

STORM PLAN TO SERVE SAM'S CLUB #6275-00 THE CITY OF WICHITA, KANSAS GARY JANZEN, P.E. - CITY ENGINEER

AS BUILT PLANS

Contractor: Mies
Inspector: Fred Smith, Baughman Co.
pdf's by: KEK, 2/4/14
REVISED 3/19/14

OCA NO. 607861

PROJECT NO. 0149 PPD

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UTILITY RESPONSIBILITY MATRIX FOR THIS PROJECT			
	UTILITY GOVERNING AGENCIES CONTACTS	CONTRACTOR RESPONSIBILITY	OTHERS RESPONSIBILITY
GAS	KANSAS GAS SERVICE JIM COE 1021 EAST 28TH STREET NORTH WICHITA, KANSAS 67219 PHONE: (316) 832-3101 FAX: (785) 575-8647	► COORDINATE CONSTRUCTION ACTIVITIES WITH GAS COMPANY TO ENSURE INSTALLATION OF GAS LINE IS COMPLETED PRIOR TO PAVING OR CURB PLACEMENT ► INSTALL BOLLARD PROTECTION AS SHOWN ON THE PLANS PER THE GAS COMPANY REQUIREMENTS	► SERVICE FROM THE POINT OF CONNECTION AT THE EXISTING LINE UP TO AND INCLUDING SETTING OF METER WILL BE BY THE GAS COMPANY ► PRESENT RESPONSIBLE PARTIES ► ANY RELOCATION OF EXISTING WILL BE DONE BY CITY OF WICHITA PUBLIC WORKS.
TELEPHONE	SBC JIM TOBEN 154 NORTH BROADWAY, ROOM 210 WICHITA, KANSAS 67202 PHONE: (316) 268-2245	► COORDINATE CONSTRUCTION ACTIVITIES WITH TELEPHONE COMPANY TO ENSURE INSTALLATION OF UNDERGROUND LINES ARE COMPLETED PRIOR TO PAVING OR CURB PLACEMENT ► PROVIDE AND INSTALL 2" SCHEDULE 40 PVC CONDUITS WITH PULL ROPES, INCLUDING ALL TRENCHING AND BACKFILLING, FROM THE RISER POLE UP TO THE BUILDING ► PROVIDE AND INSTALL PULL BOXES AS PER TELEPHONE COMPANY REQUIREMENTS	► TELEPHONE COMPANY WILL PROVIDE AND INSTALL ALL TELEPHONE CABLES FROM THE POINT OF CONNECTION UP TO THE BUILDING ► PRESENT RESPONSIBLE PARTIES ► ANY RELOCATION OF EXISTING WILL BE DONE BY SBC.
ELECTRIC	WESTAR ENERGY SHANE PRICE 201 N. MARKET ST. WICHITA, KANSAS 67202 PHONE: (316) 261-6824	► COORDINATE CONSTRUCTION ACTIVITIES WITH ELECTRIC COMPANY TO ENSURE INSTALLATION OF UNDERGROUND LINES ARE COMPLETED PRIOR TO PAVING OR CURB PLACEMENT ► PROVIDE AND INSTALL 2" SCHEDULE 40 PVC CONDUITS WITH PULL ROPES, INCLUDING ALL TRENCHING AND BACKFILLING, FOR THE UNDERGROUND PORTIONS OF THE PRIMARY FROM THE RISER POLE UP TO THE TRANSFORMER. SCHEDULE 90 PVC CONDUITS SHALL BE USED ON THE RISER POLE AND RIGID METAL, LONG RADIUS, ELBOWS SHALL BE USED WHERE THE UNDERGROUND PORTION MEETS THE RISER POLE AND TRANSFORMER ► CONSTRUCT TRANSFORMER PAD AS PER THE ELECTRIC COMPANY'S SPECIFICATIONS ► PROVIDE AND INSTALL ALL SECONDARY SERVICE AND MATERIALS	► ELECTRIC COMPANY WILL PROVIDE AND INSTALL ALL MATERIALS NEEDED TO ESTABLISH PRIMARY OVERHEAD SERVICE FROM POINT OF CONNECTION AT THE EXISTING LINE UP TO THE TRANSFORMER ► ELECTRIC COMPANY WILL PROVIDE AND INSTALL PRIMARY CABLE FOR ALL UNDERGROUND LINES UP TO THE TRANSFORMER ► PRESENT RESPONSIBLE PARTIES ► ANY RELOCATION OF EXISTING LINES OR POLES WILL BE DONE BY WICHITA ELECTRIC SYSTEM.
SANITARY SEWER	CITY OF WICHITA JULIANNE KALLMAN 455 N. MAIN ST., 7th Floor WICHITA, KANSAS 67202 PHONE: (316) 268-4206 FAX: (316) 268-4514	► PROVIDE AND INSTALL SANITARY SEWER LINES AND ASSOCIATED APPURTENANCES PER THE PLANS AND SPECIFICATION ► ALL PUBLIC AND PRIVATE SANITARY SEWER LINES SHALL BE PVC AND RATED SDR 26 ► COORDINATE REQUIRED INSPECTION SERVICES WITH ENGINEER OF RECORD AND CITY OF WICHITA DEPARTMENT OF PUBLIC WORKS. SEE UTILITY PLAN FOR REQUIREMENTS	
WATER	CITY OF WICHITA JULIANNE KALLMAN 455 N. MAIN ST., 7th Floor WICHITA, KANSAS 67202 PHONE: (316) 268-4206 FAX: (316) 268-4514	► PROVIDE AND INSTALL ALL WATER MAINS AND ASSOCIATED APPURTENANCES PER THE PLANS AND SPECIFICATION ► ALL PUBLIC AND PRIVATE WATER MAINS SHALL BE C-900 PVC, DR18 CLASS 200 ► ALL PORTIONS OF THE FIRE PROTECTION WATER SYSTEM SHALL BE INSTALLED BY A LICENSED FIRE SPRINKLER CONTRACTOR ► ALL PORTIONS OF OTHER NON FIRE PROTECTION RELATED LINES MAY BE INSTALLED BY THE PLUMBING CONTRACTOR ► COORDINATE REQUIRED INSPECTION SERVICES WITH ENGINEER OF RECORD AND CITY OF WICHITA DEPARTMENT OF PUBLIC WORKS. SEE UTILITY PLAN FOR REQUIREMENTS.	► DOMESTIC TAP FROM THE POINT OF CONNECTION AT THE EXISTING LINE UP TO AND INCLUDING SETTING OF METER AT THE PROPERTY LINE WILL BE BY THE WATER COMPANY ► PRESENT RESPONSIBLE PARTIES ► THE CITY OF WICHITA IS TO BE REIMBURSED FOR THE COST OF THE CONTRACTOR TAP AND VALVE TO EXISTING WATER LINE ► THE CITY OF WICHITA IS ONLY RESPONSIBLE FOR INSTALLATION OF DOMESTIC WATER SERVICES FROM THE EXISTING WATER MAIN TO THE WATER METER ON SIZES 2" AND SMALLER ► THE CITY OF WICHITA IS NOT RESPONSIBLE FOR RELOCATION OF ANY EXISTING WATER UTILITIES.
STORM SEWER	CITY OF WICHITA SCOTT LINDEBAK, P.E. 455 N. MAIN ST. WICHITA, KANSAS 67202 PHONE: (316) 268-4206 FAX: (316) 268-4514	► PROVIDE AND INSTALL ALL STORM SEWER LINES AND ASSOCIATED APPURTENANCES PER THE PLANS AND SPECIFICATION ► REFER TO GRADING PLAN FOR INFORMATION ON ALLOWABLE STORM SEWER MATERIALS	



Dumpster Drain Line
Added by C.O. 3/7/14
See Attached Sheet

SITE LOCATION MAP
NTS



PROJECT DESIGN TEAM

CIVIL
KIMLEY-HORN AND ASSOCIATES, INC.
KEVIN GASKAY, P.E.
12150 MERIT DR., SUITE 1000
DALLAS, TEXAS 75251
PHONE: (972) 770-1300
FAX: (972) 239-3820

SURVEY
BAUGHMAN COMPANY, P.A.
MICHAEL G. CONROY, LS
315 ELLIS ST.
WICHITA, KANSAS 67211
PHONE: (972) 262-7271
FAX: (316) 262-0149

GEOTECHNICAL ENGINEER
TERRACON CONSULTANTS, INC.
KENT J. SCHNEIDER, P.E.
1815 S. EISENHOWER
WICHITA, KANSAS 67209
PHONE: (316) 262-9171
FAX: (316) 262-4997

ENVIRONMENTAL
TERRACON CONSULTANTS, INC.
JAMES C. BRUGGERMAN, P.G.
1815 S. EISENHOWER
WICHITA, KANSAS 67209
PHONE: (316) 262-9171
FAX: (316) 262-4997

LANDSCAPE ARCHITECT
KIMLEY-HORN AND ASSOCIATES, INC.
MARK HATCHEL, IRLA, A.S.A.
2201 WEST ROYAL LANE, SUITE 275
IRVING, TEXAS 75063
PHONE: (214) 420-9000
FAX: (214) 420-5680

LIST OF CONTACTS

CITY ENGINEERING
CITY OF WICHITA
GARY JANZEN, P.E.
455 N. MAIN ST.
WICHITA, KANSAS 67202
PHONE: (316) 268-4501
FAX: (316) 268-4114

BUILDING OFFICIAL
CITY OF WICHITA
PAUL HAYS
400 N. MAIN ST.
WICHITA, KANSAS 67202
PHONE: (316) 268-4296
FAX: (316) 268-4063

CITY PLANNING/ZONING
CITY OF WICHITA
JOHN SCHUEGEL
455 N. MAIN ST.
WICHITA, KANSAS 67202
PHONE: (316) 268-4296
FAX: (316) 268-4390

WATER
CITY OF WICHITA
JULIANNE KALLMAN
455 N. MAIN ST., 7th Floor
WICHITA, KANSAS 67202
PHONE: (316) 268-4206
FAX: (316) 268-4514

FIRE CHIEF
CITY OF WICHITA
RON BLACKWELL
455 N. MAIN ST.
WICHITA, KANSAS 67202
PHONE: (316) 268-4510
FAX: (316) 268-7702

STORMWATER
CITY OF WICHITA
SCOTT LINDEBAK, P.E.
455 N. MAIN ST.
WICHITA, KANSAS 67202
PHONE: (316) 268-4908
FAX: (316) 268-4514

CABLE
COX COMMUNICATIONS
725 E DOUGLAS AVE
WICHITA, KANSAS 67202
PHONE: (316) 269-7659

TELEPHONE
SBC
JIM TOBEN
154 NORTH BROADWAY, ROOM 210
WICHITA, KANSAS 67202
PHONE: (316) 268-2245
FAX: (316) 268-4514

SANITARY SEWER
CITY OF WICHITA
JULIANNE KALLMAN
455 N. MAIN ST., 7th Floor
WICHITA, KANSAS 67202
PHONE: (316) 268-4206
FAX: (316) 268-4514

TRANSPORTATION
CITY OF WICHITA
PAUL QUINZELMAN
455 N. MAIN ST.
WICHITA, KANSAS 67202
PHONE: (316) 268-4363
FAX: (316) 268-7761

KDOT
KDOT
SHANE PRICE
500 N. HENDRICKS
HUTCHINSON, KANSAS 67504
PHONE: (820) 963-3381
FAX: (820) 963-1804

ELECTRIC
WESTAR ENERGY
SHANE PRICE
201 N. MARKET ST.
WICHITA, KANSAS 67202
PHONE: (316) 261-6824

PUBLIC WORKS
CITY OF WICHITA
SHANE PRICE
455 N. MAIN ST.
WICHITA, KANSAS 67202
PHONE: (316) 268-4222
FAX: (316) 268-7761

NATURAL GAS
KANSAS GAS SERVICE
JIM COE
1021 EAST 28TH STREET NORTH
WICHITA, KANSAS 67219
PHONE: (316) 832-3101
FAX: (785) 575-8647

LOCATION SERVICES
KANSAS ONE CALL - KANSAS 811
8100 E 22ND ST. N. BLDG 3300
WICHITA, KANSAS 67226
PHONE: 1-800-344-7233

BENCHMARK
BM1
CHISELED CROSS ON SIDEWALK, 314' EAST AND 58' NORTH OF
SOUTH-WEST CORNER, SW1/4, SEC. 32, TWP. 26 S., R. 1 W
ELEVATION: + 1321.07

BM2
CHISELED CROSS ON TOP OF CURB, 95' EAST AND 4.4' NORTH OF
SOUTH-WEST CORNER, SW1/4, SEC. 32, TWP. 26 S., R. 1 W
ELEVATION: + 1322.18

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA
BY WICHITA WATER & SEWER DEPARTMENT,
& BY WICHITA FIRE DEPARTMENT

Engineering/Public Works *Julianne Kallman*
Stormwater *10/10/13*

NOTE TO CONTRACTORS

Inspection and testing for the waterline is 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 Professional Engineer Licensed in the state of Kansas. 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. All Construction and Materials shall comply with the City of Wichita Specifications and Standards (on file and available in the City Engineer's Office).

Private Property:
Installation and testing for the fire protection line is to be performed by a City of Wichita licensed fire protection contractor in accordance with the fire codes as adopted by the City of Wichita. All material and construction practices for the fire protection line shall comply with the fire codes as adopted by the City of Wichita (available from the City of Wichita Fire Department). The Contractor shall not commence work without notification and approval of the Wichita Fire Department. Inspection of the fire protection line is to be provided by a licensed Engineering Firm under contract with the Owner/Developer and the Fire Department. The contractor shall not start work until the project inspector is assigned to the project and present on the site. Any work done without inspection will be required to be uncovered for inspection.

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA &
BY WICHITA WATER & SEWER DEPARTMENT

Engineering/Public Works *10/10/13*
Stormwater *10/10/13*

NOTE TO CONTRACTORS

Public Property:
Inspection and testing for the waterline is 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 Professional Engineer Licensed in the state of Kansas. 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. All Construction and Materials shall comply with the City of Wichita Specifications and Standards (on file and available in the City Engineer's Office).

ALERT TO CONTRACTOR

- THE SITEWORK FOR THE WAL-MART PORTION OF THIS PROJECT SHALL MEET OR EXCEED THE SITE SPECIFIC SPECIFICATIONS.
- ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO CONTRACT COMPLETION AND THE FINAL CONNECTION OF SERVICES.

MEDIAN AGE: 33.9

ENGINEER:

KIMLEY-HORN AND ASSOCIATES, INC.
12750 MERIT DRIVE, SUITE 1000
DALLAS, TEXAS 75251
PHONE: (972) 770-1300
FAX: (972) 239-3820

DEVELOPER :
SAM'S REAL ESTATE BUSINESS TRUST
2001 S.E. 10th STREET, MAIL STOP 5570
BENTONVILLE, AR 72716-5570
PHONE: (479) 204-1195

COVER SHEET

S-01

SITE SPECIFIC NOTES:

- 1. THERE IS AN 8 FOOT CONSTRUCTION FENCE ON THE NORTH AND EAST SIDES OF THE BERMS. THERE WILL BE NO ACCESS OR CONSTRUCTION ON THE HOME OWNER'S ASSOCIATION (HOA) RESERVE OTHER THAN FOR STORM DRAINAGE CONNECTION.
- 2. HOA AND HOMEOWNERS OPPOSED THIS PROJECT.
- 3. THERE ARE TWO WELLS ON SITE THAT NEED TO BE PLUGGED. THE CLOSURE OF THESE TWO WELLS WILL REQUIRE A NOTIFICATION TO THE CITY OF WICHITA. CEC WILL SUBMIT LETTER TO CITY WHEN NOTIFIED BY THE SELECTED CONTRACTOR.
- 4. THERE IS ASBESTOS IN THE HOMES AND SOILS THAT NEED REMEDIATION.
- 5. THERE IS LEAD BASED PAINT DUST IN THE HOMES ON SITE.
- 6. IN THE PURCHASE AGREEMENT, \$16,000 IS TO BE USED FOR REMEDIATION ON THE RINK PARCEL AND \$34,000 FOR REMEDIATION ON THE TRUST PARCEL. THESE ARE SEPARATE SELLERS, SO IF CONTAMINATION WAS FOUND ON ONE PARCEL, THE CONTRACTOR CANNOT USE MONEY FROM THE OTHER PARCEL FOR REMEDIATION. THE CONTRACTOR NEEDS TO KEEP A SEPARATE ACCOUNTING OF REMEDIATION COSTS FOR EACH PARCEL.
- 7. STAKE THE 0.73 ACRE WETLAND AREA UPON ARRIVAL AT SITE.
- 8. A LIMITED SITE INVESTIGATION WAS PERFORMED BY TERRACON TO INVESTIGATE THE UNDERGROUND STORAGE TANK ON THE SITE. IN TERRACON'S OPINION THE AVAILABLE DATA DID NOT DEMONSTRATE SEVERE IMPACTS TO SITE SOIL OR GROUNDWATER AT THE LOCATIONS SAMPLED BY THE VARIOUS CONTAMINANTS ASSESSED. THE FULL FINDINGS CAN BE FOUND IN THE TERRACON LIMITED SITE INVESTIGATION REPORT DATED APRIL 26, 2013.

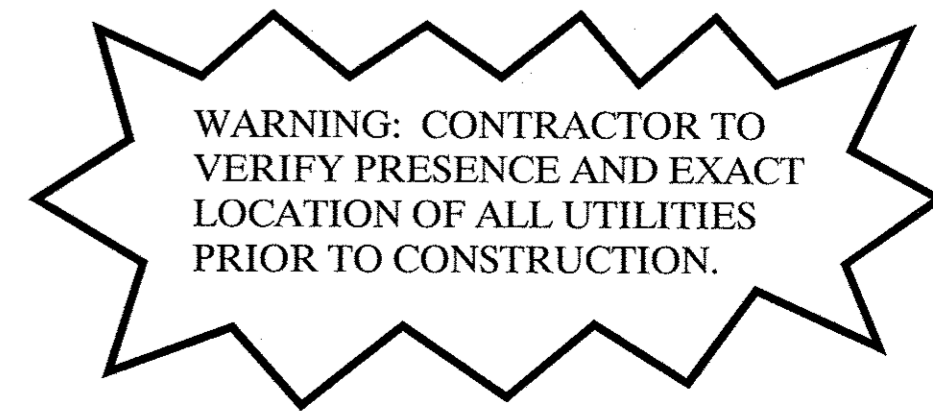
GENERAL NOTES:

