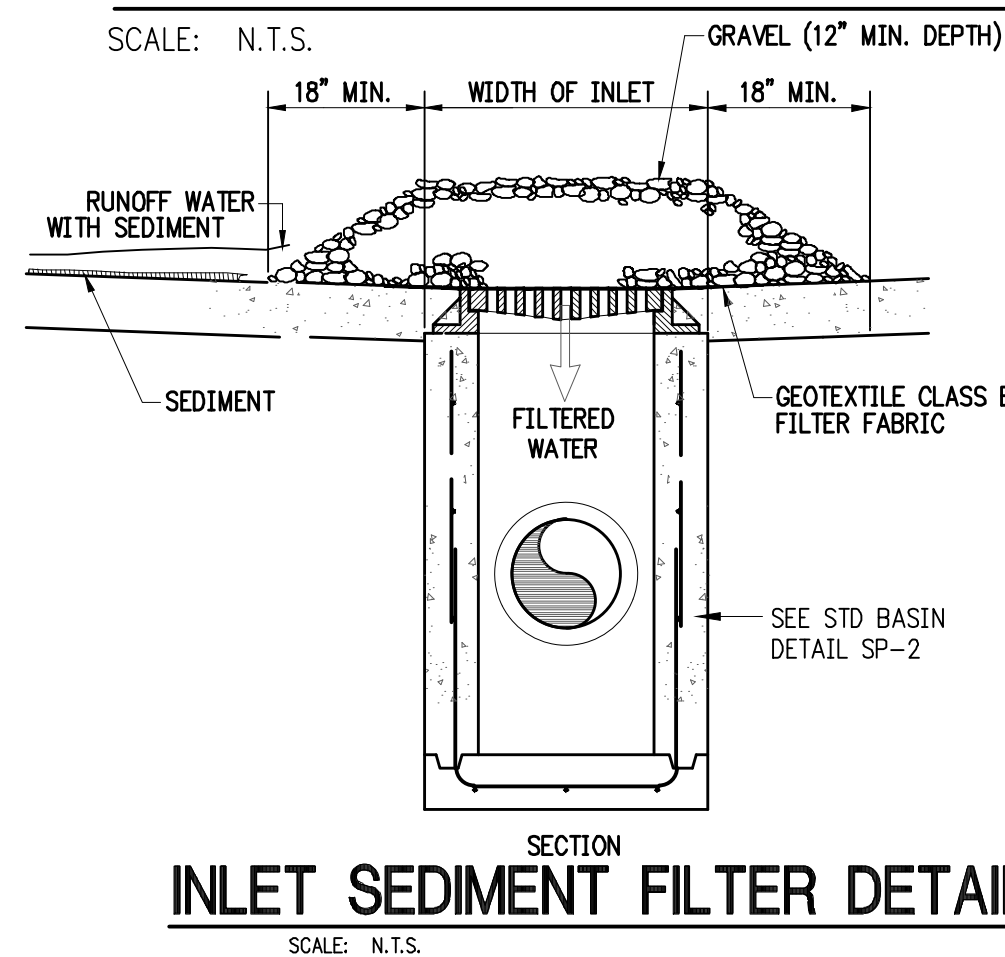
MARCH 1 TO SEPTEMBER 15	SEED: ANNUAL RYE	2 LBS/1,000 SF	NOTE: MULCH SHALL BE ASPHALT TACKED.
	MULCH: STRAW OR HAY	2 TONS/ACRE	
	FERTILIZER: 12:12:12	12-1/2 LBS/1,000 SF	
SEPTEMBER 15 TO OCTOBER 30	SEED: ANNUAL RYE	3 LBS/1,000 SF	
	MULCH: STRAW OR HAY	2 TONS/ACRE	
	FERTILIZER: 12:12:12	12-1/2 LBS/1,000 SF	
OCTOBER 30 TO MARCH 1	MULCH ONLY: STRAW OR HAY	2 TONS/ACRE	

"PERMANENT SEEDING" SHALL BE DONE BETWEEN MARCH 1 & SEPTEMBER 15. PERMANENT SEED SHALL BE 80% BERMUDA GRASS & 20% ANNUAL RYEGRASS. PERMANENT SEEDING SHALL CONSIST OF FERTILIZING, WATER & SEEDING INDICATED IN THE SPECIFICATIONS. SEEDING SHALL BE APPLIED WITHIN 2 DAYS AFTER FINAL GRADING OR FOLLOWING BED PREPARATION:

RATES OF APPLICATION :

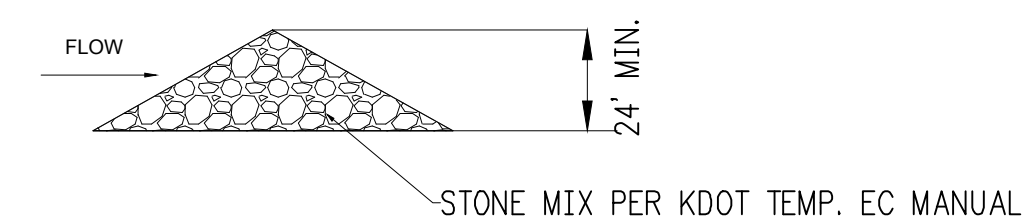
SEED: ANNUAL RYEGRASS	1/2 LBS/1,000 SF
FERTILIZER: 12:12:12	25 LBS/1,000 SF
MULCH: STRAW OR HAY	2 TONS/ACRE

CONCRETE WASHOUT DETAIL - CW



ROCK CHECK DAM -RCD

N.T.S.



SWPPP NOTES & DETAILS