- 1. CONTRACTOR WILL BE REQUIRED TO PROVIDE NOTICE TO UTILITY COMPANIES A MINIMUM OF FORTY-EIGHT (48) HOURS PRIOR TO ANY EXCAVATION AS FOLLOWS:
KANSAS ONE-CALL 687-2470
THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:
COX COMMUNICATIONS 262-4270
KANSAS GAS SERVICE COMPANY 383-8600
KANSAS GAS & ELECTRIC COMPANY 383-8650
PEOPLES GAS COMPANY 942-7600
SOUTHWESTERN BELL TELEPHONE COMPANY 1-571-2611
CITY OF WICHITA WATER DEPARTMENT 268-4898
CITY OF WICHITA SEWER DEPARTMENT 268-4071
- 2. ALL WATER MAINS AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF WICHITA, KANSAS STANDARD SPECIFICATIONS FOR WATER MAIN INSTALLATIONS NO. 14533.
- 3. OPENING AND CLOSING OF WATER VALVES SHALL BE DONE SLOWLY TO PREVENT DAMAGE TO THE WATER DISTRIBUTION SYSTEM FROM WATER HAMMER. ALL VALVES CLOSED BY THE CONTRACTOR MUST BE REOPENED AS NEW CONSTRUCTION PERMITS. PROJECT INSPECTOR MUST ASCERTAIN THAT ANY VALVE CLOSED BY THE CONTRACTOR IS REOPENED. CONTRACTOR WILL BE PERMITTED TO OPERATE WATER VALVES ONLY WHEN THE PROJECT INSPECTOR ASSIGNED TO THE PROJECT IS PRESENT.
- 4. ALL AREAS DISTURBED BY CONSTRUCTION OPERATIONS SHALL BE SEEDED WITH RYE GRASS AT A RATE OF 6 LBS. PER 1000 SQ. FEET OR AS PER CITY SPECS. CONTRACTOR TO PREPARE GROUND TO CITY SPECIFICATIONS.
- 5. UTILITY SERVICE LINES, POLES, VALVE BOXES, METERS ET CETERA ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR OR UNLESS THE PLANS SPECIFICALLY IDENTIFY A UTILITY TO BE ADJUSTED BY ITS OWNER DURING CONSTRUCTION. EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN AND SHALL BE FIELD VERIFIED. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY THAT DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.
- 6. THE WATER MAIN SHALL BE CONSTRUCTED ON THE ALIGNMENT SHOWN BY THE PLANS. TREES AND SHRUBS IN PUBLIC RIGHT-OF-WAY THAT ARE IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR WITH THE ENGINEER'S APPROVAL. TREES AND SHRUBS THAT ARE NOT IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE SAVED AND PROTECTED FROM DAMAGE.
- 7. CONTRACTOR SHALL NOT START WORK ON THE PROJECT UNTIL THE PROJECT INSPECTOR IS ASSIGNED TO THE PROJECT AND IS PRESENT ON THE SITE. ANY WORK DONE WITHOUT INSPECTION WILL BE REQUIRED TO BE UNCOVERED FOR INSPECTION.
- 8. RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND EXCESS EXCAVATION THAT IS TO BE WASTED SHALL BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR. THESE SITES SHALL BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE AND SITE LOCATION. LOCATIONS, WHICH IN THE OPINION OF THE ENGINEER WILL LEAVE AN UNSIGHTLY APPEARANCE, WILL NOT BE APPROVED. ALL DISPOSAL SITES MUST BE APPROVED BY THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT. MATERIAL EITHER STOCKPILED OR DISPOSED OF IN A FLOOD PLAIN WOULD REQUIRE A KANSAS STATE BOARD OF AGRICULTURE PERMIT. ANY MATERIAL DUMPED IN WATERS OF THE UNITED STATES OR WETLANDS IS SUBJECT TO U.S. CORPS. OF ENGINEERS PERMITTING REGULATIONS. ANY MATERIAL BURIED OR STOCKPILED BEYOND APPROVED CONSTRUCTION LIMITS WOULD REQUIRE ADDITIONAL ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.
- 9. DURING THE CONSTRUCTION OF THESE IMPROVEMENTS, ANY INTERPRETATION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR WICHITA, KANSAS, AND ANY MATTER WHICH REQUIRES THE APPROVAL OF THE OWNER, MUST BE APPROVED BY THE DIRECTOR OF PUBLIC WORKS AND TRANSPORTATION OR HIS DESIGNEE BEFORE ANY CONSTRUCTION INVOLVING THAT DECISION COMMENCES. ASSUMPTIONS ABOUT WHAT THESE DECISIONS MIGHT BE WHICH ARE MADE DURING THE BIDDING PHASE WILL HAVE NO BEARING ON THE DECISION.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO DETERMINE EXISTING CONDITIONS.
- 11. ALL EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME THE DRAWINGS WERE PREPARED AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ACCURATE. THE LOCATIONS SHOWN ARE FOR BIDDING PURPOSES ONLY. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE HE COMMENCES ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR CEC WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED BY THE CONTRACTOR AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.
- 12. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 72 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION. A LIST OF THE UTILITY COMPANIES WHICH THE CONTRACTOR MUST CALL BEFORE COMMENCING WORK IS PROVIDED ON THE COVER SHEET OF THESE CONSTRUCTION PLANS. THIS LIST SERVES AS A GUIDE ONLY AND IS NOT INTENDED TO LIMIT THE UTILITY COMPANIES WHICH THE CONTRACTOR MAY WISH TO NOTIFY.
- 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS, 3-WAY CONTRACTS, AND BONDS PRIOR TO CONSTRUCTION.
- 14. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONTRACT DOCUMENTS INCLUDING PLANS, SPECIFICATIONS AND SPECIAL CONDITIONS, COPIES OF ANY REQUIRED CONSTRUCTION PERMITS, AND EROSION CONTROL PLANS AND INSPECTION REPORTS (SWPPP).
- 15. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER & CEC BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND NOTIFICATION TO THE ENGINEER. NO CONSTRUCTION WILL BE GIVEN TO CHANGE ORDERS FOR WHICH THE OWNER AND CEC WERE NOT CONTACTED PRIOR TO CONSTRUCTION OF THE AFFECTED ITEM.
- 16. ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO WALMART AND THE CEC OF RECORD DIRECTLY FROM THE TESTING AGENCY.
- 17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE CEC AND TO CITY A CERTIFIED RECORD SURVEY SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF KANSAS DEPICTING THE ACTUAL FIELD LOCATION OF ALL CONSTRUCTED IMPROVEMENTS THAT ARE REQUIRED BY THE JURISDICTIONAL AGENCIES FOR THE CERTIFICATION PROCESS. ALL SURVEY COSTS WILL BE THE CONTRACTORS RESPONSIBILITY.
- 18. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES, JURISDICTIONAL AGENCIES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICES.
- 19. CONTRACTOR SHALL VERIFY BENCHMARKS AND DATUMS PRIOR TO COMMENCING CONSTRUCTION OR STAKING OF IMPROVEMENTS.
- 20. CONTRACTOR SHALL THOROUGHLY CHECK COORDINATION OF CIVIL, LANDSCAPE, MEP, ARCHITECTURAL, AND OTHER PLANS PRIOR TO COMMENCING CONSTRUCTION. OWNER AND CEC SHALL BE NOTIFIED OF ANY DISCREPANCY PRIOR TO COMMENCING WITH CONSTRUCTION.
- 21. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF VESTIBULES, SLOPE PAVING, SIDEWALKS, EXIT PORCHES, TRUCK DOCKS, PRECISE BUILDING DIMENSIONS, AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
- 22. ALL DIMENSIONS GIVEN ARE TO FACE OF CURB AND TO PIPE CENTERLINES, UNLESS OTHERWISE NOTED ON PLANS.
- 23. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING RELOCATIONS AND INSTALLATIONS OF FRANCHISE UTILITIES NECESSARY FOR ON AND OFF SITE CONSTRUCTION.
- 24. ON-SITE AND PERIMETER TRUCK ROUTE AND OTHER DIRECTIONAL SIGNAGE SHALL BE LOCATED OUT OF THE PEDESTRIAN, AUTOMOBILE, AND TRUCK ROUTES AND SHALL BE LOCATED BETWEEN THREE TO FIVE FEET BEHIND THE NEAREST BACK OF CURB UNLESS INDICATED OTHERWISE ON PLANS. SIGN HEIGHT, LOCATION, AND STRUCTURE SHALL BE SUCH THAT THE SIGNS POSE NO THREAT TO PUBLIC SAFETY.
- 25. ON-SITE AND PERIMETER TRUCK ROUTE AND OTHER DIRECTIONAL SIGNS SHALL BE ORIENTED SO THEY ARE READILY VISIBLE TO THE ONCOMING TRAFFIC FOR WHICH THEY ARE INTENDED. FIELD ADJUSTMENTS OF LOCATION AND ORIENTATION OF THE SIGNS ARE TO BE MADE TO ACCOMPLISH THIS.
- 26. CONTRACTOR SHALL REPLACE ANY FENCING, CURBINGS, ETC. THAT IS DESTROYED OR DAMAGED DUE TO THE CONSTRUCTION ACTIVITIES.
- 27. CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL DEVICES AND PLANS FOR ANY STREET WORK.
- 28. ALL CONTRACTORS MUST CONFINE THEIR ACTIVITIES TO THE WORK AREA. NO ENCROACHMENTS ONTO DEVELOPED OR UNDEVELOPED AREAS WILL BE ALLOWED. ANY DAMAGE RESULTING THEREFROM SHALL BE CONTRACTORS RESPONSIBILITY TO REPAIR.
- 29. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING A TRENCH SAFETY PLAN TO THE CITY OF WICHITA ENGINEERING DEPARTMENT AT THE TIME OF THE PRECONSTRUCTION MEETING, OR PRIOR TO BEGINNING CONSTRUCTION OF THESE IMPROVEMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRENCH SAFETY REQUIREMENTS IN ACCORDANCE WITH CITY STANDARDS, KANSAS STATE LAW, AND O.S.H.A. STANDARDS FOR ALL EXCAVATION IN EXCESS OF FIVE FEET IN DEPTH. NO OPEN TRENCHES WILL BE ALLOWED OVERNIGHT WITHOUT THE PRIOR SPECIFIC WRITTEN APPROVAL OF THE CITY OF WICHITA PUBLIC WORKS DEPARTMENT. ON-SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 30. LIGHT POLES AND SIGNS SHALL NOT BE PLACED IN ADA ACCESSIBLE ROUTES, ACCESSIBLE ACCESS AISLES, OR REINFORCED ZONES BEHIND RETAINING WALLS.
- 31. TO THE EXTENT IT IS PRACTICAL, CONSTRUCTION STAGING, WORKER PARKING, AND ANY OTHER POTENTIALLY NOISY OR OFFENSIVE CONSTRUCTION ACTIVITY SHOULD BE LOCATED AS FAR FROM THE RESIDENTIAL NEIGHBORS AS POSSIBLE.
- 32. CONTRACTOR SHALL KEEP THE CONSTRUCTION SITE SECURE FROM TRESPASSERS AT ALL TIMES.
- 33. CONTRACTOR SHALL CONTACT CITY BUILDING OFFICIAL TO LEARN OF ANY UNUSUAL CONSTRUCTION SEQUENCING REQUIREMENTS THAT THE CITY MAY REQUIRE. THE CONTRACTOR IS CAUTIONED THAT THIS AND PERHAPS OTHER SUCH REQUIREMENTS MAY EXIST AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO INVESTIGATE AND COMPLY WITH THEM.
- 34. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY NECESSARY FENCE OR WALL PERMITS FROM THE CITY.

PAVING, GRADING AND DRAINAGE NOTES:

- 1. ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN CITY'S RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH CITY SPECIFICATIONS AND STANDARDS. (LATEST EDITION)
- 2. ALL AREAS IN EXISTING RIGHTS-OF-WAY DISTURBED BY SITE CONSTRUCTION SHALL BE REGRADED AND LANDSCAPED OR PAVED (WHATEVER WAS THERE BEFORE DISTURBANCE). ALL DISTURBED AREAS SHALL BE REPAIRED TO THE SAME CONDITION OR BETTER THAN BEFORE AREA WAS DISTURBED.
- 3. TRAFFIC CONTROL ON ALL CITY RIGHTS-OF-WAY SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (U.S. DOT/FHA) AND THE REQUIREMENTS OF THE STATE AND ANY LOCAL AGENCY HAVING JURISDICTION. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
- 4. THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE ANY WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL EVENT UNTIL SOIL IS STABILIZED.
- 5. ALL AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AS INDICATED ON THE DRAWINGS AND THE PROJECT SPECIFICATIONS.
- 6. WHERE EXISTING PAVEMENT IS INDICATED TO BE REMOVED AND REPLACED, THE CONTRACTOR SHALL SAW CUT TO FULL DEPTH OF EXISTING PAVEMENT. CONTRACTOR SHALL PREPARE A SMOOTH SOUND VERTICAL FACE AND MATCH THE EXISTING PAVEMENT ELEVATION UNLESS OTHERWISE NOTED. CONTRACTOR SHALL INSTALL LONGITUDINAL BUTT JOINTS WHEN CONNECTING TO EXISTING CONCRETE PAVEMENT.
- 7. THE CONTRACTOR SHALL ENSURE THAT ALL PLANTING AREAS ARE NOT OVERLY COMPACTED AND DO NOT CONTAIN LIMEROCK. THE CONTRACTOR SHALL EXCAVATE AND REMOVE ALL UNDESIRABLE MATERIAL FROM ALL AREAS ON THE SITE TO BE PLANTED.
- 8. ALL DRAINAGE STRUCTURES SHALL BE DESILTED AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.
- 9. STRIP TOPSOIL AND ORGANIC MATTER AND PAVING MATERIAL FROM ALL AREAS UNDER BUILDING. TOPSOIL MAY BE STOCKPILED ON SITE FOR REPLACEMENT IN FREQUENT AREAS.
- 10. FIELD DENSITY TESTS SHALL BE TAKEN AT A FREQUENCY AS REQUIRED IN THE PROJECT SPECIFICATIONS.
- 11. BEFORE PLACING PAVEMENT, CONTRACTOR SHALL VERIFY THAT SUITABLE HANDICAPPED ROUTES (PER A.D.A.) EXIST TO AND FROM EVERY ACCESSIBLE DOOR. IN NO CASE SHALL HANICAPP RAMP SLOPES EXCEED 1 VERTICAL TO 12 HORIZONTAL. IN NO CASE SHALL SIDEWALK CROSS SLOPES EXCEED 2.0 PERCENT. IN NO CASE SHALL LONGITUDINAL SIDEWALK SLOPES EXCEED 5.0 PERCENT. CONTRACTOR SHALL CONTACT ARCHITECT AND CEC PRIOR TO PAVING IF ANY EXCESSIVE SLOPES ARE ENCOUNTERED. NO CONTRACTOR CHANGE ORDERS WILL BE ACCEPTED FOR A.D.A. AND COMPLIANCE ISSUES.
- 12. CONTRACTOR ADJUSTMENT TO SPOT GRADES TO MAINTAIN POSITIVE DRAINAGE IS ALLOWED, ONLY WITH THE PRIOR APPROVAL OF THE CEC. CONTRACTOR SHALL CONTACT THE CEC PRIOR TO PAVING IF ANY AREAS OF POOR DRAINAGE ARE ENCOUNTERED.
- 13. SPOT ELEVATIONS SHOWN ARE TO TOP OF PAVING SURFACE OR FINISHED EARTH GRADE, UNLESS NOTED OTHERWISE. WHERE APPLICABLE ADD 0.50 TO SPOT GRADES SHOWN FOR TOP OF CURB ELEVATIONS.
- 14. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED SMOOTH. THE AREAS SHALL THEN BE STABILIZED AS SPECIFIED IN THE PLANS AND MAINTAINED UNTIL SOIL IS STABILIZED IN ALL AREAS. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE JOB SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- 15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
- 16. THE CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO CONTROL TURBIDITY, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF BMPS AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK. BMPS MUST BE MAINTAINED IN EFFECTIVE CONDITION AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THEREAFTER, THE CONTRACTOR MUST REMOVE THE TEMPORARY BARRIERS. AT NO TIME SHALL THERE BE ANY OFF-SITE DISCHARGE WHICH VIOLATES LOCAL, STATE, OR FEDERAL WATER QUALITY STANDARDS.
- 17. THE CONTRACTOR MUST REVIEW AND MAINTAIN A COPY OF THE STORM WATER PERMIT COMPLETE WITH ALL CONDITIONS, ATTACHMENTS, EXHIBITS, AND PERMIT MODIFICATIONS, IN GOOD CONDITION, AT THE CONSTRUCTION SITE. THE COMPLETE PERMIT MUST BE AVAILABLE FOR REVIEW UPON REQUEST BY JURISDICTIONAL AGENCIES.
- 18. IF ANY EXISTING STRUCTURES FACILITIES, OR IMPROVEMENTS, (PUBLIC OR PRIVATE) TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE FACILITY OR IMPROVEMENT AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
- 19. REFERENCE THE SWPPP INCLUDED IN THIS PLAN SET AND IN THE PROJECT SPECIFICATIONS FOR THIS PROJECT.
- 20. CONTRACTOR SHALL REFERENCE ARCHITECT AND ELECTRICAL PLANS AND PROVIDE CONDUIT NEEDED FOR LOT LIGHTING AND SIGNAGE, PRIOR TO SITE PAVING.
- 21. PAVING LINE AND GRADE SHALL "FLUSH-OUT" ALONG ALL CONNECTIONS TO EXISTING PAVING.
- 22. ALL BENDS LESS THAN 42" DIAMETER MUST BE FACTORY MANUFACTURED BENDS.
- 23. ALL FILL SHALL BE COMPACTED TO THE FOLLOWING REQUIREMENTS AT 9-INCH (MAXIMUM) THICK LOOSE LIFTS:
 - 23.1. MOISTURE CONTENT COHESIVE SOILS WITH PI OF 35 AND HIGHER SHALL BE COMPACTED TO A DRY DENSITY OF AT LEAST 3 PERCENTAGE POINTS ABOVE THE OPTIMUM MOISTURE CONTENT VALUE AS DETERMINED BY THE STANDARD PROCTOR TEST AT THE TIME OF PLACEMENT AND COMPACTION.
 - 23.2. MOISTURE CONTENT COHESIVE SOILS WITH PI OF 25 TO 34 SHALL BE COMPACTED TO A DRY DENSITY OF AT LEAST 2 PERCENTAGE POINTS ABOVE THE OPTIMUM MOISTURE CONTENT VALUE AS DETERMINED BY THE STANDARD PROCTOR TEST AT THE TIME OF PLACEMENT AND COMPACTION.
 - 23.3. MOISTURE CONTENT COHESIVE SOILS WITH PI OF 15 TO 24 SHALL BE COMPACTED TO A DRY DENSITY ABOVE THE OPTIMUM MOISTURE CONTENT VALUE AS DETERMINED BY THE STANDARD PROCTOR TEST AT THE TIME OF PLACEMENT AND COMPACTION.
 - 23.4. MOISTURE CONTENT COHESIVE SOILS WITH PI LESS THAN 15 SHALL BE COMPACTED TO A DRY DENSITY NO DRIER THAN 2 PERCENTAGE POINTS BELOW THE OPTIMUM MOISTURE CONTENT VALUE AS DETERMINED BY THE STANDARD PROCTOR TEST AT THE TIME OF PLACEMENT AND COMPACTION.
 - 23.5. MOISTURE CONTENT GRANULAR MATERIAL SHALL BE COMPACTED TO WORKABLE MOISTURE LEVELS.
- 24. PAVING CONTRACTOR IS RESPONSIBLE FOR ALL LAY DOWN CURBS AT INTERSECTIONS WHERE BARRIER FREE RAMPS ARE TO BE CONSTRUCTED.
- 25. REFERENCE DETAIL SHEETS FOR PAVEMENT JOINT SPACING AND REQUIREMENTS.
- 26. ALL MACHINE PLACED CONCRETE SHALL BE MINIMUM 3500 PSI CONCRETE AND ALL HAND PLACED CONCRETE SHALL BE MINIMUM 4000 PSI CONCRETE.
- 27. PRIVATE STORM PIPE MATERIAL SHALL BE AS FOLLOWS FOR THOSE PORTIONS OF THE MAIN LINE AND/OR LATERALS THAT ARE OUTSIDE A PUBLIC EASEMENT, UNLESS OTHERWISE NOTED.
 - A. RCP, CLASS III
 - B. POLYVINYL CHLORIDE (PVC) PIPE PER ASTM D 3034, RATED SDR 35 OR PI SIZES EQUAL TO OR SMALLER THAN 15 INCHES.
 - C. HIGH DENSITY POLYETHYLENE PIPE (HDPE) SMOOTH INTERIOR PER AASHTO DESIGNATION M252 AND M294 TYPE S OR ASTM F 2306

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No.	Date	Revisions	App.

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WICHITA, KANSAS 67205

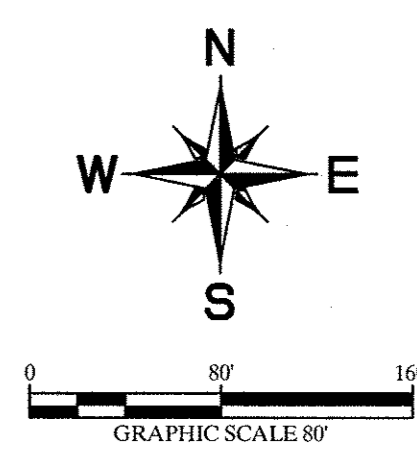
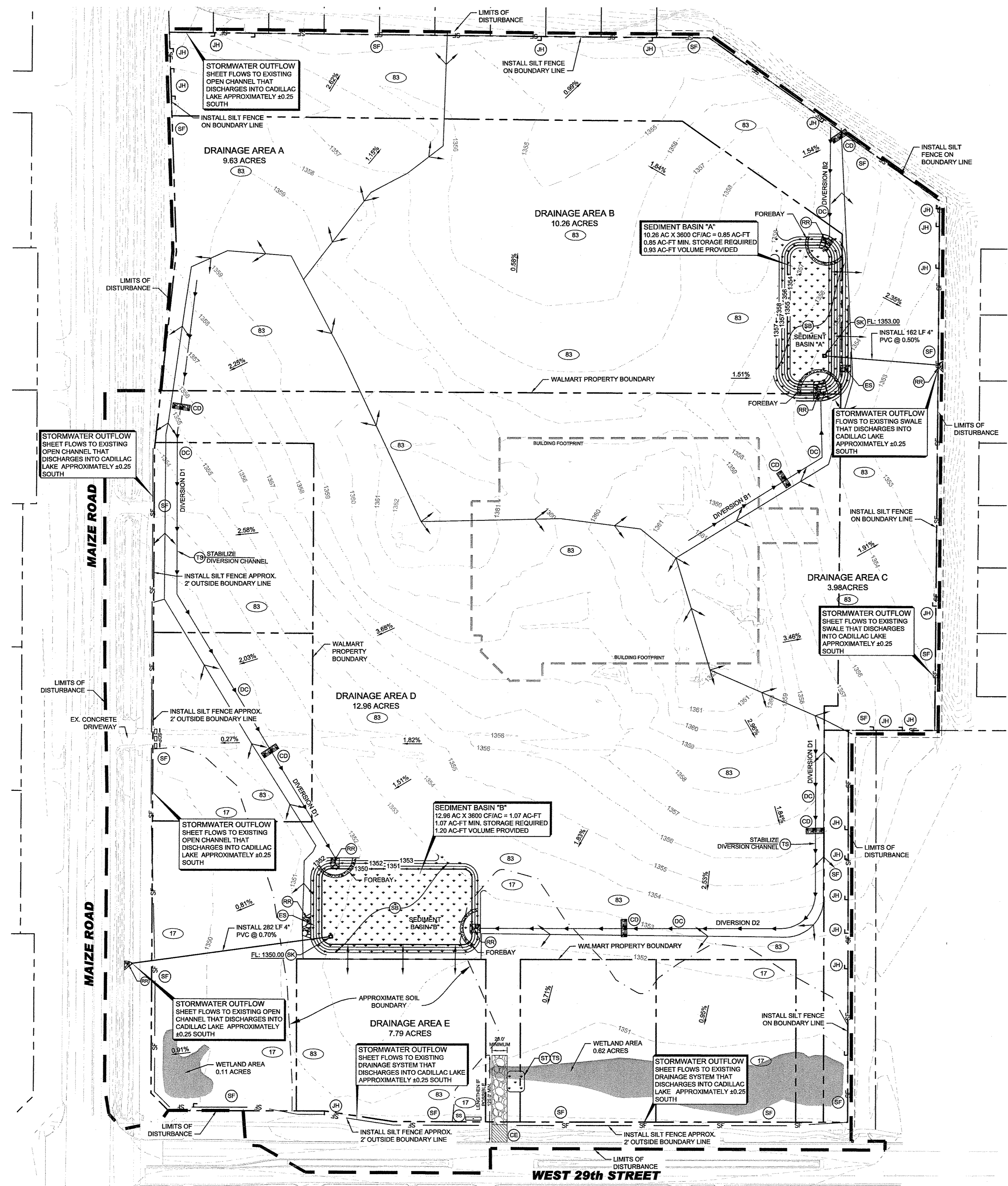
GENERAL NOTES

Scale:	AS SHOWN
Designed by:	STW
Drawn by:	STW
Checked by:	KSG
Date:	JULY 2013
Project No.:	033382230

SHEET
S-02

IMAGES XREF: 0426
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KANSAS ONE-CALL PROJECTS WICHITA, KANSAS
LAST SAVID 6/25/2013 12:31 PM
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- SITE FEATURES**
- PROPERTY LINE - WALMART PROPERTY BOUNDARY
 - EXISTING CONTOUR
 - - - - - TEMPORARY CONSTRUCTION EASEMENT
 - X.XXX% DIRECTION OF OVERLAND FLOW W/ GRADE
 - PROPOSED LIMITS OF DISTURBANCE
 - SOIL BOUNDARY
 - EXISTING STORM DRAIN
 - LIMITS OF DRAINAGE SUB-BASIN

- EROSION DETAILS**
- SF SILT FENCE
 - JH J-HOOK
 - CE TEMPORARY CONSTRUCTION EXIT
 - SS SWPPP INFORMATION SIGN
 - ST TEMPORARY SEDIMENT TRAP
 - PROVIDE BARRICADE AT ALL ENTRANCE LOCATIONS W/ TEMP STONE CONSTRUCTION EXIT
 - CD ROCK CHECK DAM
 - DC DIVERSION

- EROSION NOTES**
- 83 VANOSS SILT LOAM 1-3 PERCENT SLOPES
 - 17 WAURIKA SILT LOAM 0-1 PERCENT SLOPES
 - TS TEMPORARY SEEDING AND MULCH

SOIL BOUNDARIES SHOWN ARE BASED ON THE USDA NATURAL RESOURCES CONSERVATION SERVICE SOIL SURVEY FOR SEDGWICK COUNTY, KANSAS, DATED DECEMBER 14, 2012.

BENCHMARK

BM#1 CHISELED CROSS ON SIDEWALK, 31' EAST AND 58' NORTH OF SOUTHWEST CORNER, SW1/4, SEC. 32, TWP. 26-S, R-1-W ELEVATION = 1351.07

BM#2 CHISELED CROSS ON TOP OF CURB, 95' EAST AND 4.4' NORTH OF SOUTHWEST CORNER, SW1/4, SEC. 32, TWP. 26-S, R-1-W ELEVATION = 1352.18

SWPPP UPDATES AND AMENDMENTS

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2. ADDING/DELETING EROSION OR SEDIMENT CONTROL BMPs
3. MODIFYING THE SWPPP IMPLEMENTATION SEQUENCE; OR
4. PERFORMING ANY ACTIONS OR IN ANY MANNER THAT IS CONTRARY TO THE SWPPP.

THE CONTRACTOR MAY MODIFY OR ADD ADDITIONAL BMPs, WITHOUT CEC APPROVAL, IN AN EMERGENCY SITUATION TO PREVENT SEDIMENT DISCHARGE OR PROTECT WATER QUALITY; HOWEVER, GC MUST NOTIFY THE CEC AS SOON AS PRACTICAL AS TO THEIR ACTIONS TO DISCUSS THE NEED FOR ADDITIONAL OR SUPPLEMENTAL MEASURES AND TO OBTAIN THE REQUIRED APPROVALS. THE CONTRACTOR IS ULTIMATELY RESPONSIBLE TO ENSURE COMPLIANCE WITH THE PERMIT AND PROTECTION OF DOWNSTREAM WATER QUALITY.

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REFERENCE SHEET S-07 FOR SITE SUMMARIES AND DETAILS

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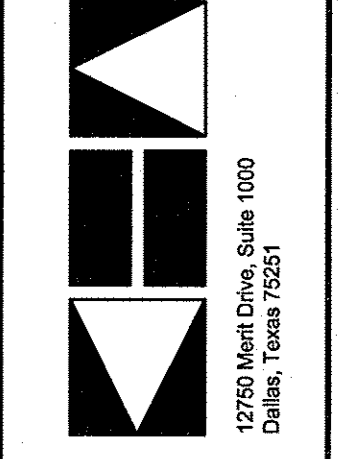
DEVELOPER/OWNER:
 SAM'S REAL ESTATE BUSINESS TRUST
 2001 SE 10TH STREET
 BENTONVILLE, AR
 72716-5570
 479-204-1195

SITE OPERATOR/GENERAL CONTRACTOR:
 SUPERINTENDENT:

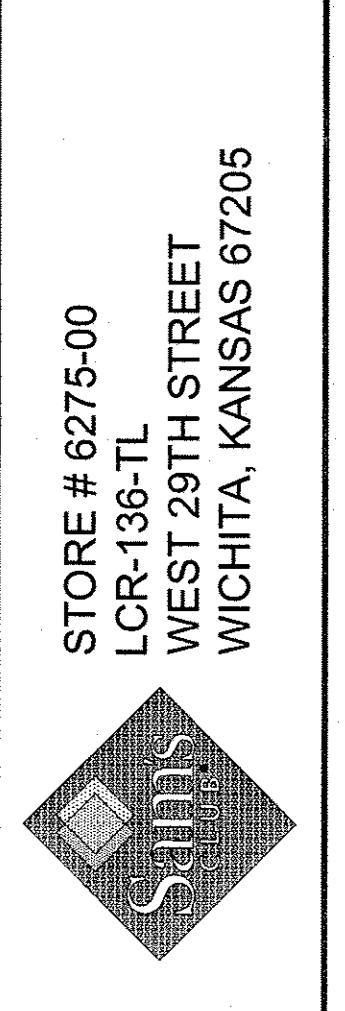
IMPORTANT: GC MUST SIGN ALL PLAN SHEETS AND ANY NEW PLAN SHEETS ISSUED BY THE CEC.

No.	Date	Revisions	App.

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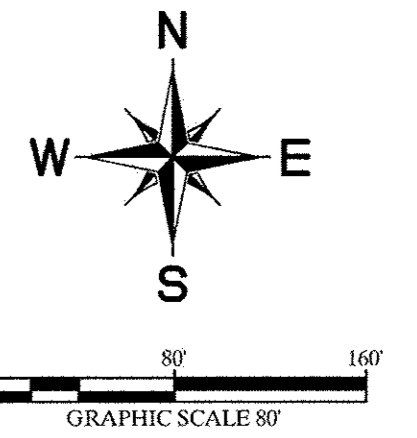
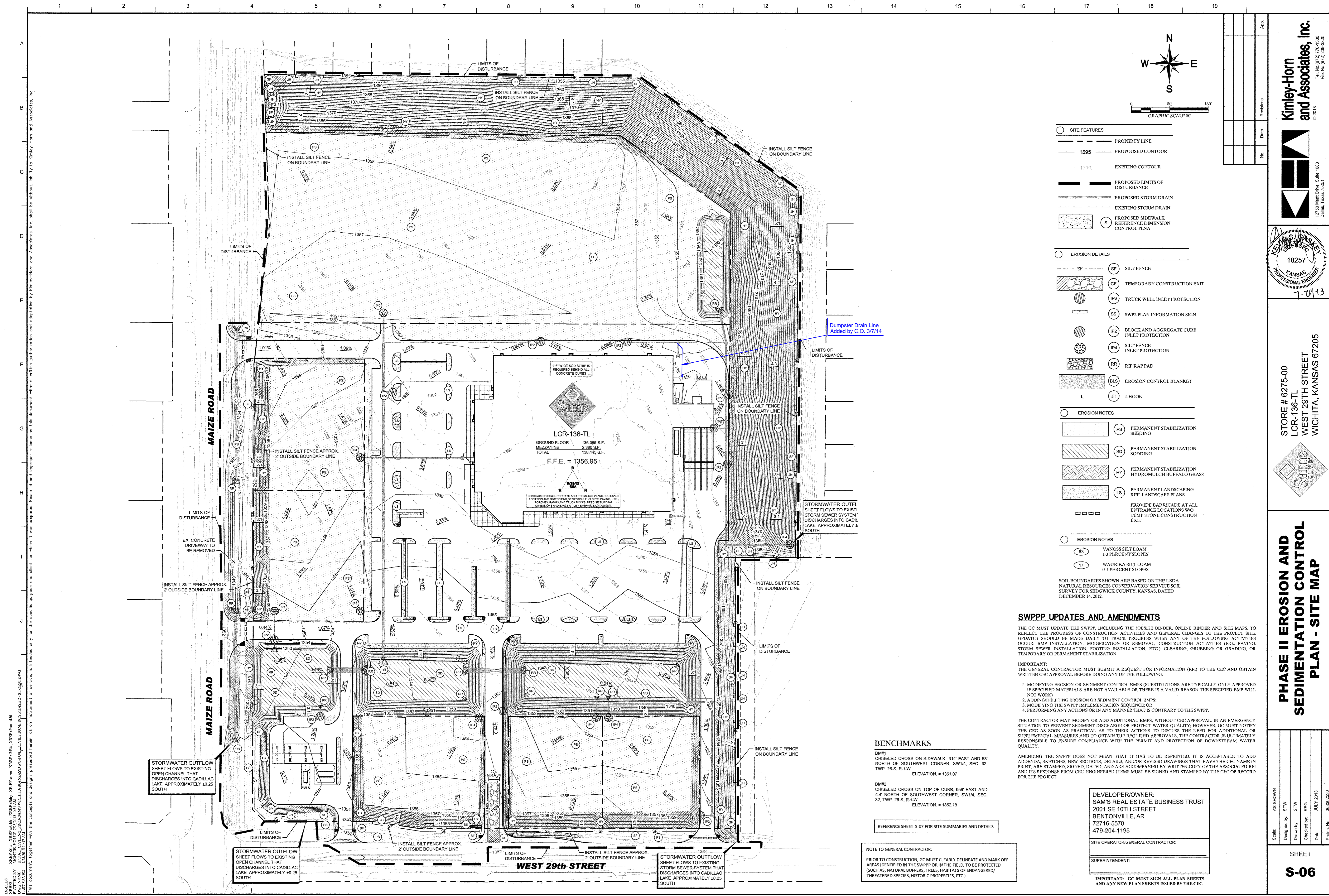
STORE # 6275-00
 LCR-136-TL
 WEST 29TH STREET
 WICHITA, KANSAS 67205



PHASE I EROSION AND SEDIMENTATION CONTROL PLAN - SITE MAP

Scale: AS SHOWN
 Designed by: STW
 Drawn by: STW
 Checked by: KSG
 Date: JULY 2013
 Project No: 063362230

SHEET
S-05



- SITE FEATURES**
- SITE FEATURES
 - PROPERTY LINE
 - 1395 PROPOSED CONTOUR
 - 1290 EXISTING CONTOUR
 - PROPOSED LIMITS OF DISTURBANCE
 - EXISTING STORM DRAIN
 - PROPOSED STORM DRAIN
 - PROPOSED SIDEWALK REFERENCE DIMENSION CONTROL PLAN
- EROSION DETAILS**
- SF SILT FENCE
 - CE TEMPORARY CONSTRUCTION EXIT
 - IPB TRUCK WELL INLET PROTECTION
 - SS SWP2 PLAN INFORMATION SIGN
 - IP2 BLOCK AND AGGREGATE CURB INLET PROTECTION
 - IP4 SILT FENCE INLET PROTECTION
 - RR RIP RAP PAD
 - BLS EROSION CONTROL BLANKET
 - JH J-HOOK
- EROSION NOTES**
- PS PERMANENT STABILIZATION SEEDING
 - SD PERMANENT STABILIZATION SODDING
 - HY PERMANENT STABILIZATION HYDROMULCH BUFFALO GRASS
 - LS PERMANENT LANDSCAPING REF. LANDSCAPE PLANS
 - PROVIDE BARRICADE AT ALL ENTRANCE LOCATIONS WHO TEMP STONE CONSTRUCTION EXIT
- EROSION NOTES**
- 83 VANOSS SILT LOAM 1-3 PERCENT SLOPES (NOT WORK)
 - 17 WAURIKA SILT LOAM 0-1 PERCENT SLOPES
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BENCHMARKS

- BM#1 CHISELED CROSS ON SIDEWALK, 314' EAST AND 51' NORTH OF SOUTHWEST CORNER, SW1/4, SEC. 32, TWP. 26-S, R-1-W
ELEVATION = 1351.07
- BM#2 CHISELED CROSS ON TOP OF CURB, 99' EAST AND 44' NORTH OF SOUTHWEST CORNER, SW1/4, SEC. 32, TWP. 26-S, R-1-W
ELEVATION = 1352.18

REFERENCE SHEET S-07 FOR SITE SUMMARIES AND DETAILS

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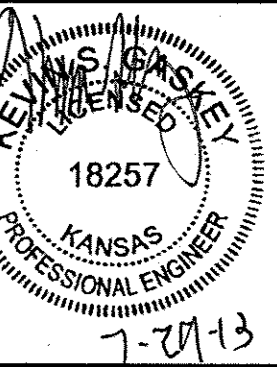
DEVELOPER/OWNER:
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2001 SE 10TH STREET
BENTONVILLE, AR
72716-5570
479-204-1195

SITE OPERATOR/GENERAL CONTRACTOR:

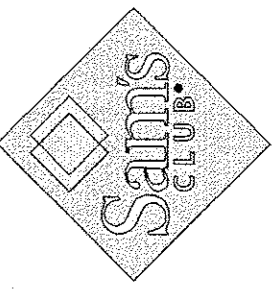
SUPERINTENDENT:

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LCR-136-TL
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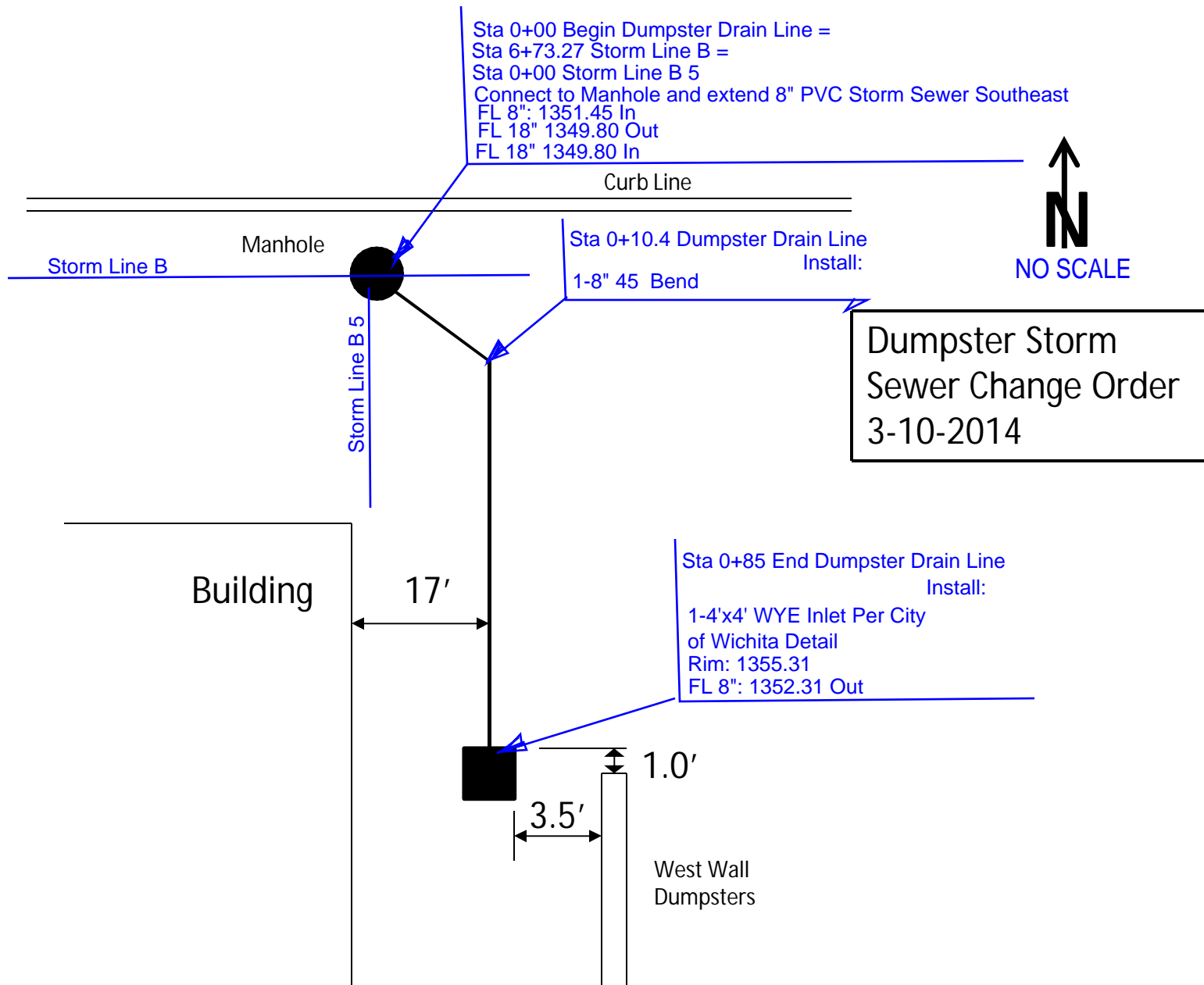


PHASE II EROSION AND SEDIMENTATION CONTROL PLAN - SITE MAP

Scale:	AS SHOWN
Designed by:	STW
Drawn by:	STW
Checked by:	KSG
Date:	JULY 2013
Project No.:	06382230

SHEET
S-06

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 SHEET NO. S-06
 DATE: JULY 2013
 DRAWN BY: STW
 CHECKED BY: KSG
 DESIGNED BY: STW
 SCALE: AS SHOWN
 PROJECT: LCR-136-TL, WEST 29TH STREET, WICHITA, KANSAS 67205



SOIL EROSION/SEDIMENTATION CONTROL OPERATION TIME SCHEDULE

NOTE: GENERAL CONTRACTOR TO COMPLETE TABLE WITH THEIR ESTIMATED PROJECT SCHEDULE

CONSTRUCTION SEQUENCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
TEMPORARY CONSTRUCTION EXITS												
TEMPORARY CONTROL MEASURES												
SEDIMENT CONTROL BASIN(S)/TRAP(S)												
STRIP & STOCKPILE TOPSOIL												
ROUGH GRADING												
STORM FACILITIES												
SITE CONSTRUCTION												
FINISH GRADING												
PERMANENT CONTROL STRUCTURES												
FOUNDATION / BUILDING CONSTRUCTION												
LANDSCAPING/SEED/FINAL STABILIZATION												

1) CONTRACTOR MUST COMPLETE TABLE WITH ESTIMATED DATES OR PROJECT ACTIVITIES PRIOR TO BMP CERTIFICATION.
2) TIME SCHEDULE MUST COINCIDE WITH THE SWPPP IMPLEMENTATION SEQUENCE.

LAST REVISED: APRIL 30, 2011
WAL-MART STANDARD DETAIL

OFF-SITE MATERIAL AREA(S) INFORMATION

BORROW SITE NAME:	DISPOSAL SITE NAME:
BORROW SITE ADDRESS:	DISPOSAL SITE ADDRESS:
BORROW SITE PERMIT HOLDER:	DISPOSAL SITE PERMIT HOLDER:
BORROW SITE PERMIT NO.:	DISPOSAL SITE PERMIT NO.:
BORROW SITE PERMITTING AGENCY:	DISPOSAL SITE PERMITTING AGENCY:

1) CONTRACTOR SHALL FILL IN BORROW AND/OR DISPOSAL INFORMATION ABOVE.
2) BORROW AND DISPOSAL INFORMATION IS NEEDED FOR SOIL FILL AND SPOIL MATERIALS ONLY.
3) CONTRACTOR SHALL STATE "N/A" IF ONE OR BOTH ARE NOT REQUIRED FOR PROJECT.
4) CONTRACTOR SHALL UPDATE AND SHOW LOCATION OF OFF-SITE MATERIAL AREA(S) NEXT TO SITE MAP(S) ON WALL.

LAST REVISED: APRIL 30, 2011
WAL-MART STANDARD DETAIL

ACREAGE SUMMARY (IN ACRES)

1	SAM'S PROPERTY AREA	17
2	PERMITTED AREA WITHIN SAM'S PROPERTY	17
3	PERMITTED AREA OUTSIDE OF SAM'S PROPERTY	24
4	TOTAL PERMITTED PROJECT AREA	41
5	IMPERVIOUS AREA AT COMPLETION	16
6	PERVIOUS AREA AT COMPLETION	25

LAST REVISED: JUNE 2012
WALMART MODIFIED DETAIL

OFF-SITE RUN-ON SUMMARY

OFF-SITE DRAINAGE AREA	FLOW (CFS)	AREA (ACRES)	AVERAGE SLOPE	MAXIMUM SLOPE	COVER TYPE
NO OFF-SITE RUN-ON	-	-	-	-	-

LAST REVISED: JUNE 2012
WAL-MART STANDARD DETAIL

RUNOFF COEFFICIENT SUMMARY

PRE-CONSTRUCTION SCS TR-55 CURVE NUMBER:	CN = 73.6
POST-CONSTRUCTION RUNOFF COEFFICIENT [OR SCS TR-55 CURVE NUMBER]:	"c" = 0.9

LAST REVISED: JUNE 2012
WAL-MART MODIFIED DETAIL

SITE LOCATION SUMMARY

ADDRESS:	NEC OF W. 29TH STREET AND MAIZE RD., WICHITA, KS 67205
CENTER OF SITE:	
LATITUDE:	N37° 44' 21.174", N35.739215
LONGITUDE:	W97° 27' 37.843", W97.460512
ADJACENT SURROUNDING PROPERTIES:	RESIDENTIAL STRUCTURES ARE LOCATED ADJACENT NORTH AND EAST OF THE SITE. WEST 29TH ST. N. FOLLOWED BY A RESIDENTIAL STRUCTURE IS LOCATED ADJACENT SOUTH OF THE SITE. NORTH MAIZE RD. FOLLOWED BY RESIDENTIAL STRUCTURES IS LOCATED ADJACENT WEST OF THE SITE.

LAST REVISED: JUNE 2012
WAL-MART STANDARD DETAIL

SITE TOPOGRAPHY SUMMARY

LOWEST ELEVATION OF PROJECT SITE:	1349.2
HIGHEST ELEVATION OF PROJECT SITE:	1362
PERCENT SLOPE VARIATION:	SLOPE VARIES FROM 0.50% TO 4.20% DOWNWARD TO THE SOUTHEAST
TOPOGRAPHY CHANGES:	FILL WILL BE ADDED TO THE SITE
VEGETATION:	THE SITE IS PRIMARILY CULTIVATED AGRICULTURAL LAND. THERE ARE SOME TREES/SHRUBS IN AN AREA THAT IS GRASSED OR BARE EARTH. CROP STUBBLE (MILO) TYPICALLY FOUND IN THE FIELDS.

LAST REVISED: JUNE 2012
WAL-MART STANDARD DETAIL

SITE SOILS SUMMARY

SOIL TYPE AND TEXTURE:	BASED ON THE GEOTECHNICAL ENGINEERING REPORT BY TERRACON CONSULTANTS, INC. PREPARED OCTOBER 15, 2012 (TERRACON PROJECT NO. 01125147), SOILS CAN BE GENERALLY CLASSIFIED AS LEAN TO FAT CLAY OR SANDY LEAN CLAY WITH MEDIUM PLASTICITY OR FAT CLAY WITH HIGH PLASTICITY.
AVERAGE DEPTH OF TOPSOIL:	BASED ON THE GEOTECHNICAL ENGINEERING REPORT BY TERRACON CONSULTANTS, INC. PREPARED OCTOBER 15, 2012 (TERRACON PROJECT NO. 01125147), AVERAGE DEPTH OF TOPSOIL IS 1'.
AVERAGE DEPTH TO GROUNDWATER:	BASED ON THE GEOTECHNICAL ENGINEERING REPORT BY TERRACON CONSULTANTS, INC. PREPARED OCTOBER 15, 2012 (TERRACON PROJECT NO. 01125147), THERE WAS NO GROUNDWATER OBSERVED IN TYPICAL BORING DEPTH TO 20'. GROUNDWATER WAS ONLY OBSERVED IN THE DEEPEST BORING TO 32'

LAST REVISED: JUNE 2012
WAL-MART STANDARD DETAIL

SITE RAINFALL SUMMARY

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
AVGERAGE RAINFALL IN INCHES	0.84	1.02	2.71	2.57	4.16	4.25	3.31	2.94	2.96	2.45	1.82	1.35

THE TOTAL AVERAGE ANNUAL RAINFALL FOR THE PROJECT AREA IS: 30.38 INCHES
THE DESIGN RAIN EVENT FOR THE PROJECT IS: 6.09 IN/HR (10 YEAR STORM)

LAST REVISED: JUNE 2012
WAL-MART STANDARD DETAIL

VEGETATED STRIPS OR BUFFERS

BUFFER NAME	BUFFER AREA (ACRES) - INCLUDE ORIENTATION DESCRIPTION AND RELATIONSHIP TO WATERS OF THE US
NO BUFFERS	

NOTES:
1. PRESERVE VEGETATED AREAS THROUGHOUT THE CONSTRUCTION PROJECT. ESTABLISH VEGETATION IN DISTURBED AREAS PER STABILIZATION DETAILS.
2. DELINEATE AND PROTECT VEGETATED STRIPS OR BUFFERS PRIOR TO EARTH DISTURBING ACTIVITIES.
3. INSPECT VEGETATED STRIPS OR BUFFERS AS REQUIRED.

LAST REVISED: JUNE 2012
WAL-MART STANDARD DETAIL

NOTES:

- VERIFY WITH CEC WHICH DISCHARGES FROM DEWATERING ACTIVITIES ARE ALLOWED OR ARE NOT ALLOWED NON-STORMWATER DISCHARGES UNDER THE GENERAL PERMIT AND OTHER REGULATIONS. OBTAIN ALL DEWATERING PERMITS AND AUTHORIZATIONS REQUIRED BY STATE AND LOCAL REGULATIONS. SEE THE REQUIRED DEWATERING PERMITS AND AUTHORIZATIONS TABLE BELOW. GC MUST COMPLETE COLUMNS 3 AND 4.
- GC MUST WAIT TO HAVE WRITTEN COPY OF ALL REQUIRED DEWATERING PERMITS AND AUTHORIZATIONS BEFORE PERFORMING DEWATERING ACTIVITIES.
- DISCHARGES FROM DEWATERING OPERATIONS MUST BE DIRECTED THROUGH AN APPROPRIATE POLLUTION PREVENTION/TREATMENT SYSTEM OF CONTROL MEASURES, SUCH AS A SEDIMENT/FILTER BAG, SEDIMENT TRAP OR SEDIMENT BASIN, AND OTHERS, AS NEEDED, PRIOR TO BEING DISCHARGED FROM THE SITE OR INTO A WATER BODY OF THE STATE. UNDER NO CIRCUMSTANCES ARE DISCHARGES FROM DEWATERING OPERATIONS TO BE DISCHARGED DIRECTLY INTO SANITARY SEWER SYSTEMS, STREAMS, RIVERS, LAKES OR OTHER AREAS BEYOND THE PERMITTED PROJECT AREA. LIKEWISE, DISCHARGES INTO STORM SEWER SYSTEMS THAT DO NOT DRAIN TO A SUITABLE ON-SITE TREATMENT FACILITY, SUCH AS A BASIN, ARE ALSO PROHIBITED. DISCHARGES FROM DEWATERING OPERATIONS MUST ALSO BE CONDUCTED IN A MANNER SUFFICIENT TO PREVENT EROSION FROM THE DISCHARGE RUNOFF.
- IN SEDIMENT TRAP OR BASIN OR POND DEWATERING OPERATIONS, WATER MUST ONLY BE REMOVED FROM THE SURFACE OF THE CONTAINED WATER. A SKIMMER OR SIMILAR FLOATING DEVICE MUST BE USED, TO ONLY REMOVE THE WATER AT THE SURFACE.
- DO NOT DISCHARGE ON A SLOPE GREATER THAN THREE PERCENT NOR WITHIN 20 FEET OF A SURFACE WATER BODY.
- DEWATERING SHALL NOT OCCUR DURING OR IMMEDIATELY AFTER PRECIPITATION EVENTS, BUT EXCEPTIONS SHALL BE EVALUATED ON CASE BY CASE BASIS. CONTACT THE CEC AND RECEIVE WRITTEN APPROVAL.

DEWATERING ACTIVITIES IN THIS PROJECT ARE RESTRICTED UNDER THE NPDES AUTHORIZATION AND THE CONDITIONS OF THE CONSTRUCTION GENERAL PERMIT

REQUIRED DEWATERING PERMITS AND AUTHORIZATIONS			
1	2	3	4
GOVERNING AGENCY	PERMIT NAME/TYPE	PERMIT NO. (GC TO COMPLETE)	DATE PERMIT WAS ISSUED BY AGENCY (GC TO COMPLETE)

LAST REVISED: JUNE 2012
WAL-MART STANDARD DETAIL

DW DEWATERING N.T.S.

NOTES:

- IMPORTANT: GC SHALL NOT APPLY FLOCCULANTS WITHOUT PREVIOUS REVIEW AND WRITTEN CONFIRMATION BY CEC. FLOCCULANTS MUST BE USED ONLY IN LOCATIONS SHOWN ON THE SWPPP MAPS, AT RATES AND METHODS SPECIFIED AND AS APPROVED BY CEC. CEC SHALL CONFIRM WHETHER TO FOLLOW MANUFACTURER DIRECTION, OR MODIFY MANUFACTURER'S DIRECTION.
- FLOCCULANTS SHALL BE USED AS FAR UPSTREAM OF BASINS, TRAPS, TANKS, OR OTHER WATER CONTAINMENT AREAS AS POSSIBLE. THE EFFECTIVENESS OF FLOCCULANTS DEPENDS ON THE TRAVEL TIME AND AGITATION OF THE WATER, FOR PROPER MIXING.
- ALL SEDIMENTATION/SETTLING MUST OCCUR WITHIN THE LOD. THAT IS, VELOCITY OF FLOW IN WATER CONTAINMENT SHOULD BE NEAR ZERO, AND THE TIME OF RESIDENCE AS LONG AS POSSIBLE.
- FLOC BLOCKS, FLOCCULANT-IMPREGNATED WATTLES, AND ANY OTHER CONTROL MEASURES WHICH SUPPLY FLOCCULANTS MUST BE REGULARLY INSPECTED AND MAINTAINED, AS ARE ALL OTHER CONTROL MEASURES.
- STANDARD EROSION AND SEDIMENT CONTROLS ARE REQUIRED BOTH PRIOR TO AND AFTER CHEMICAL TREATMENT IN ACCORDANCE WITH THE SWPPP PLANS.

CHEMICALLY-ENHANCED SETTLING PASSIVE TREATMENT SYSTEMS
CES N.T.S.

LAST REVISED: JUNE 2012
WAL-MART STANDARD DETAIL

DEVELOPER/OWNER:
SAM'S REAL ESTATE BUSINESS TRUST
2001 SE 10TH STREET
BENTONVILLE, AR
479-204-1195

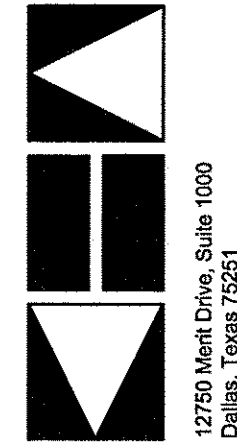
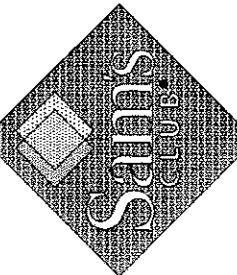
SITE OPERATOR/GENERAL CONTRACTOR:

SUPERINTENDENT:

IMPORTANT: GC MUST SIGN ALL PLAN SHEETS AND ANY NEW PLAN SHEETS ISSUED BY THE CEC.

EROSION AND SEDIMENTATION CONTROL DETAILS

STORE # 6275-00
LCR-136-TL
WEST 29TH STREET
WICHITA, KANSAS 67205



Kimley-Horn and Associates, Inc.
12769 Maize Circle, Suite 1000
Chickasha, Texas 75281
Tel. No. 972.776.4400
Fax No. 972.726.3920
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Scale: AS SHOWN
Designed by: STW
Drawn by: STW
Checked by: KSG
Date: JULY 2013
Project No.: 08336220

SHEET

S-07

LAST REVISED:	WAL-MART MODIFIED DETAIL
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- NOTES:
- ALL ON-SITE TOPSOIL MUST BE PRESERVED FOR REUSE ON THE SITE DURING REVEGETATION, UNLESS IT IS INFEASIBLE OR UNREASONABLE TO DO SO. NOTE: TOPSOIL STOCKPILING ON-SITE MAY BE INFEASIBLE IF SPACE IS NOT AVAILABLE ON-SITE FOR TOPSOIL STOCKPILING OR IF LITTLE TO NO VEGETATION IS TO REMAIN UNDER POST-CONSTRUCTION CONDITIONS. STOCKPILING OF TOPSOIL AT AN OFF-SITE LOCATION OR TRANSFER OF TOPSOIL TO OTHER LOCATIONS MAY ALSO BE ACCEPTABLE BUT MUST BE AUTHORIZED BY THE CEC.
 - ALL SOIL STOCKPILES MUST BE STABILIZED TO PREVENT EROSION AND FLUCTIVE DUST. THE SURFACE OF THE STOCKPILE MUST BE PROPERLY PROTECTED TO ELIMINATE THE RISK OF EROSION. SEE TEMPORARY SEEDING OR STABILIZATION DETAIL. SUITABLE ALTERNATIVE MEANS OF STABILIZATION CAN BE USED, SUCH AS PROPERLY ANCHORED PLASTIC TARPS.
 - PERIMETER SEDIMENT CONTROLS ALSO MUST BE INSTALLED AT STOCKPILE LOCATIONS TO PREVENT CONTACT WITH STORMWATER, INCLUDING RUN-ON.
 - STOCKPILES MUST BE LOCATED OUTSIDE OF ANY VEGETATED BUFFER AREAS AND SHOULD BE LOCATED AS FAR AS PRACTICABLE FROM STORMWATER CONVEYANCES AND IMPOUNDMENTS AND WATER BODIES.
 - STOCKPILE LOCATIONS SHALL BE NOTED ON THE SITE MAPS.

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SP STOCKPILES
 N.T.S.

- NOTES:
- USING WATER FROM BASINS, TRAPS, TANKS, OR OTHER WATER CONTAINMENT AREAS FOR IRRIGATION MINIMIZES DISCHARGES FROM THE SITE, AND IT MAY SATISFY OTHER NEEDS OF THE CONSTRUCTION PROJECT, SUCH AS DUST CONTROL, VEGETATIVE ESTABLISHMENT, ETC.
 - CARE SHOULD BE TAKEN THAT WATER UTILIZED FROM CONTAINMENT AREAS ON-SITE FOR CONSTRUCTION PURPOSES DOES NOT DISCHARGE OFF-SITE. IF DISCHARGE IS ANTICIPATED OR OBSERVED, DEWATERING PROCEDURES STATED IN THE DEWATERING DETAIL MUST BE FOLLOWED.
 - GC SHALL IMPLEMENT IRRIGATION OR DISPERSION AS PRACTICABLE TO REDUCE WATER VOLUME IN IMPOUNDMENTS AND TO FOSTER VEGETATION GROWTH.

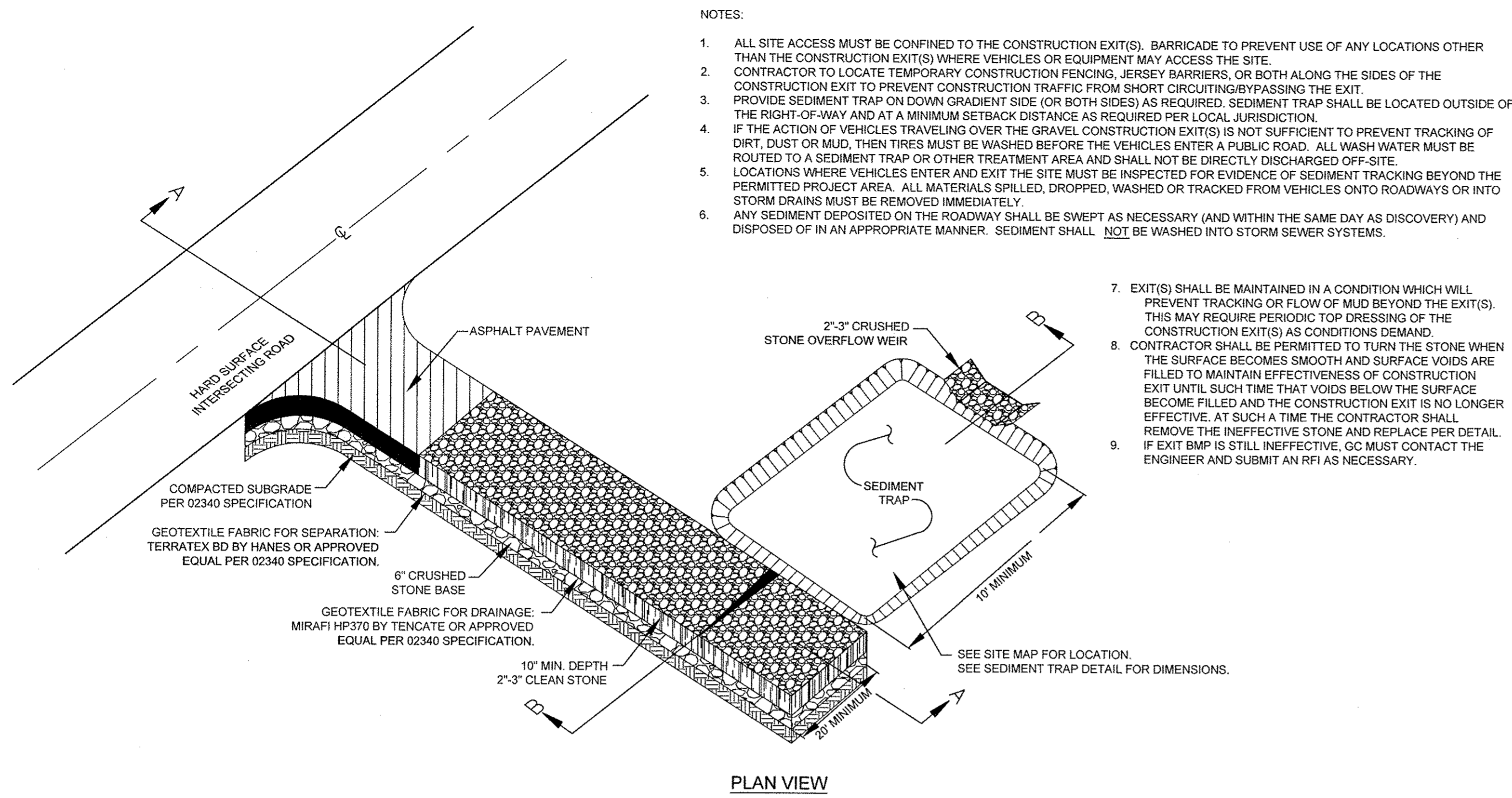
LAST REVISED:	WAL-MART STANDARD DETAIL
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ID IRRIGATION OR DISPERSION
 N.T.S.

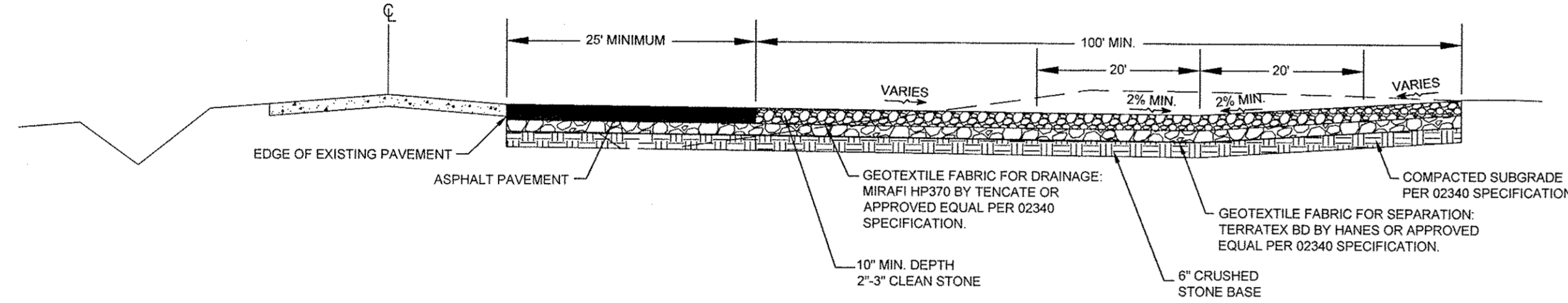
- NOTES:
- CONSIDERATION MUST BE GIVEN TO ANTICIPATED CLIMATE AND SEASONAL CONDITIONS WHEN PLANTING SEED.
 - SEED SHALL BE FREE OF WEEDY SPECIES AND APPROPRIATE FOR SITE SOILS AND REGIONAL CLIMATE. SEED AND MULCH PER THE CONSTRUCTION DRAWINGS AND THE 02900 PLANTING SPECIFICATION IMMEDIATELY AFTER TOPSOIL IS APPLIED AND FINAL GRADE IS REACHED.
 - THE SITE HAS ACHIEVED FINAL STABILIZATION ONCE ALL AREAS ARE COVERED WITH BUILDING FOUNDATION OR PAVEMENT, OTHER LANDSCAPING COVER (STONE, MULCH, ETC.), OR HAVE A STAND OF GRASS WITH A MINIMUM OF 70 PERCENT DENSITY OVER THE ENTIRE VEGETATED AREA, OR GREATER IN ACCORDANCE WITH THE GENERAL PERMIT REQUIREMENTS.
 - VEGETATED AREAS MUST BE WATERED, FERTILIZED, AND RESEEDED AS NEEDED TO ACHIEVE THIS REQUIREMENT.
 - THE VEGETATIVE DENSITY MUST BE MAINTAINED THROUGH PROJECT COMPLETION TO BE CONSIDERED STABILIZED. AREAS PROTECTED BY EROSION CONTROL BLANKETS ARE NOT PERMANENTLY STABILIZED UNTIL THE APPLICABLE GENERAL PERMIT REQUIREMENT FOR FINAL VEGETATIVE DENSITY IS ACHIEVED.
 - RIP-RAP, MULCH, GRAVEL, DECOMPOSED GRANITE OR OTHER EQUIVALENT PERMANENT STABILIZATION MEASURES MAY BE EMPLOYED IN LIEU OF VEGETATION BASED ON SITE-SPECIFIC CONDITIONS, DESIGN AND GOVERNING AUTHORITY APPROVAL.
 - ALL SEEDING AREAS SHALL BE INSPECTED REGULARLY TO CONFIRM THAT A HEALTHY STAND OF GRASS IS MAINTAINED.

SVR SEEDING/VEGETATION REQUIREMENTS
 N.T.S.

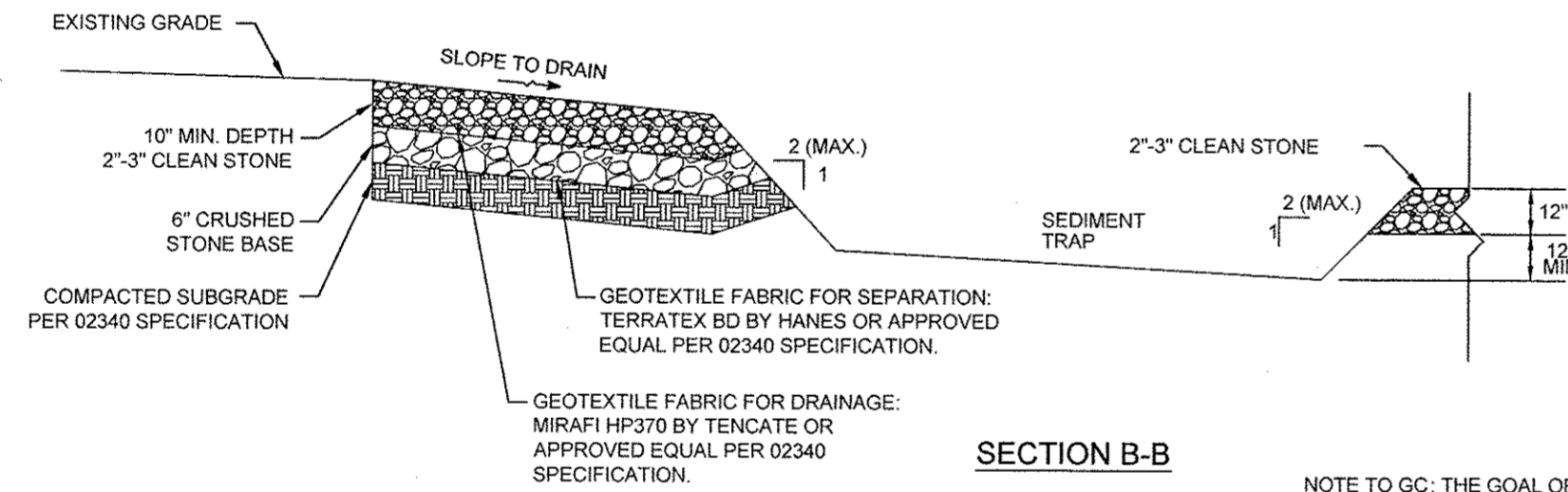
LAST REVISED:	WAL-MART STANDARD DETAIL
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PLAN VIEW



SECTION A-A



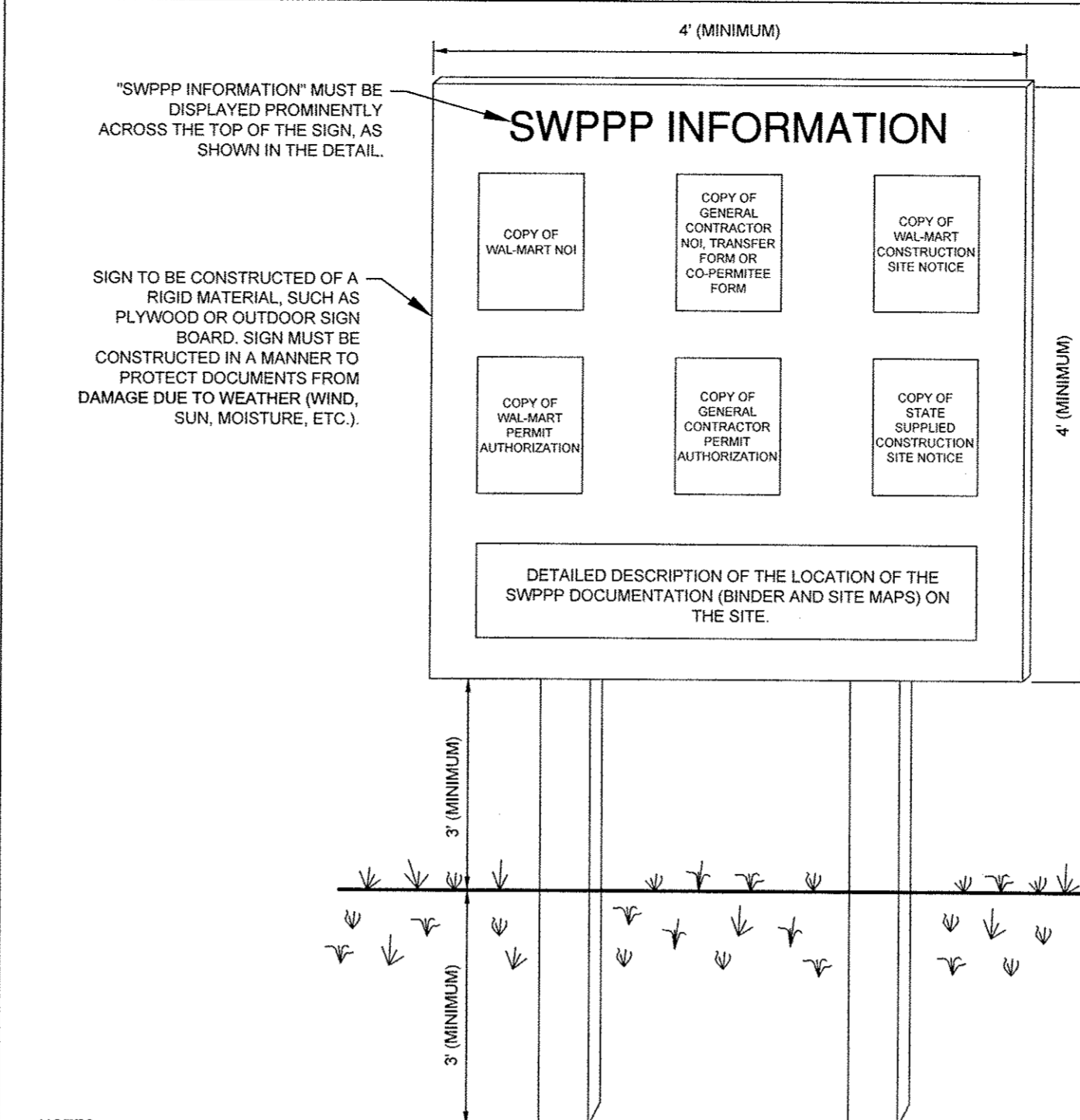
SECTION B-B

NOTE TO GC: THE GOAL OF A CONSTRUCTION EXIT AND ASSOCIATED WHEEL WASH AREAS IS TO ELIMINATE TRACK OUT. SIMPLY MANAGING TRACK OUT THROUGH DESIGNATED OR CONTINUOUS STREET SWEEPING IS NOT AN ACCEPTABLE PRACTICE. WHILE STREET SWEEPING IS AN ACCEPTABLE PRACTICE FOR REMOVING DUST AND MINIMAL AMOUNTS OF FINE SEDIMENT, OBSERVABLE TRACK OUT FROM THE PROJECT SHOULD TRIGGER THE USE OF ADDITIONAL MEASURES (WHEEL WASH), CONSIDERATION OF ALTERNATE EXITS, OR DISCONTINUING VEHICLE TRAFFIC UNTIL CONDITIONS ON-SITE HAVE IMPROVED. TRACK OUT IS A SEDIMENT RELEASE. ALL SEDIMENT RELEASES MUST BE REPORTED TO THE SWCT VIA THE ONLINE CRITICAL INCIDENT REPORT.

CE CONSTRUCTION EXIT
 N.T.S.

- NOTES:
- ALL SITE ACCESS MUST BE CONFINED TO THE CONSTRUCTION EXIT(S). BARRICADE TO PREVENT USE OF ANY LOCATIONS OTHER THAN THE CONSTRUCTION EXIT(S) WHERE VEHICLES OR EQUIPMENT MAY ACCESS THE SITE.
 - CONTRACTOR TO LOCATE TEMPORARY CONSTRUCTION FENCING, JERSEY BARRIERS, OR BOTH ALONG THE SIDES OF THE CONSTRUCTION EXIT TO PREVENT CONSTRUCTION TRAFFIC FROM SHORT CIRCUITING BY PASSING THE EXIT.
 - PROVIDE SEDIMENT TRAP ON DOWN GRADIENT SIDE (OR BOTH SIDES) AS REQUIRED. SEDIMENT TRAP SHALL BE LOCATED OUTSIDE OF THE RIGHT-OF-WAY AND AT A MINIMUM SETBACK DISTANCE AS REQUIRED PER LOCAL JURISDICTION.
 - IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION EXIT(S) IS NOT SUFFICIENT TO PREVENT TRACKING OF DIRT, DUST OR MUD, THEN TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. ALL WASH WATER MUST BE ROUTED TO A SEDIMENT TRAP OR OTHER TREATMENT AREA AND SHALL NOT BE DIRECTLY DISCHARGED OFF-SITE.
 - LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE MUST BE INSPECTED FOR EVIDENCE OF SEDIMENT TRACKING BEYOND THE PERMITTED PROJECT AREA. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
 - ANY SEDIMENT DEPOSITED ON THE ROADWAY SHALL BE SWEEP AS NECESSARY (AND WITHIN THE SAME DAY AS DISCOVERY) AND DISPOSED OF IN AN APPROPRIATE MANNER. SEDIMENT SHALL NOT BE WASHED INTO STORM SEWER SYSTEMS.
 - EXIT(S) SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD BEYOND THE EXIT(S). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION EXIT(S) AS CONDITIONS DEMAND.
 - CONTRACTOR SHALL BE PERMITTED TO TURN THE STONE WHEN THE SURFACE BECOMES SMOOTH AND SURFACE VOIDS ARE FILLED TO MAINTAIN EFFECTIVENESS OF CONSTRUCTION EXIT UNTIL SUCH TIME THAT VOIDS BELOW THE SURFACE BECOME FILLED AND THE CONSTRUCTION EXIT IS NO LONGER EFFECTIVE. AT SUCH A TIME THE CONTRACTOR SHALL REMOVE THE INEFFECTIVE STONE AND REPLACE PER DETAIL.
 - IF EXIT BMP IS STILL INEFFECTIVE, GC MUST CONTACT THE ENGINEER AND SUBMIT AN RFI AS NECESSARY.

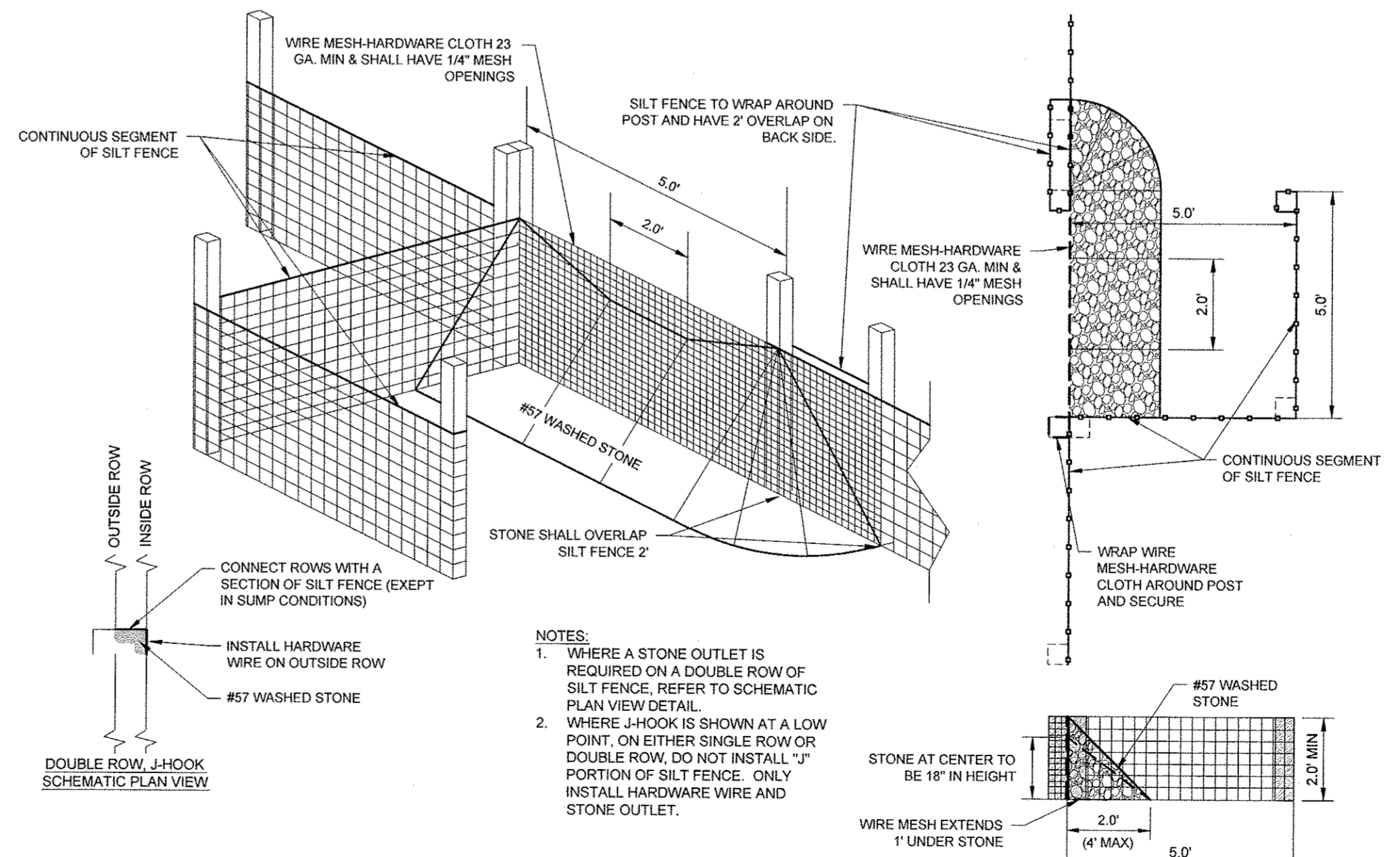
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- NOTES:
- THE SWPPP INFORMATION SIGN MUST BE LOCATED IN A PROMINENT, PUBLICLY ACCESSIBLE LOCATION NEAR THE MAIN ENTRANCE OF THE SITE, SUCH THAT THE DOCUMENTATION CAN BE READ WITHOUT ACCESSING THE JOBSITE, BUT NOT OBSTRUCTING VIEWS AS TO CAUSE A TRAFFIC SAFETY HAZARD.
 - ALL POSTED DOCUMENTS MUST BE MAINTAINED IN A CLEARLY READABLE CONDITION AT ALL TIMES THROUGHOUT CONSTRUCTION AND UNTIL THE NOTICE-OF-TERMINATION (NOT) IS FILED FOR THE PERMIT.
 - ALL PAGES OF NOTICES OF INTENT AND PERMIT AUTHORIZATIONS MUST BE POSTED. THE CONTRACTOR MAY UTILIZE ACCESSIBLE WATERPROOF FOLDERS TO STORE THESE DOCUMENTS IF IT WILL BE DIFFICULT TO POST ALL PAGES INDIVIDUALLY.
 - CONTRACTOR SHALL POST OTHER STORMWATER AND/OR EROSION AND SEDIMENT CONTROL RELATED PERMITS ON THE SIGN AS REQUIRED BY THE GOVERNING AGENCIES.
 - SUBSEQUENT PERMIT MODIFICATION REQUESTS OR RENEWAL APPLICATIONS AND THEIR ASSOCIATED AUTHORIZATIONS OR RESPONSES SHALL BE POSTED ON THE SWPPP SIGN.
 - SIGN SHALL BE LOCATED OUTSIDE OF PUBLIC RIGHT-OF-WAY AND EASEMENTS UNLESS APPROVED BY THE GOVERNING AGENCY.
 - CONTRACTOR IS RESPONSIBLE FOR ENSURING STABILITY OF THE SWPPP INFORMATION SIGN.

SS SWPPP INFORMATION SIGN
 N.T.S.

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- NOTES:
- WHERE A STONE OUTLET IS REQUIRED ON A DOUBLE ROW OF SILT FENCE, REFER TO SCHEMATIC PLAN VIEW DETAIL.
 - WHERE J-HOOK IS SHOWN AT A LOW POINT, ON EITHER SINGLE ROW OR DOUBLE ROW, DO NOT INSTALL "J" PORTION OF SILT FENCE. ONLY INSTALL HARDWARE WIRE AND STONE OUTLET.

LAST REVISED:	CEC STANDARD DETAIL
FEB. 2013	

JH SILT FENCE WITH J-HOOK STONE OUTLET
 N.T.S.

- NOTES:
- PERMANENT STABILIZATION SHALL BE ACCOMPLISHED IN ALL DISTURBED AREAS BY COVERING THE SOIL WITH PAVEMENT, BUILDING STRUCTURES, VEGETATION, OR OTHER FORMS OF SOIL STABILIZATION.
 - THE GC IS REQUIRED TO INITIATE PERMANENT SOIL STABILIZATION MEASURES IMMEDIATELY UPON REACHING FINAL GRADE. FOR THOSE AREAS NOT AT FINAL GRADE THAT WILL NOT BE DISTURBED FOR GREATER THAN 14 DAYS, THE CONTRACTOR SHOULD INITIATE TEMPORARY STABILIZATION PER THE TEMPORARY SEEDING OR STABILIZATION DETAIL.
 - THE GC HAS 7 DAYS FROM INITIATION OF STABILIZATION TO COMPLETE SOIL PREPARATION, SEEDING, MULCHING, AND ANY OTHER REQUIRED ACTIVITIES RELATED TO THE PLANTING AND ESTABLISHMENT OF VEGETATION. THE GC ALSO HAS 7 DAYS FROM INITIATION OF STABILIZATION TO COMPLETELY INSTALL NON-VEGETATED MEASURES, IF UTILIZED.
 - SOILS MUST BE PREPARED BEFORE INSTALLATION OF SOD OR SEED. SEE 02900 SPECIFICATION FOR INSTRUCTION ON PROPER SOIL PREPARATION.
 - AT THE COMPLETION OF GROUND-DISTURBING ACTIVITIES, THE ENTIRE SITE MUST HAVE PERMANENT VEGETATIVE COVER MEETING VEGETATIVE DENSITY REQUIREMENTS IN THE GENERAL PERMIT, OR MULCH PER LANDSCAPE PLAN, IN ALL AREAS NOT COVERED BY HARDCAPE (STONE, PAVEMENT, BUILDINGS, ETC.).
 - SEEDING AREAS SHALL BE PROTECTED WITH STRAW MULCH, HYDRAULIC MULCH OR A ROLLED EROSION CONTROL PRODUCT. STRAW MULCH MUST BE TACKIFIED OR CRIMPED BY DISC OR OTHER MACHINERY, AND ROLLED EROSION CONTROL PRODUCTS MUST BE INSTALLED PER MANUFACTURER RECOMMENDATIONS. ONLY ROLLED EROSION CONTROL PRODUCTS ARE PERMITTED TO BE USED IN FLOW CONVEYANCES.
 - ALL AREAS TO BE SEEDING MUST MEET TOPSOIL DEPTH, PH AND ORGANIC CONTENT REQUIREMENTS AS SPECIFIED IN THE 02900 SPECIFICATION - PLANTING OR XERISCAPE SPECIFICATION.
 - FINAL SITE STABILIZATION IS ACHIEVED WHEN PERENNIAL VEGETATIVE COVER PERMANENTLY STABILIZATION WITH A UNIFORM DENSITY GREATER THAN 70 PERCENT OVER THE ENTIRE AREA TO BE STABILIZED BY VEGETATIVE COVER. THIS AREA IS EXCLUSIVE OF AREAS THAT ARE COVERED WITH ROCK (CRUSHED GRANITE, GRAVEL, ETC.) OR LANDSCAPE MULCH, PAVED OR HAVE A BUILDING OR OTHER PERMANENT STRUCTURE ON THEM.

PS PERMANENT SEEDING, SOD OR MULCHING
 N.T.S.

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- NOTES:
- THE GC IS REQUIRED TO, AT A MINIMUM, INITIATE SOIL STABILIZATION MEASURES IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE SITE, OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT LIKELY RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS.
 - THE GC HAS 7 DAYS FROM INITIATION OF STABILIZATION TO COMPLETE SOIL PREPARATION, SEEDING, MULCHING, AND ANY OTHER REQUIRED ACTIVITIES RELATED TO THE PLANTING AND ESTABLISHMENT OF VEGETATION. THE GC ALSO HAS 7 DAYS FROM INITIATION OF STABILIZATION TO COMPLETELY INSTALL NON-VEGETATED MEASURES, IF UTILIZED.
 - ALL DISTURBED AREAS MUST BE STABILIZED TEMPORARILY WITH THE USE OF FAST-GERMINATING ANNUAL GRASS/GRAIN VARIETIES APPROPRIATE FOR SITE SOIL AND CLIMATE CONDITIONS. MULCH IS REQUIRED FOR ALL SEEDING APPLICATIONS, AND ALL MULCH APPLICATIONS MUST INCLUDE A SUITABLE FORM OF MULCH ANCHORING TO MINIMIZE MOVEMENT OF MULCH BY WIND OR WATER.
 - ALTERNATIVE STABILIZATION MEASURES TO SEEDING, SUCH AS ANCHORED MULCH APPLICATION (WITHOUT SEEDING), MAY BE UTILIZED DURING PERIODS WHEN VEGETATIVE GROWTH IS UNLIKELY (E.G. WINTER MONTHS).
 - IT IS NOT ACCEPTABLE TO ALLOW BARE SOIL TO REMAIN EXPOSED AT ANY TIME DURING THE YEAR, REGARDLESS OF WEATHER/TEMPERATURE/SITE CONDITIONS.
 - ALTERNATIVE STABILIZATION MEASURES INCLUDE, BUT ARE NOT LIMITED TO: ANCHORED STRAWHAY MULCH, WOOD CELLULOSE FIBER MULCH, SPRAY-ON SOIL GLUES/BINDERS, AND ROLLED EROSION CONTROL PRODUCTS.
 - ALL ROLLED EROSION CONTROL PRODUCTS SHALL HAVE CURRENT QDOQ(TM) STATUS ISSUED BY THE EROSION CONTROL TECHNOLOGY COUNCIL (ECTC) PLUS ANY STATE OR AGENCY-SPECIFIC REQUIREMENTS. EVIDENCE OF QDOQ(TM) APPROVAL SHALL ACCOMPANY THE PRODUCT SHIPPED TO THE JOBSITE FOR READY IDENTIFICATION BY THE CONTRACTOR OR AGENCY INSPECTOR.
 - ROLLED EROSION CONTROL PRODUCTS (NETS, BLANKETS, TURF REINFORCED MATES) AND VEGETATED AREAS NOT MEETING REQUIRED VEGETATIVE DENSITIES FOR FINAL STABILIZATION MUST BE INSPECTED DAILY. RILING, RUTTING AND OTHER SIGNS OF EROSION INDICATE THE SPECIFIED EROSION CONTROL DEVICE IS NOT FUNCTIONING OR INSTALLED PROPERLY AND/OR ADDITIONAL EROSION CONTROL DEVICES ARE WARRANTED.

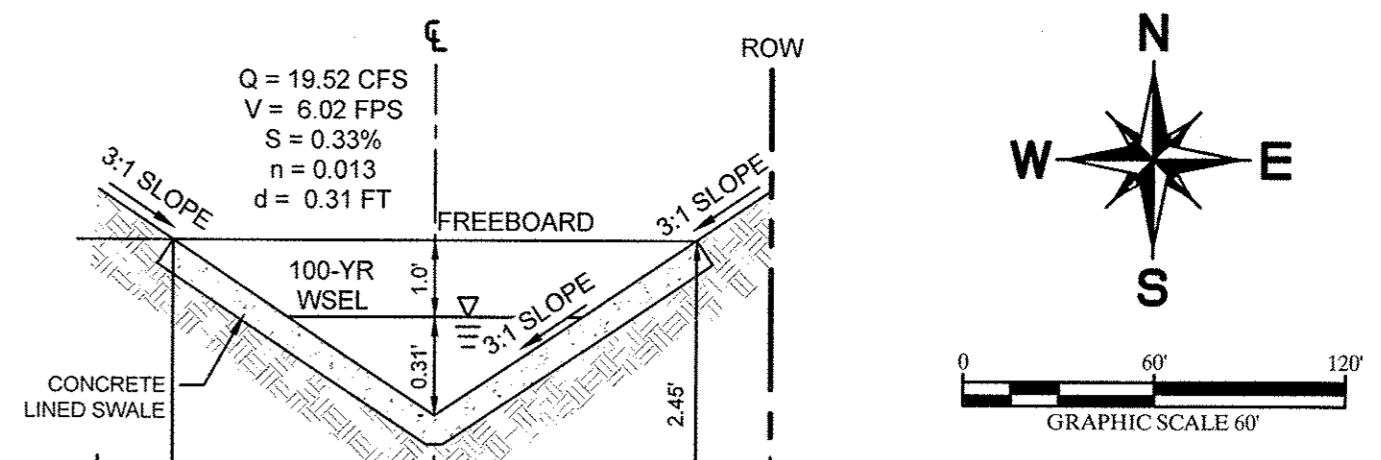
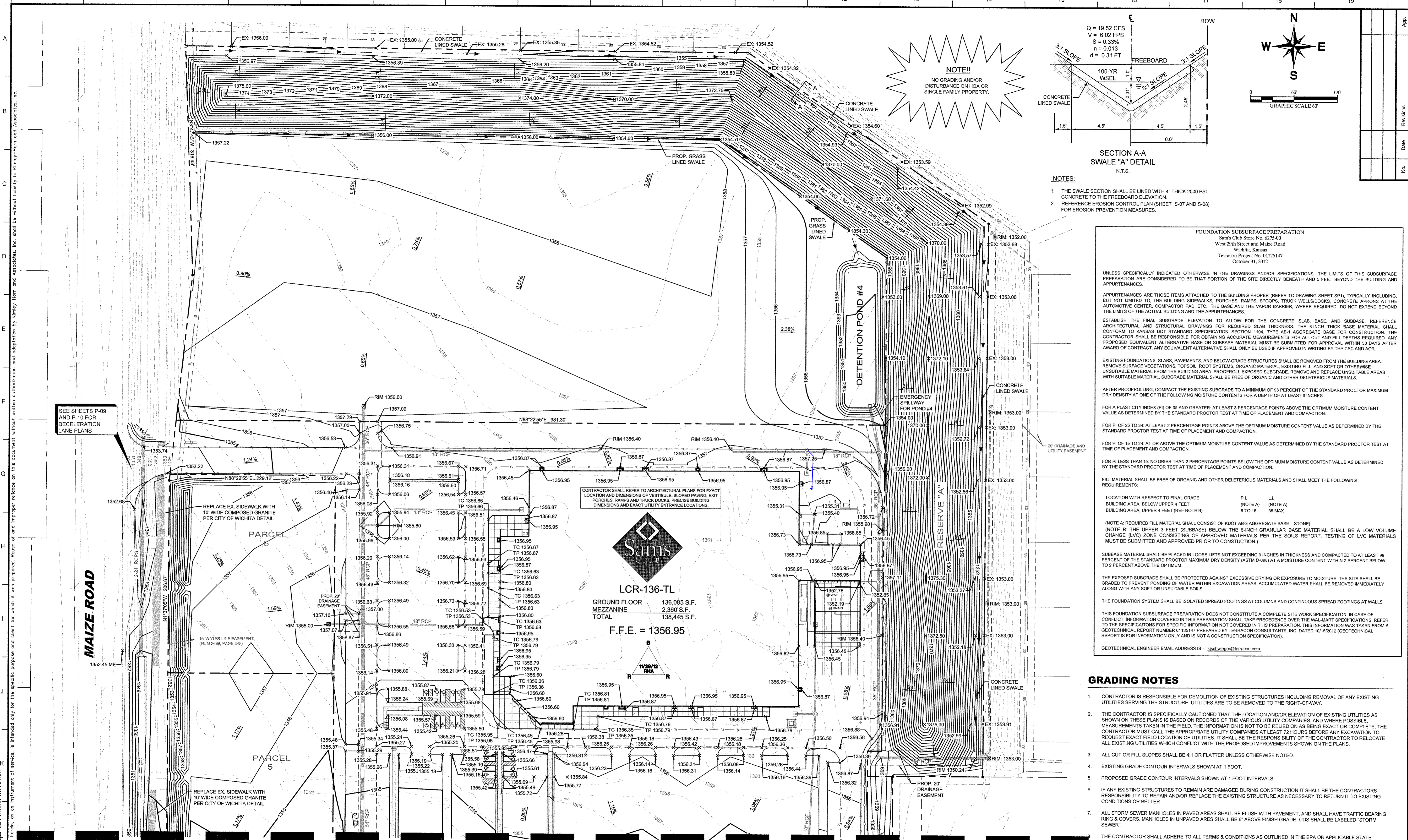
TS TEMPORARY SEEDING OR STABILIZATION
 N.T.S.

LAST REVISED:	WAL-MART STANDARD DETAIL
JUNE 2012	

DEVELOPER/OWNER:
 SAM'S REAL ESTATE BUSINESS TRUST
 2001 SE 10TH STREET
 BENTONVILLE, AR
 72716-5570
 479-204-1195

SITE OPERATOR/GENERAL CONTRACTOR:
 SUPERINTENDENT:

IMPORTANT: GC MUST SIGN ALL PLAN SHEETS AND ANY NEW PLAN SHEETS ISSUED BY THE CEC.



NOTE!
NO GRADING AND/OR DISTURBANCE ON HOA OR SINGLE FAMILY PROPERTY.

- NOTES:**
1. THE SWALE SECTION SHALL BE LINED WITH 4" THICK 2000 PSI CONCRETE TO THE FREEBOARD ELEVATION.
 2. REFERENCE EROSION CONTROL PLAN (SHEET S-07 AND S-08) FOR EROSION PREVENTION MEASURES.

FOUNDATION SUBSURFACE PREPARATION
Sam's Club Store No. 6275-00
West 29th Street and Maize Road
Wichita, Kansas
Terracon Project No. 01125147
October 31, 2012

UNLESS SPECIFICALLY INDICATED OTHERWISE IN THE DRAWINGS AND/OR SPECIFICATIONS, THE LIMITS OF THIS SUBSURFACE PREPARATION ARE CONSIDERED TO BE THAT PORTION OF THE SITE DIRECTLY BENEATH AND 5 FEET BEYOND THE BUILDING AND APPURTENANCES.

APPURTENANCES ARE THOSE ITEMS ATTACHED TO THE BUILDING PROPER (REFER TO DRAWING SHEET SP1), TYPICALLY INCLUDING, BUT NOT LIMITED TO, THE BUILDING SIDEWALKS, PORCHES, RAMPS, STAIRS, TRUCK WELLS/DOCKS, CONCRETE APRONS AT THE AUTOMOTIVE CENTER, COMPACTOR PAD, ETC. THE BASE AND THE VAPOR BARRIER, WHERE REQUIRED, DO NOT EXTEND BEYOND THE LIMITS OF THE ACTUAL BUILDING AND THE APPURTENANCES.

ESTABLISH THE FINAL SUBGRADE ELEVATION TO ALLOW FOR THE CONCRETE SLAB, BASE, AND SUBBASE. REFERENCE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR REQUIRED SLAB THICKNESS. THE 6-INCH THICK BASE MATERIAL SHALL CONFORM TO KANSAS DOT STANDARD SPECIFICATION SECTION 1104. TYPE AB-1 AGGREGATE BASE FOR CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ACCURATE MEASUREMENTS FOR ALL CUT AND FILL DEPTHS REQUIRED. ANY PROPOSED EQUIVALENT ALTERNATIVE BASE OR SUBBASE MATERIAL MUST BE SUBMITTED FOR APPROVAL WITHIN 30 DAYS AFTER AWARD OF CONTRACT. ANY EQUIVALENT ALTERNATIVE SHALL ONLY BE USED IF APPROVED IN WRITING BY THE CEC AND AOR.

EXISTING FOUNDATIONS, SLABS, PAVEMENTS, AND BELOW-GRADE STRUCTURES SHALL BE REMOVED FROM THE BUILDING AREA. REMOVE SURFACE VEGETATIONS, TOPSOIL, ROOT SYSTEMS, ORGANIC MATERIAL, EXISTING FILL, AND SOFT OR OTHERWISE UNSUITABLE MATERIAL FROM THE BUILDING AREA. PROOFROLL EXPOSED SUBGRADE. REMOVE AND REPLACE UNSUITABLE AREAS WITH SUITABLE MATERIAL. SUBGRADE MATERIAL SHALL BE FREE OF ORGANIC AND OTHER DELETERIOUS MATERIALS.

AFTER PROOFROLLING, COMPACT THE EXISTING SUBGRADE TO A MINIMUM OF 98 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY AT ONE OF THE FOLLOWING MOISTURE CONTENTS FOR A DEPTH OF AT LEAST 6 INCHES.

FOR A PLASTICITY INDEX (PI) OF 35 AND GREATER: AT LEAST 3 PERCENTAGE POINTS ABOVE THE OPTIMUM MOISTURE CONTENT VALUE AS DETERMINED BY THE STANDARD PROCTOR TEST AT TIME OF PLACEMENT AND COMPACTION.

FOR PI OF 25 TO 34: AT LEAST 2 PERCENTAGE POINTS ABOVE THE OPTIMUM MOISTURE CONTENT VALUE AS DETERMINED BY THE STANDARD PROCTOR TEST AT TIME OF PLACEMENT AND COMPACTION.

FOR PI OF 15 TO 24: AT OR ABOVE THE OPTIMUM MOISTURE CONTENT VALUE AS DETERMINED BY THE STANDARD PROCTOR TEST AT TIME OF PLACEMENT AND COMPACTION.

FOR PI LESS THAN 15: NO DRIER THAN 2 PERCENTAGE POINTS BELOW THE OPTIMUM MOISTURE CONTENT VALUE AS DETERMINED BY THE STANDARD PROCTOR TEST AT TIME OF PLACEMENT AND COMPACTION.

FILL MATERIAL SHALL BE FREE OF ORGANIC AND OTHER DELETERIOUS MATERIALS AND SHALL MEET THE FOLLOWING REQUIREMENTS:

LOCATION WITH RESPECT TO FINAL GRADE	P.I.	LL
BUILDING AREA, BELOW UPPER 4 FEET	(NOTE A)	(NOTE A)
BUILDING AREA, UPPER 4 FEET (REF NOTE B)	5 TO 15	35 MAX

(NOTE A: A REQUIRED FILL MATERIAL SHALL CONSIST OF KDOT AB-3 AGGREGATE BASE - STONE)
(NOTE B: THE UPPER 3 FEET (SUBBASE) BELOW THE 6-INCH GRANULAR BASE MATERIAL SHALL BE A LOW VOLUME CHANGE (LVC) ZONE CONSISTING OF APPROVED MATERIALS PER THE SOILS REPORT. TESTING OF LVC MATERIALS MUST BE SUBMITTED AND APPROVED PRIOR TO CONSTRUCTION.)

SUBBASE MATERIAL SHALL BE PLACED IN LOOSE LIFTS NOT EXCEEDING 9 INCHES IN THICKNESS AND COMPACTED TO AT LEAST 98 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D-698) AT A MOISTURE CONTENT WITHIN 2 PERCENT BELOW TO 2 PERCENT ABOVE THE OPTIMUM.

THE EXPOSED SUBGRADE SHALL BE PROTECTED AGAINST EXCESSIVE DRYING OR EXPOSURE TO MOISTURE. THE SITE SHALL BE GRADED TO PREVENT PONDING OF WATER WITHIN EXCAVATION AREAS. ACCUMULATED WATER SHALL BE REMOVED IMMEDIATELY ALONG WITH ANY SOFT OR UNSUITABLE SOILS.

THE FOUNDATION SYSTEM SHALL BE ISOLATED SPREAD FOOTINGS AT COLUMNS AND CONTINUOUS SPREAD FOOTINGS AT WALLS.

THIS FOUNDATION SUBSURFACE PREPARATION DOES NOT CONSTITUTE A COMPLETE SITE WORK SPECIFICATION. IN CASE OF CONFLICT, INFORMATION COVERED IN THIS PREPARATION SHALL TAKE PRECEDENCE OVER THE WAL-MART SPECIFICATIONS. REFER TO THE SPECIFICATIONS FOR SPECIFIC INFORMATION NOT COVERED IN THIS PREPARATION. THIS INFORMATION WAS TAKEN FROM A GEOTECHNICAL REPORT NUMBER 01125147 PREPARED BY TERRACON CONSULTANTS, INC. DATED 10/15/2012 (GEOTECHNICAL REPORT IS FOR INFORMATION ONLY AND IS NOT A CONSTRUCTION SPECIFICATION).

GEOTECHNICAL ENGINEER EMAIL ADDRESS IS - bschwinger@terracon.com

SEE SHEETS P-09 AND P-10 FOR DECELERATION LANE PLANS

REPLACE EX. SIDEWALK WITH 10" WIDE COMPOSED GRANITE PER CITY OF WICHITA DETAIL

CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND DIMENSIONS OF VESTIBULE, SLOPED PAVING, EXIT PORCHES, RAMPS AND TRUCK DOCKS, PRECISE BUILDING DIMENSIONS AND EXACT UTILITY ENTRANCE LOCATIONS.



LCR-136-TL
GROUND FLOOR 136,085 S.F.
MEZZANINE 2,360 S.F.
TOTAL 138,445 S.F.
F.F.E. = 1356.95

MATCHLINE SHEET S-12

- BENCHMARK**
- BM#1
CHISELED CROSS ON SIDEWALK, 314' EAST AND 58' NORTH OF SOUTHWEST CORNER, SW1/4, SEC. 32, TWP. 26-S, R-1-W
ELEVATION = 1351.07
- BM#2
CHISELED CROSS ON TOP OF CURB, 959' EAST AND 4.4' NORTH OF SOUTHWEST CORNER, SW1/4, SEC. 32, TWP. 26-S, R-1-W
ELEVATION = 1352.18

- LEGEND**
- PROPERTY LINE
 - PROPOSED CONTOUR
 - EXISTING CONTOUR
 - PROPOSED SPOT ELEVATION
 - FINISHED GRADE ELEVATION
 - MATCH EXISTING ELEVATION
 - TOP OF CURB
 - TOP OF PAVEMENT
 - PROPOSED STORM SEWER LINE
 - PROPOSED SWALE

STOP!
CALL BEFORE YOU DIG
KANSAS ONE-CALL
1-800-DIG-SAFE
(@ least 72 hours prior to digging)

CAUTION!
CONTRACTOR IS TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.

GRADING NOTES

1. CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING STRUCTURES INCLUDING REMOVAL OF ANY EXISTING UTILITIES SERVING THE STRUCTURE. UTILITIES ARE TO BE REMOVED TO THE RIGHT-OF-WAY.
2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
3. ALL CUT OR FILL SLOPES SHALL BE 4:1 OR FLATTER UNLESS OTHERWISE NOTED.
4. EXISTING GRADE CONTOUR INTERVALS SHOWN AT 1 FOOT.
5. PROPOSED GRADE CONTOUR INTERVALS SHOWN AT 1 FOOT INTERVALS.
6. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
7. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING RING & COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE FINISH GRADE. LIDS SHALL BE LABELED "STORM SEWER".
8. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE EPA OR APPLICABLE STATE GENERAL N.P.D.E.S. PERMIT FOR STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES AND THE WAL-MART SPECIAL CONDITIONS, SECTION 5, ENVIRONMENTAL COMPLIANCE AND STORM WATER POLLUTION PREVENTION. THIS APPLIES TO WAL-MART BUILT PROJECTS ONLY.
9. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
10. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
11. TOPOGRAPHIC INFORMATION IS TAKEN FROM A TOPOGRAPHIC SURVEY BY LAND SURVEYORS. IF THE CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, THEN THE CONTRACTOR SHALL SUPPLY, AT THEIR EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR TO THE OWNER FOR REVIEW.
12. ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES 3H:1V OR STEEPER. CONTRACTOR SHALL STABILIZE DISTURBED AREAS IN ACCORDANCE WITH GOVERNING REGULATIONS UNTIL A HEALTHY STAND OF VEGETATION IS OBTAINED.
13. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
14. ALL ELEVATIONS ARE TOP OF PAVEMENT UNLESS OTHERWISE NOTED.
15. ALL STORM STRUCTURES SHALL HAVE A SMOOTH UNIFORM POURED MORTAR INVERT FROM INVERT IN TO INVERT OUT.

ALERT TO CONTRACTOR

ALL WM GENERAL CONTRACTOR WORK TO BE COMPLETED (EARTHWORK, FINAL UTILITIES, AND FINAL GRADING) BY THE MILESTONE DATE IN PROJECT DOCUMENTS. OUTLOT AREA TO BE KEPT FREE OF JOB TRAILERS AND STORAGE AFTER THE CONTRACT MILESTONE DATE FOR THE OUTLOT. WM GENERAL CONTRACTOR TO PROVIDE CLEAR ACCESS FOR OUTLOT CONTRACTOR TO THE SPECIFIC PARCEL AT ALL TIMES AFTER MILESTONE DATE. PURCHASER OF OUTLOT TO PROVIDE PERMIT DOCUMENTS AND SWPPP REQUIRED BY STATE/LOCAL REQUIREMENTS FOR SPECIFIC OUTLOT.

DEWATERING NOTE

WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS. REFER TO MASTER SITE SPECIFICATIONS.

Scale: AS SHOWN

Designed by: STW
Drawn by: STW
Checked by: KSG
Date: JULY 2013
Project No.: 053302230

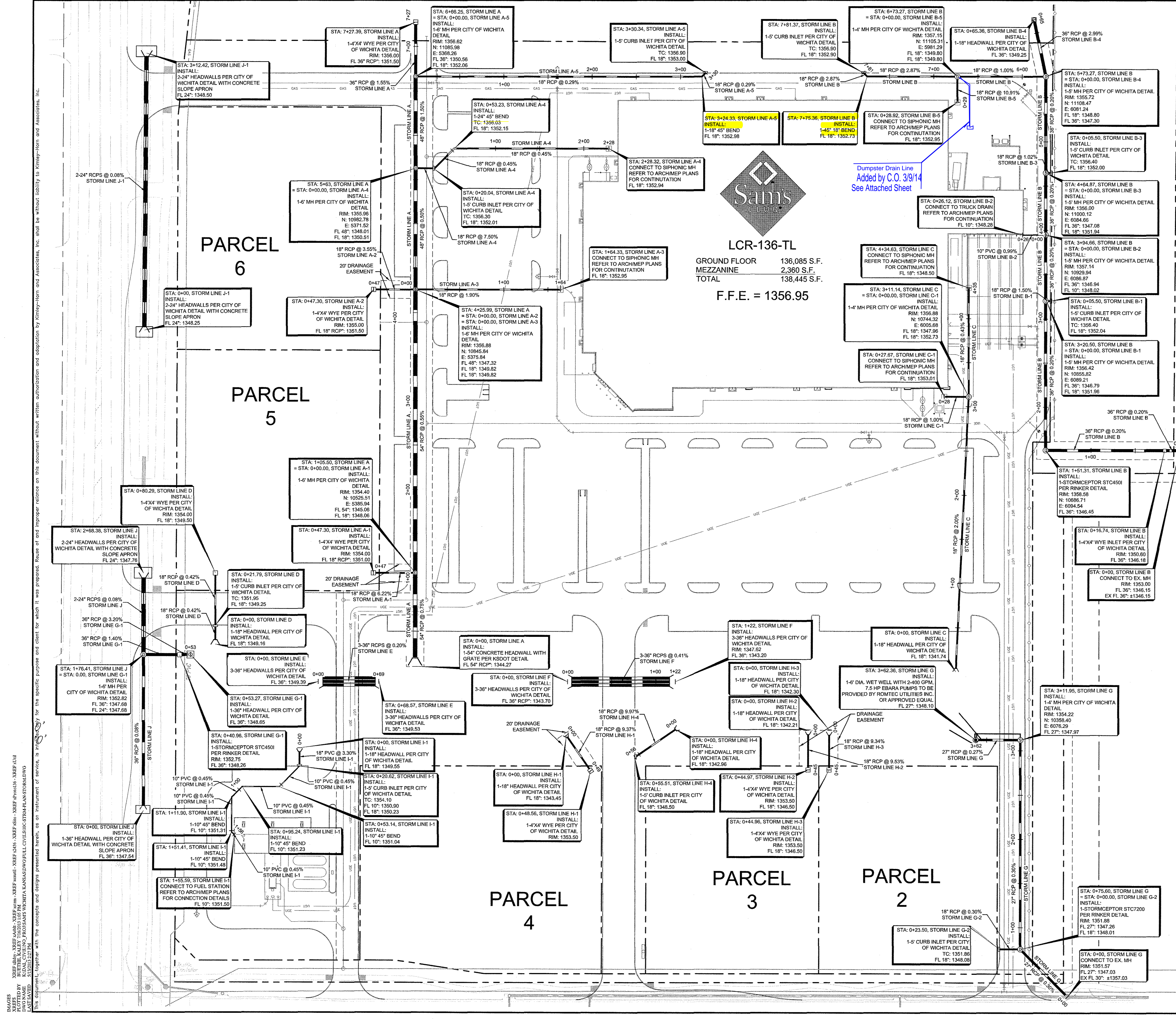
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12750 Merit Drive, Suite 1000
Dallas, Texas 75251
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Wichita State University
Professional Engineer
6257
11/13

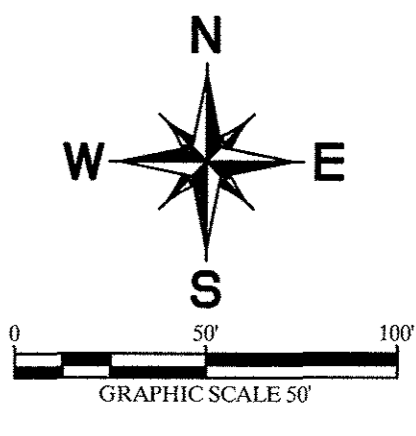
STORE # 6275-00
LCR-136-TL
WEST 29TH STREET
WICHITA, KANSAS 67205

GRADING PLAN

SHEET
S-11




LCR-136-TL
 GROUND FLOOR 136,085 S.F.
 MEZZANINE 2,360 S.F.
 TOTAL 138,445 S.F.
F.F.E. = 1356.95



DRAINAGE NOTES

- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NO TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- PRECAST STRUCTURES MAY BE USED AT CONTRACTORS OPTION PER CITY REQUIREMENTS.
- STORM PIPE SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED: (SEE MASTER SITE SPECIFICATIONS SECTION 02530 FOR ALLOWED MATERIALS.)
- EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.
- IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGING DURING CONSTRUCTION IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
- ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT.
- ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING RING & COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE FINISH GRADE. LIDS SHALL BE LABELED "STORM SEWER".
- THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE EPA OR APPLICABLE STATE GENERAL N.P.D.E.S. PERMIT FOR STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES AND THE WAL-MART SPECIAL CONDITIONS, SECTION 8, ENVIRONMENTAL COMPLIANCE AND STORM WATER POLLUTION PREVENTION. THIS APPLIES TO WAL-MART BUILT PROJECTS ONLY.
- CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
- ALL STORM STRUCTURES SHALL HAVE A SMOOTH UNIFORM POURED MORTAR INVERT FROM INVERT IN TO INVERT OUT.
- ALL RCP TO BE CLASS III UNLESS OTHERWISE NOTED.
- ALL CONCRETE STORM DRAINAGE STRUCTURES TO BE A MINIMUM OF 4000 PSI.

LEGEND

- PROPERTY LINE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- RIDGE
- X 1355.00 PROPOSED SPOT ELEVATION
- FG FINISHED GRADE ELEVATION
- ME MATCH EXISTING ELEVATION
- TW TOP OF WALL
- BW BOTTOM OF WALL
- PROPOSED STORM SEWER LINE

BENCHMARKS

- BM#1
CHISELED CROSS ON SIDEWALK, 314' EAST AND 58' NORTH OF SOUTHWEST CORNER, SW1/4, SEC. 32, TWP. 26-S, R-1-W ELEVATION = 1351.07
- BM#2
CHISELED CROSS ON TOP OF CURB, 959' EAST AND 4.4' NORTH OF SOUTHWEST CORNER, SW1/4, SEC. 32, TWP. 26-S, R-1-W ELEVATION = 1352.18

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STOP!
CALL BEFORE YOU DIG
 KANSAS ONE-CALL
 1-800-DIG-SAFE
 (at least 72 hours prior to digging)

CAUTION!
 CONTRACTOR IS TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.

AS SHOWN

Designed by: STW

Drawn by: STW

Checked by: USG

Date: JULY 2013

Project No: 05382230

Scale: AS SHOWN

Revisions

No.	Date	App.

Revisions

STORM DRAINAGE PLAN

STORE # 6275-00
LCR-136-TL
WEST 29TH STREET
WICHITA, KANSAS 67205

Kimley-Horn and Associates, Inc.

Tel: No. (978) 770-9300
Fax: No. (978) 235-5620

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12750 Meridian Drive, Suite 1000
Dallas, Texas 75221

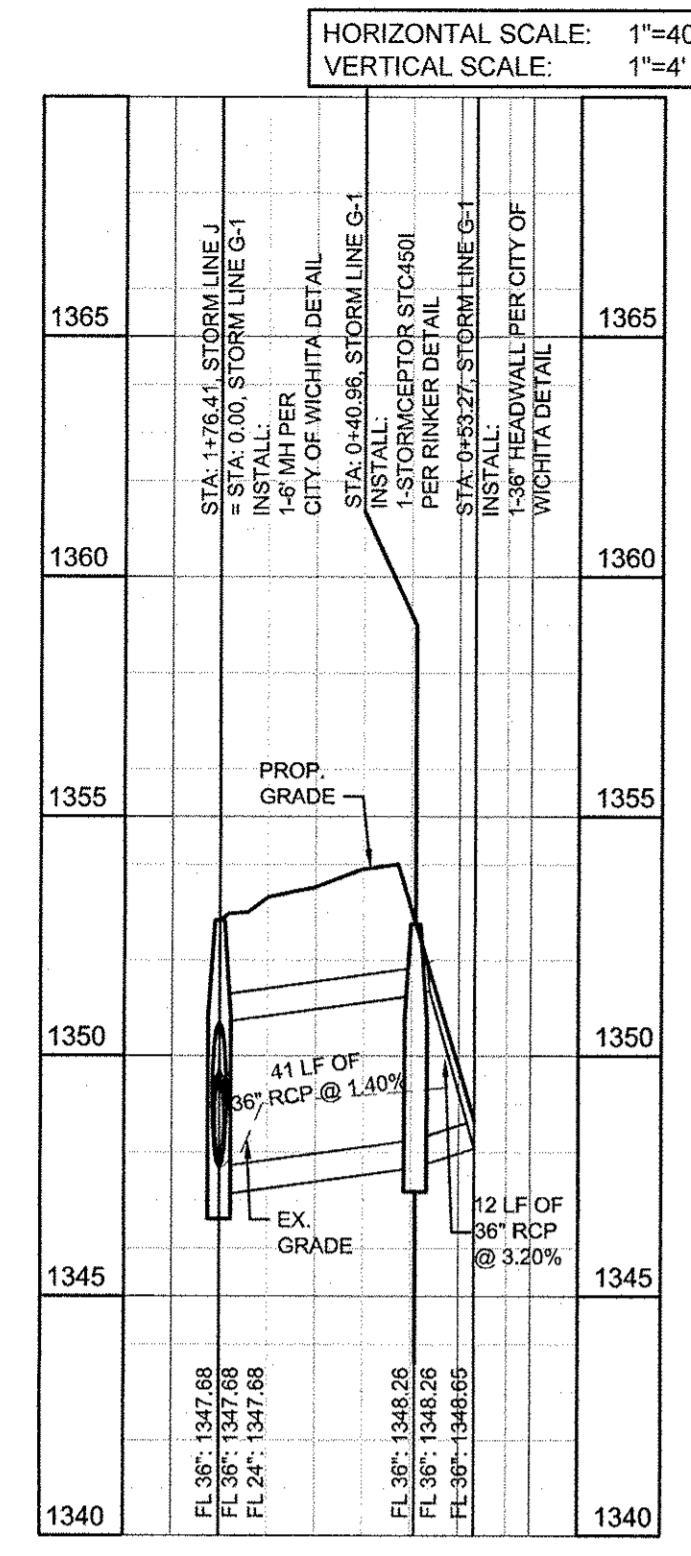
Professional Engineer
18257
KANSAS
12/15/13

SHEET

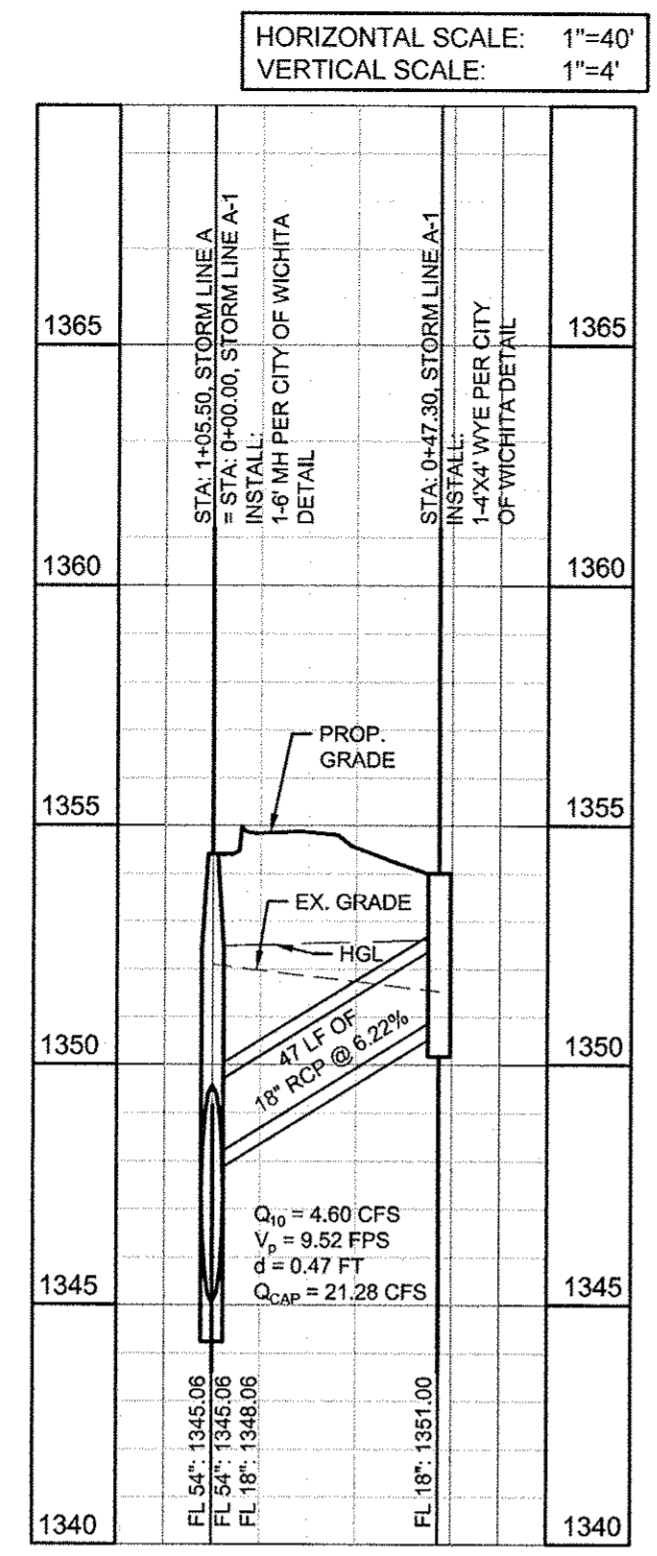
S-17

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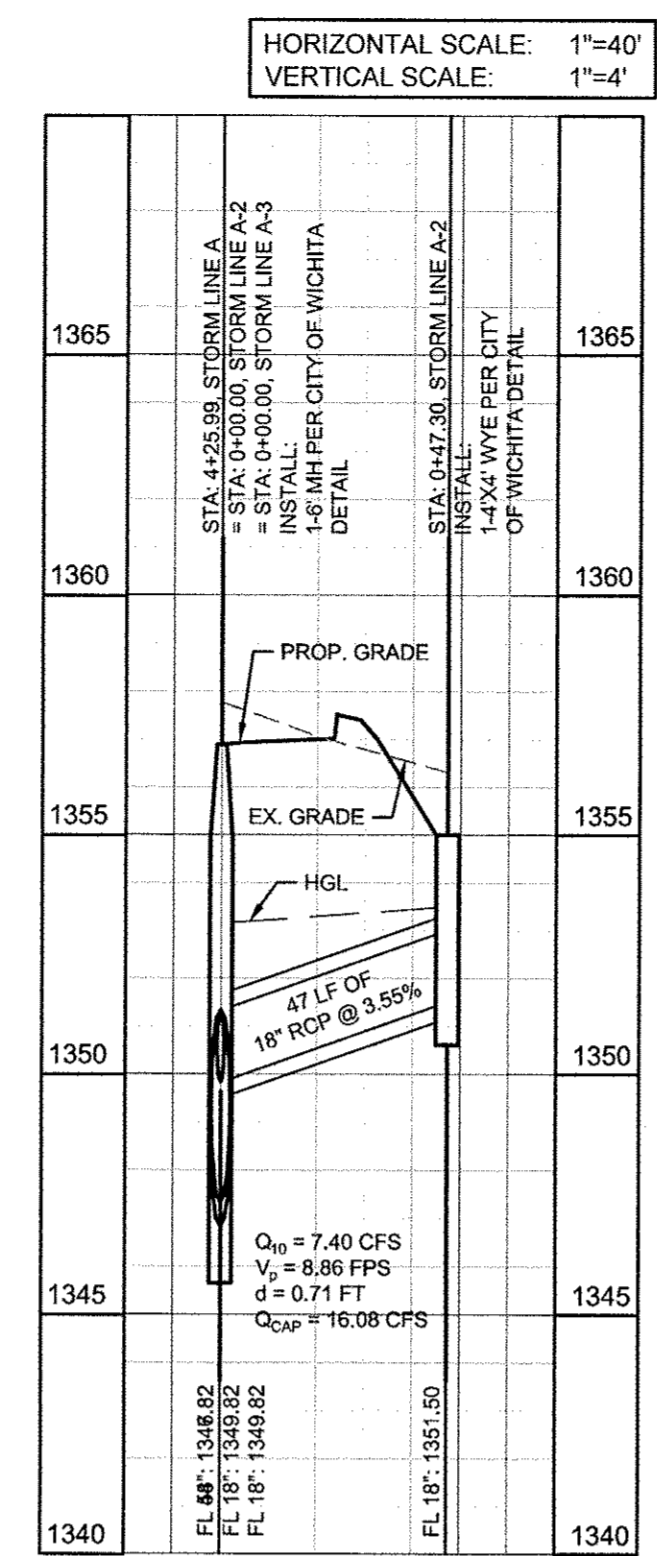
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 DESIGNED BY: KIMLEY-HORN AND ASSOCIATES, INC.
 DRAWN BY: KIMLEY-HORN AND ASSOCIATES, INC.
 CHECKED BY: KIMLEY-HORN AND ASSOCIATES, INC.
 PROJECT NO.: 6275-00
 SHEET NO.: S-20
 DATE: JULY 2013
 SCALE: AS SHOWN
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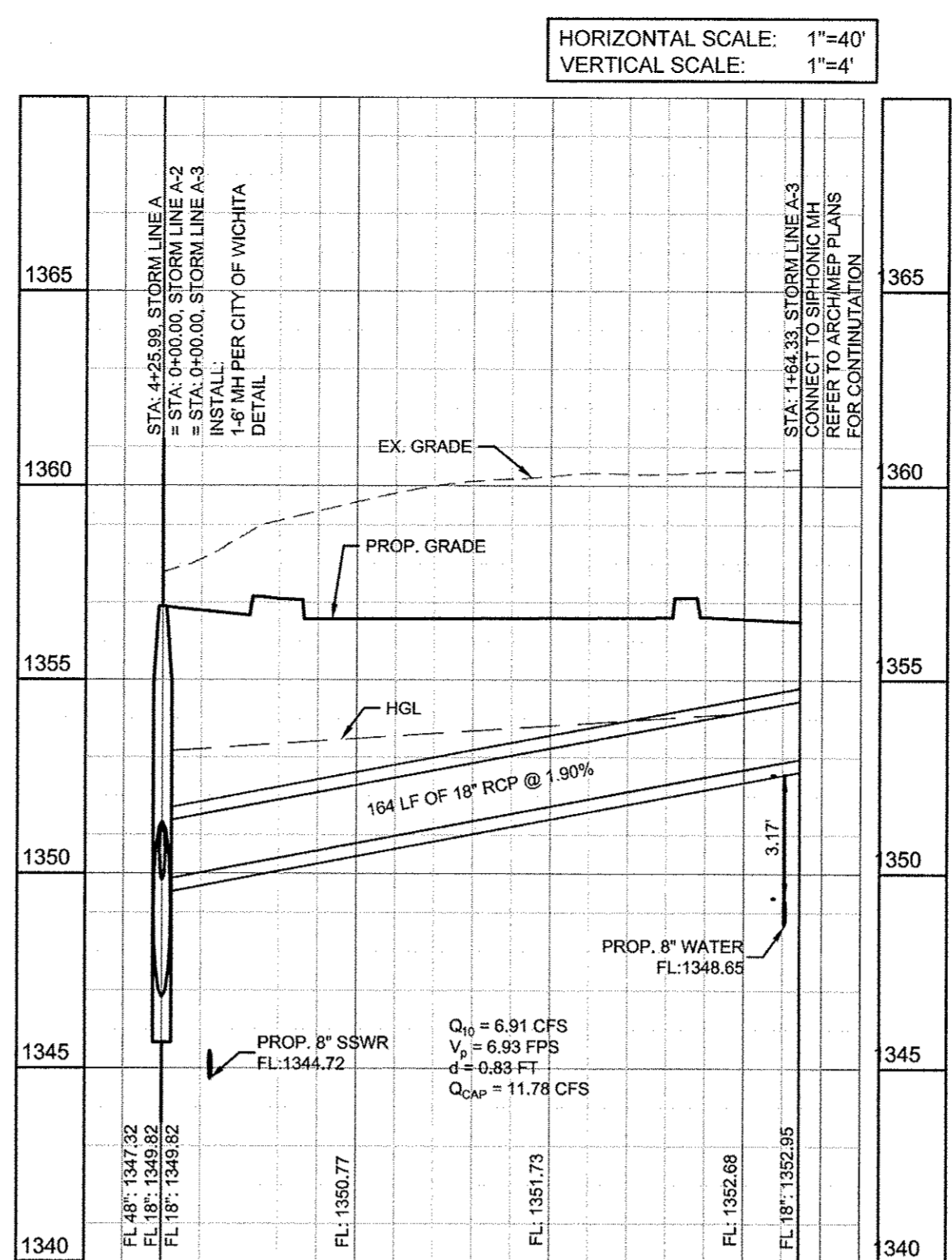
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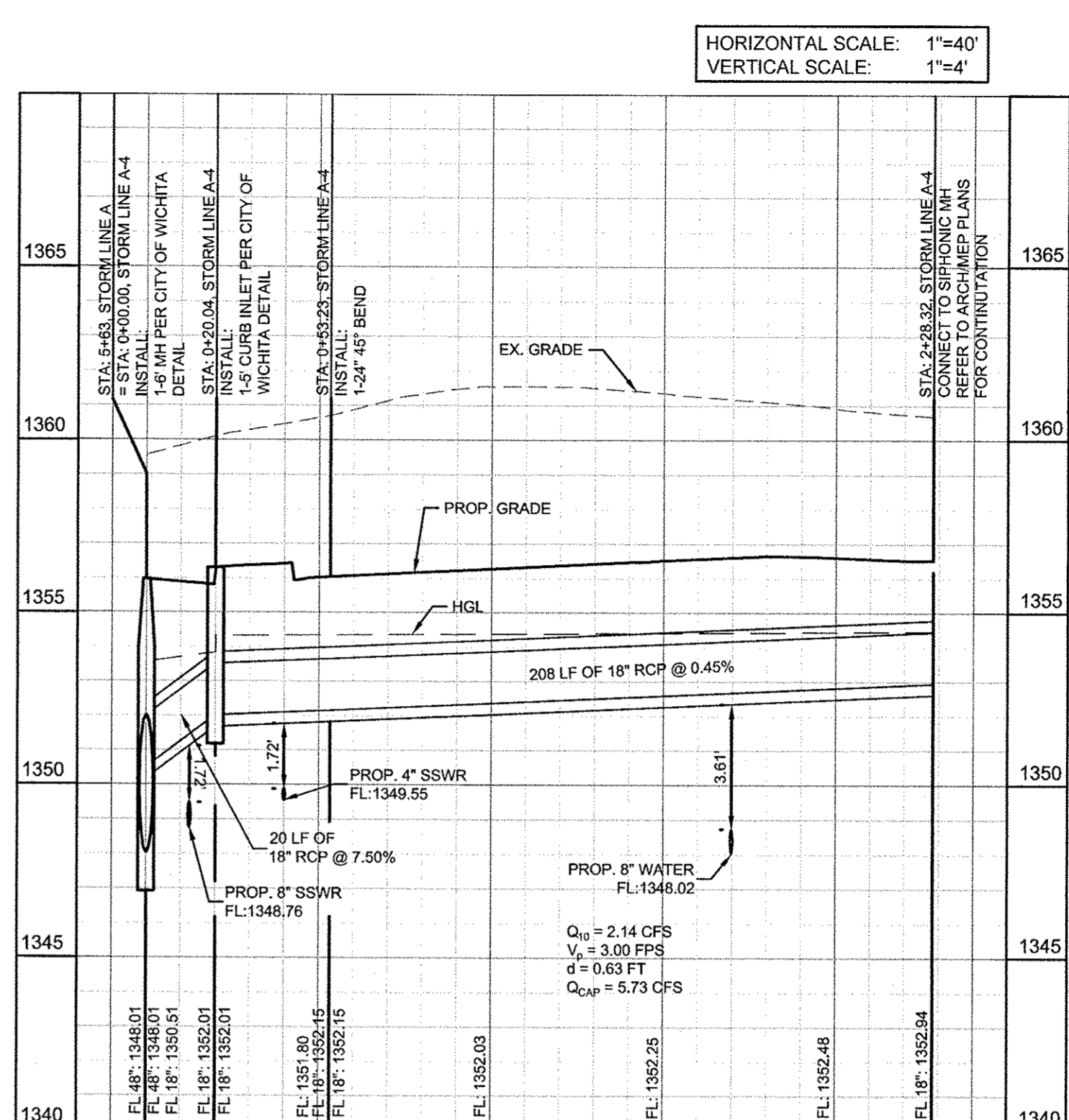
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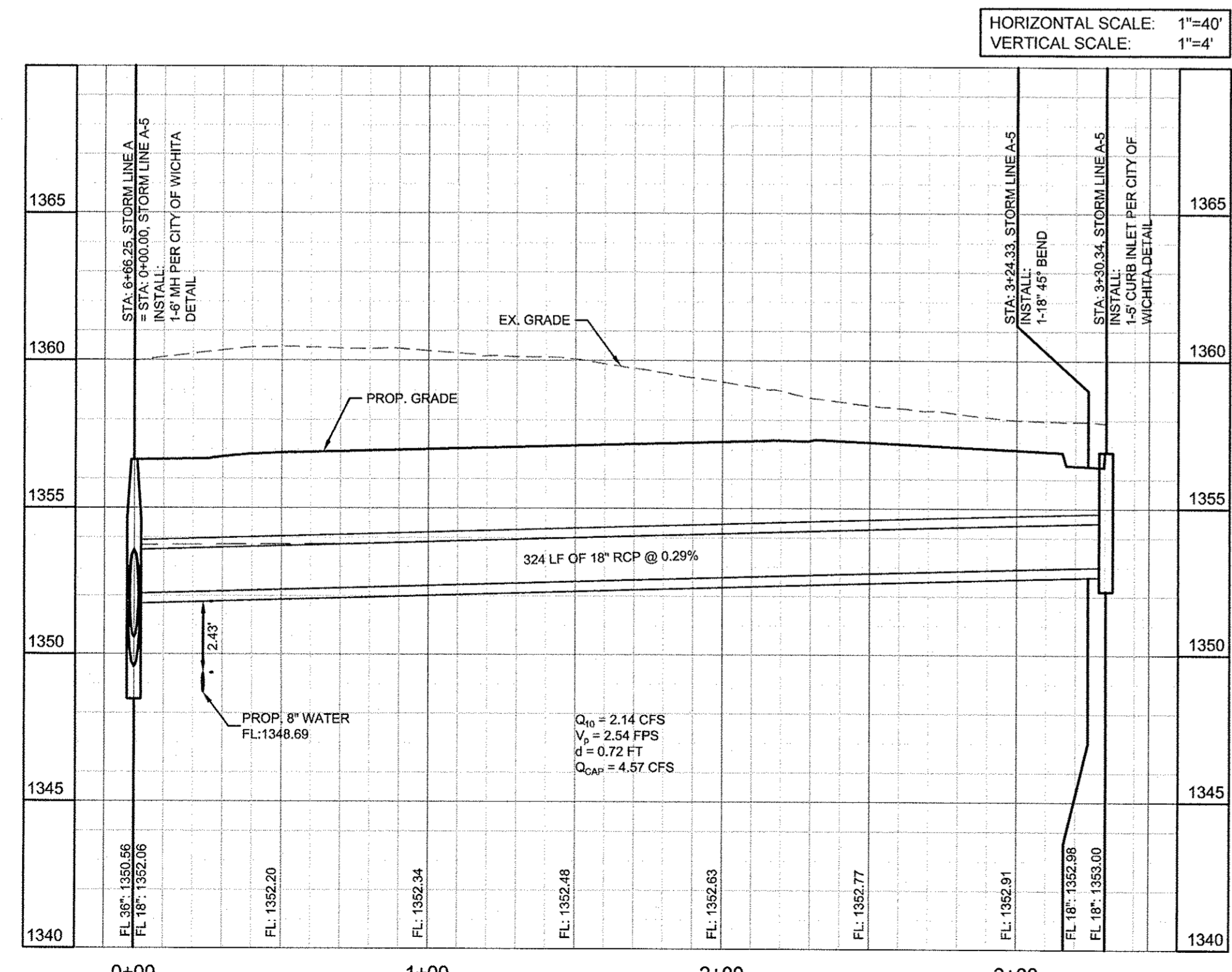
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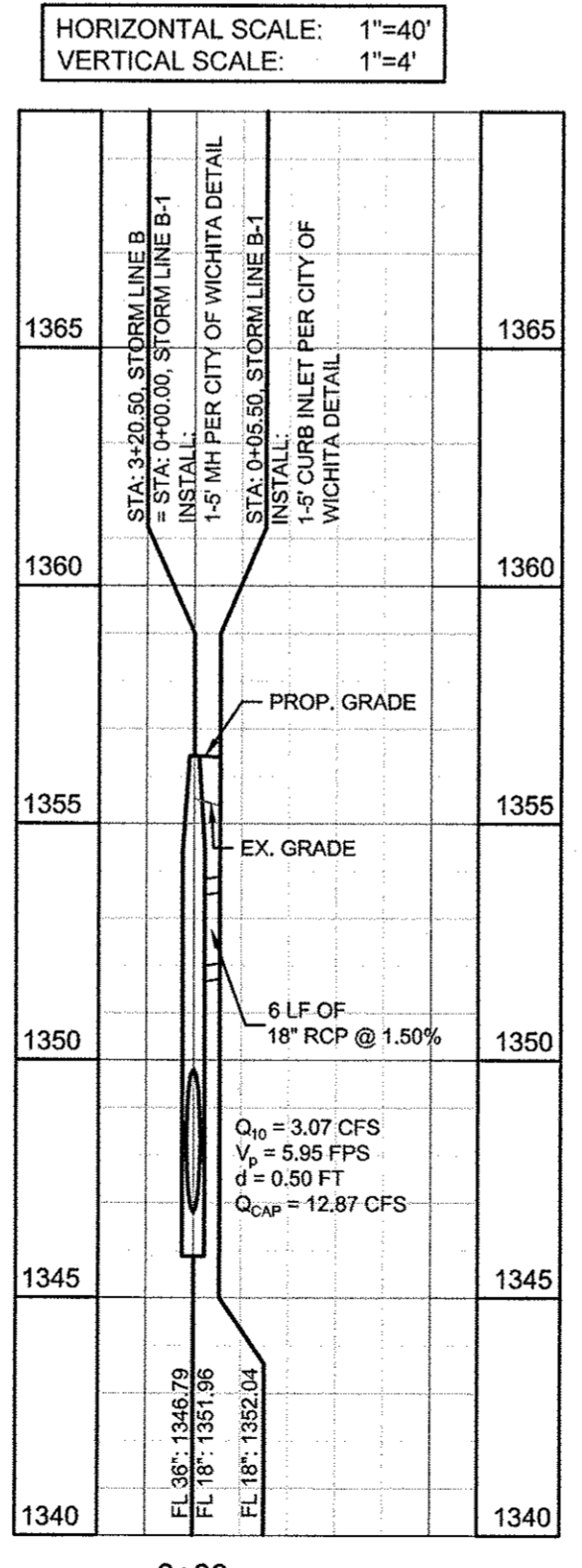
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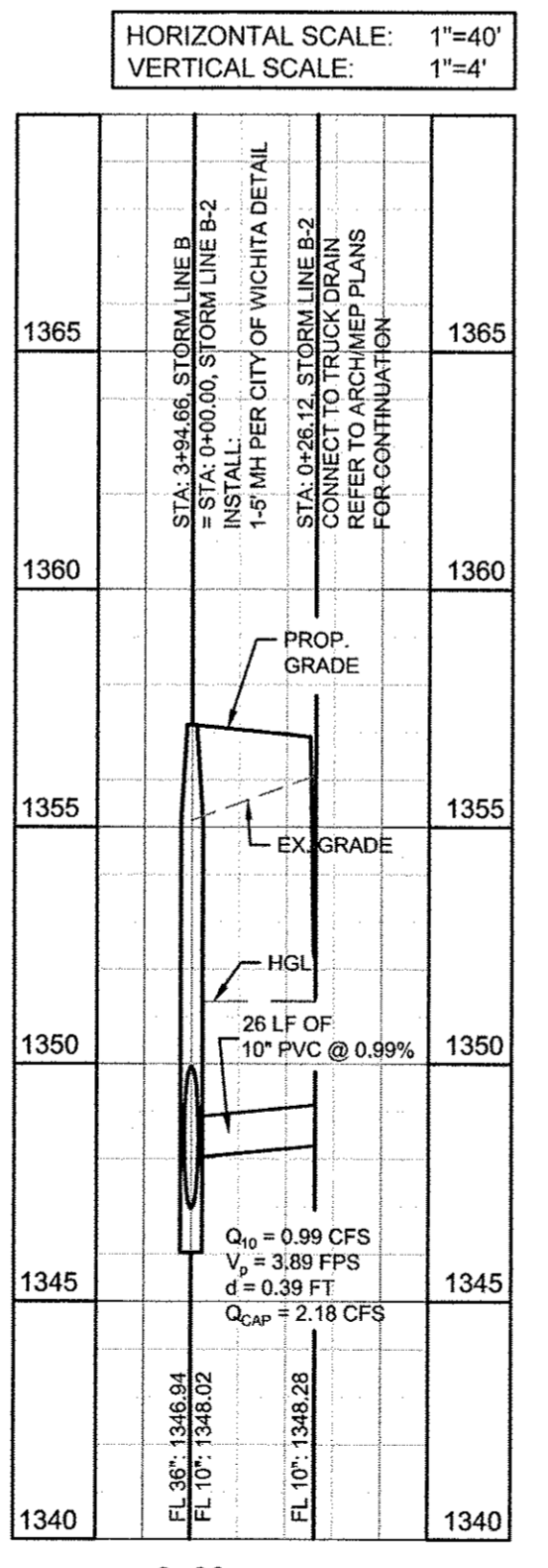
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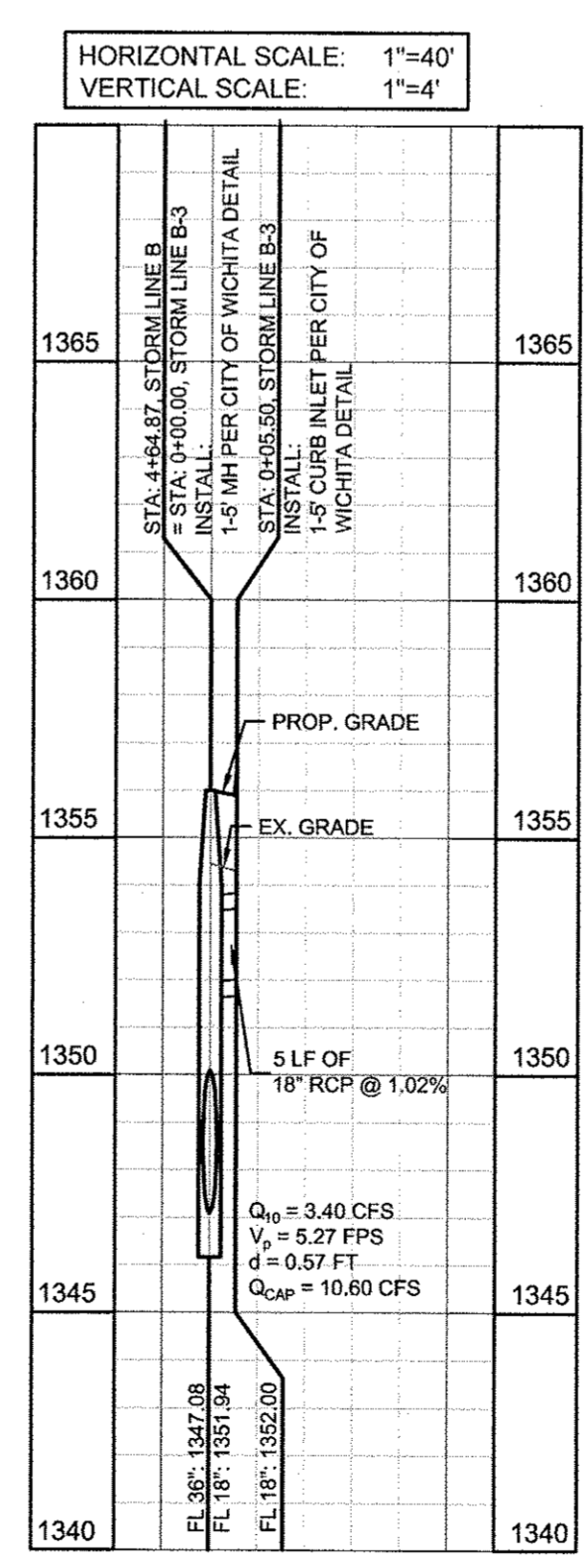
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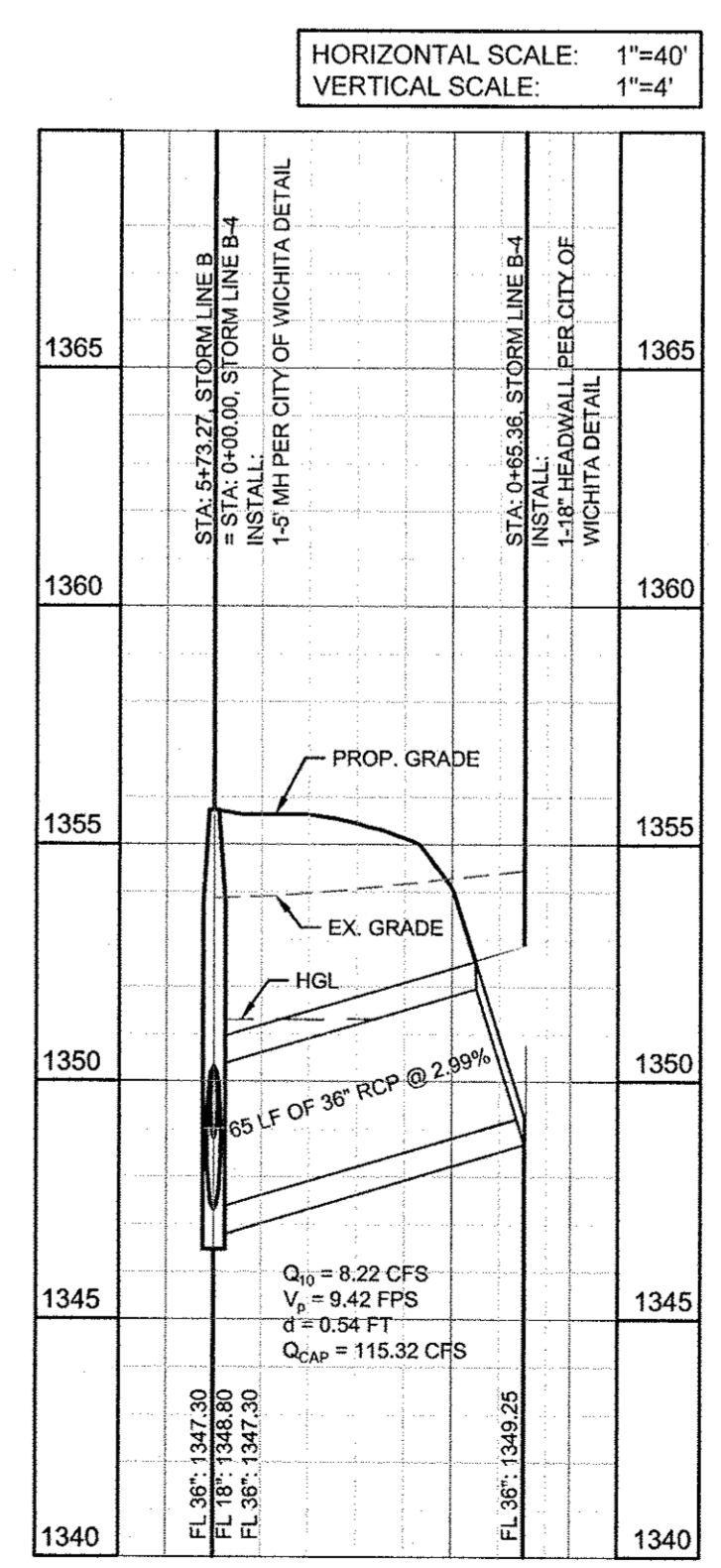
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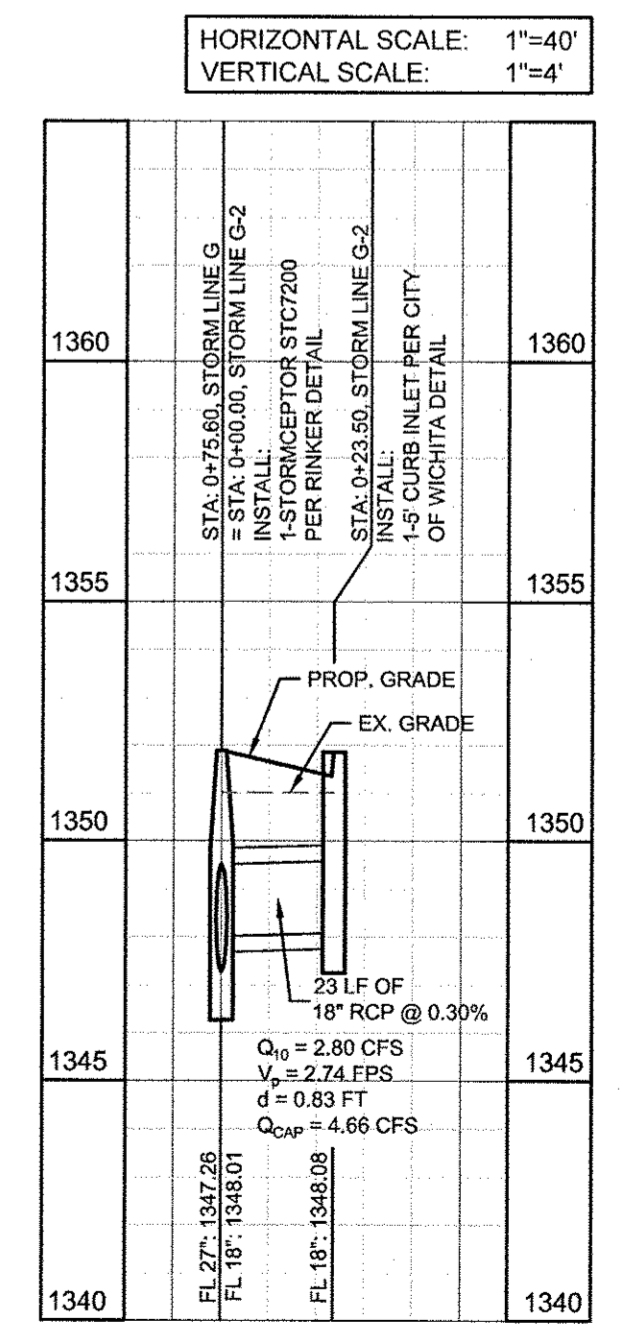
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STORM LINE B-3



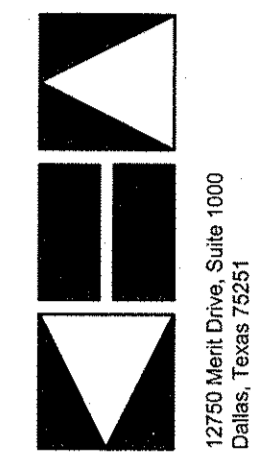
STORM LINE B-4



STORM LINE G-2

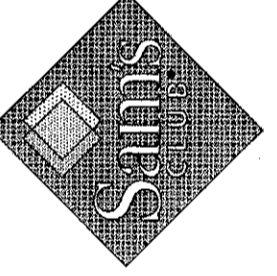
No.	Date	Revisions

App.
 No.
 Date
 Revisions



STORE # 6275-00
 LCR-136-TL
 WEST 29TH STREET
 WICHITA, KANSAS 67205

STORE # 6275-00
 LCR-136-TL
 WEST 29TH STREET
 WICHITA, KANSAS 67205



STORM SEWER PROFILES

Scale: AS SHOWN
 Designed by: STW
 Drawn by: STW
 Checked by: MSG
 Date: JULY 2013
 Project No. 03382230

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STORM LINE C

																				COMPARE																	
Line	Description	Station	HGL In	HGL Out	FL In	FL Out	Top of Pavement	Difference	Cover	Length	Drainage Area	Cumulative Area	Runoff Coefficient	Intensity	Pipe Slope	Pipe Diameter	A	P	R	Incremental Flow	Total Flow	Pipe Capacity	Is Pipe Full?	Q/Q Cap	Velocity	Velocity Full	V/V Full	Velocity Partial	d/D	Partial Diameter	Velocity Head	n	Sr	Hr	Kt	Velocity Head Loss	
LINE C																																					
BEGIN	Connect to Ex	0+00.00	1352.00		1341.74																																
LAT C-1	MH	3+11.14	1353.01	1353.00	1347.96	1347.96	1355.01	2.00	5.55	311.14	0.33	0.87	0.9	6.09	2.00%	18	1.77	4.71	0.38	1.81	4.77	12.07	NO	0.40	2.70	6.83	0.93	6.38	0.43	0.65	0.11	0.016	0.32%	1.00	0.15	0.02	
END	INLET	4+34.63	1353.16	1353.16	1348.50	1354.54	1.37			123.49	0.54	0.54	0.9	6.09	0.44%	18	1.77	4.71	0.38	2.96	2.96	5.63	NO	0.53	1.67	3.19	1.01	3.21	0.51	0.77	0.04	0.016	0.12%	0.15	0.50	0.02	

STORM LINE C-1

Line	Description	Station	HGL In	HGL Out	FL In	FL Out	Top of Pavement	Difference	Cover	Length	Drainage Area	Cumulative Area	Runoff Coefficient	Intensity	Pipe Slope	Pipe Diameter	A	P	R	Incremental Flow	Total Flow	Pipe Capacity	Is Pipe Full?	Q/Q Cap	Velocity	Velocity Full	V/V Full	Velocity Partial	d/D	Partial Diameter	Velocity Head	n	Sr	Hr	Kt	Velocity Head Loss
LAT C-1																																				
BEGIN	MH	0+00.00	1353.01		1347.96									0.9	6.09																					
END	INLET	0+27.67	1353.02	1353.02	1351.95	1356.84	3.82			27.67	0.33	0.33	0.9	6.09	14.41%	18	1.77	4.71	0.38	1.81	1.81	32.40	NO	0.06	1.02	18.33	0.54	9.86	0.16	0.24	0.02	0.016	0.05%	0.01	0.15	0.00

STORM LINE D

																				COMPARE																
Line	Description	Station	HGL In	HGL Out	FL In	FL Out	Top of Pavement	Difference	Cover	Length	Drainage Area	Cumulative Area	Runoff Coefficient	Intensity	Pipe Slope	Pipe Diameter	A	P	R	Incremental Flow	Total Flow	Pipe Capacity	Is Pipe Full?	Q/Q Cap	Velocity	Velocity Full	V/V Full	Velocity Partial	d/D	Partial Diameter	Velocity Head	n	Sr	Hr	Kt	Velocity Head Loss
LINE D																																				
BEGIN	HEADWALL	0+00.00	1351.92		1349.16																															
	INLET	0+21.79	1351.93	1351.92	1349.25	1349.25	1351.95	0.03		21.8	0.21	0.29	0.9	6.09	0.42%	18	1.77	4.71	0.38	1.15	1.15	5.53	NO	0.21	0.65	3.13	0.78	2.43	0.30	0.45	0.01	0.016	0.02%	0.00	0.5	0.00
END	INLET	0+80.29	1352.00	1352.00	1349.50	1354.00	2.00			58.5	0.58	0.58	0.9	6.09	0.42%	18	1.77	4.71	0.38	3.18	3.18	5.56	NO	0.57	1.80	3.15	1.03	3.25	0.54	0.81	0.05	0.016	0.14%	0.08	0.5	0.03

STORM LINE G

																				COMPARE																
Line	Description	Station	HGL In	HGL Out	FL In	FL Out	Top of Pavement	Difference	Cover	Length	Drainage Area	Cumulative Area	Runoff Coefficient	Intensity	Pipe Slope	Pipe Diameter	A	P	R	Incremental Flow	Total Flow	Pipe Capacity	Is Pipe Full?	Q/Q Cap	Velocity	Velocity Full	V/V Full	Velocity Partial	d/D	Partial Diameter	Velocity Head	n	Sr	Hr	Kt	Velocity Head Loss
LINE G																																				
BEGIN	Connect to Ex	0+00.00	1349.28		1347.03																															
LAT G-2	MH	0+75.60	1349.51	1349.29	1347.26	1347.26	1351.50	1.99	1.99	75.6	0.00	0.54	0.9	6.09	0.30%	27	3.98	7.07	0.56	0.00	2.96	13.78	NO	0.21	0.74	3.47	0.79	2.74	0.31	0.70	0.01	0.016	0.01%	0.01	0.5	0.00
STORMCEPTOR	MH	3+11.95	1350.22	1349.31	1347.97	1347.97	1351.29	1.07	1.07	236.4	0.00	0.54	0.9	6.09	0.30%	27	3.98	7.07	0.56	0.00	2.96	13.78	NO	0.21	0.74	3.47	0.79	2.74	0.31	0.70	0.01	0.016	0.01%	0.03	0.15	0.00
END	INLET	3+62.36	1350.22	1350.22	1348.10	1348.10				50.4	0.54	0.54	0.9	6.09	0.27%	27	3.98	7.07	0.56	2.96	2.96	12.98	NO	0.23	0.74	3.26	0.80	2.62	0.32	0.72	0.01	0.016	0.01%	0.01	0.50	0.00

STORM LINE G-2

																				COMPARE																
Line	Description	Station	HGL In	HGL Out	FL In	FL Out	Top of Pavement	Difference	Cover	Length	Drainage Area	Cumulative Area	Runoff Coefficient	Intensity	Pipe Slope	Pipe Diameter	A	P	R	Incremental Flow	Total Flow	Pipe Capacity	Is Pipe Full?	Q/Q Cap	Velocity	Velocity Full	V/V Full	Velocity Partial	d/D	Partial Diameter	Velocity Head	n	Sr	Hr	Kt	Velocity Head Loss
LINE G-1																																				
BEGIN	MH	0+00.00	1349.51		1348.01									0.9	6.09																					
END	INLET	0+23.50	1349.53	1349.53	1348.08	1351.86	2.32			23.50	0.51	0.51	0.9	6.09	0.30%	18	1.77	4.71	0.38	2.80	2.80	4.66	NO	0.60	1.58	2.64	1.04	2.74	0.55	0.83	0.04	0.016	0.11%	0.03	0.5	0.02

STORM LINE H-1

																				COMPARE																
Line	Description	Station	HGL In	HGL Out	FL In	FL Out	Top of Pavement	Difference	Cover	Length	Drainage Area	Cumulative Area	Runoff Coefficient	Intensity	Pipe Slope	Pipe Diameter	A	P	R	Incremental Flow	Total Flow	Pipe Capacity	Is Pipe Full?	Q/Q Cap	Velocity	Velocity Full	V/V Full	Velocity Partial	d/D	Partial Diameter	Velocity Head	n	Sr	Hr	Kt	Velocity Head Loss
LINE H-1																																				
BEGIN	HEADWALL	0+00.00	1352.06		1343.45									0.9	6.09																					
END	INLET	0+48.56	1352.41	1352.41	1348.00	1353.50	1.09			48.56	1.31	1.31	0.9	6.09	9.37%	18	1.77	4.71	0.38	7.18	7.18	26.12	NO	0.27	4.06	14.78	0.84	12.46	0.35	0.53	0.26	0.016	0.73%	0.35	0.5	0.13

STORM LINE H-2

																				COMPARE																
Line	Description	Station	HGL In	HGL Out	FL In	FL Out	Top of Pavement	Difference	Cover	Length	Drainage Area	Cumulative Area	Runoff Coefficient	Intensity	Pipe Slope	Pipe Diameter	A	P	R	Incremental Flow	Total Flow	Pipe Capacity	Is Pipe Full?	Q/Q Cap	Velocity	Velocity Full	V/V Full	Velocity Partial	d/D	Partial Diameter	Velocity Head	n	Sr	Hr	Kt	Velocity Head Loss
LINE H-2																																				
BEGIN	HEADWALL	0+00.00	1352.00		1342.21									0.9	6.09																					
END	INLET	0+44.97	1352.16	1352.16	1346.50	1353.50	1.34			44.97	0.91	0.91	0.9	6.09	9.54%	18	1.77	4.71	0.38	4.99	4.99	26.35	NO	0.19	2.82	14.91	0.76	11.36	0.29	0.44	0.12	0.016	0.35%	0.16	0.5	0.06

STORM LINE H-3

																				COMPARE																
Line	Description	Station	HGL In	HGL Out	FL In	FL Out	Top of Pavement	Difference	Cover	Length	Drainage Area	Cumulative Area	Runoff Coefficient	Intensity	Pipe Slope	Pipe Diameter	A	P	R	Incremental Flow	Total Flow	Pipe Capacity	Is Pipe Full?	Q/Q Cap	Velocity	Velocity Full	V/V Full	Velocity Partial	d/D	Partial Diameter	Velocity Head	n	Sr	Hr	Kt	Velocity Head Loss
LINE H-3																																				
BEGIN	HEADWALL	0+00.00	1352.00		1342.30									0.9	6.09																					
END	INLET	0+44.96	1352.16	1352.16	1346.50	1353.50	1.34			44.96	0.91	0.91	0.9	6.09	9.34%	18	1.77	4.71	0.38	4.99	4.99	26.09	NO	0.19	2.82	14.76	0.76	11.24	0.29	0.44	0.12	0.016	0.35%	0.16	0.5	0.06

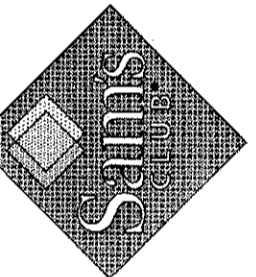
STORM LINE H-4

																				COMPARE																
Line	Description	Station	HGL In	HGL Out	FL In	FL Out	Top of Pavement	Difference	Cover	Length	Drainage Area	Cumulative Area	Runoff Coefficient	Intensity	Pipe Slope	Pipe Diameter	A	P	R	Incremental Flow	Total Flow	Pipe Capacity	Is Pipe Full?	Q/Q Cap	Velocity	Velocity Full	V/V Full	Velocity Partial	d/D	Partial Diameter	Velocity Head	n	Sr	Hr	Kt	Velocity Head Loss
LINE H-3																																				
BEGIN	HEADWALL	0+00.00	1352.00		1343.16									0.9	6.09																					
END	INLET	0+55.51	1352.03	1352.03	1348.50	1352.57	0.54			55.5																										

No.	Date	Revisions	App.



STORE # 6275-00
 LCR-136-TL
 WEST 29TH STREET
 WICHITA, KANSAS 67205



RINKER STORMCEPTOR DETAILS

Scale: AS SHOWN
 Designed by: STW
 Drawn by: STW
 Checked by: KSS
 Date: JULY 2013
 Project No. 063382230

