

WATER DISTRIBUTION SYSTEM IMPROVEMENTS

GENERAL NOTES:

- The Contractor shall comply with all applicable safety regulations. All construction shall be completed following current City Standard Specifications and Special Provisions.
- Contractor will be required to provide notice to utility companies a minimum of seventy-two (72) hours prior to any excavation, as follows:

Kansas One-Call 687-2470

The Contractor must notify the following in case of an emergency:

AT&T 1-800-246-8464
 Black Hills Energy 1-800-694-8989
 City of Wichita Water 1-316-268-4555
 City of Wichita Sewer 1-316-268-4073
 City of Wichita Stormwater 1-316-268-4090
 City of Wichita Traffic 1-316-268-4034
 Cox Communications 1-888-249-3530
 Kansas Gas Service 1-888-482-4950
 Westar Energy 1-800-544-4857

- Utility service lines, poles, etc. 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. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.

- Rubble from the removal of miscellaneous structures and excess excavation which 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, in the opinion of the Engineer, that 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 will 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 will require additional archaeological investigations unless buried in a previously approved borrow location.

- Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.

- The Contractor shall give all property owners and/or tenants of developed property abutting the construction of this project a minimum of ten (10) days notice prior to start of construction.

- The Contractor shall be responsible for preserving property irons. The Contractor will be required to re-establish any property irons which are damaged or destroyed by his construction operations. Such irons shall be re-established by a licensed land surveyor in accordance with state laws.

- The Water Distribution Division shall field locate water valves one time during construction when requested by the Contractor. It shall be the Contractor's responsibility to preserve such field locations during the construction process. Water valves, valve boxes or fire hydrants damaged during construction shall be repaired by Contractor at his own expense. Valve boxes and water meters within the project limits shall be adjusted to match field grades.

- The Contractor shall notify the consultant engineer and Tom Mason with the City at 316-268-4574 with the anticipated construction start date and notify them of project completion. Staking and inspection for this project will be the responsibility of the Contractor.

- If traffic will be impacted by construction, a traffic control plan must be submitted and approved by the City Traffic Engineer, Brian Coon at traffic@wichita.gov before construction can begin. The Contractor shall be responsible for all traffic control measures to facilitate construction. All construction zone markings and signage shall conform to the latest version of the Manual on Uniform Traffic Control Devices (MUTCD) as published by the US Dept. of Transportation, Federal Highway Administration. All costs associated with construction markings and signage shall be the Contractor's responsibility.

- All elevations shown are NAVD 88.

- All areas disturbed during construction that will not be under proposed pavement shall be restored to match existing conditions.

- 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. The project inspector must ascertain that any valve closed by the Contractor is reopened. The contractor will be permitted to operate water valves only when the project inspector assigned to the project is present.

- The Contractor shall lay a Tracer Wire and Set Test Stations along all water pipe installed in accordance with City Specifications and Tracer Wire Detail on detail sheet WL-101, cost is subsidiary to pipe installation.

- The contractor shall provide materials for temporary blowoff of waterlines. Connections to the existing waterline(s) shall be made with clean, swabbed pipe and flushed upon completion of tie-ins.

- Requests for short term water interruptions shall be made to the City Water Distribution Division and will be subject to their approval. The Contractor shall give written notice to any property owner, business, and/or tenants that will have water service interrupted at least 5 days in advance. Such notifications should indicate the time and date that the water will be turned off and when the service will be restored. No business, property owner, and/or tenants shall be without water service for more than 8 hours. Proposed tie in locations which will affect water service to property owners shall be preformed during non-peak hours.

- The Contractor must schedule the connections to the existing main with the City such that there is a minimum disruption of service. Connections shall be made during periods of low water usage. The Contractor shall submit his proposed schedule for completing work for City approval at least 10 days prior to beginning construction.

- Deflections at pipe joint or couplings shall not exceed the pipe manufactures recommended maximum. Where deflections are greater than the maximum allowed, the contractor shall utilize CI MJ Long Sleeve or Multiple Joints.

- Any extension greater than one length of pipe shall require testing.

- Any existing joint exposed during excavation shall be replaced if within four feet of proposed joint.

- City maintenance of water mains ends at right-of-way or easement line.

- Valves 12 inch and larger are to be operated by the City Water Distribution Division, 48 hours of advance notice is required.

- All wet taps shall be installed by the City of Wichita. The Contractor will reimburse the City for tapping fees.

- The Contractor shall protect from damage and support existing utilities through constructions as approved by the utility owner and the Engineer at the contractors expense.

- Contractor shall limit the extent of trench openings overnight and weekends to less than 50 feet.

- Any sidewalk, drive approach, curb, or street pavement removed to construct project must have a pavement cut permit and be replaced by the City contractor. Permits can be obtained by calling 316-268-4501 or 316-268-4480.

- Site restoration and preparation shall be subsidiary to the project.

- The contractor shall use best management practices (bmp's) to prevent eroded soil from entering ditches, culverts, and drainage areas. Standard details for erosion bmp's are available from the engineer. The contractor shall follow the intent of the bmp's which act as a guideline.

- Each bidder shall visit the site of the project throughout its entire extent before submitting a proposal in order to become better informed of the existing field conditions and obstacles which might be encountered during construction. Each bidder should understand that no additional compensation will be awarded for extra work that should have been evaluated prior to bidding.

- All water pipe trenching in pavement or driveways, which will be required to carry traffic until permanent paving replacement, shall be topped with a minimum of 6" crushed rock (compacted) to be incidental to the project. Contractor shall be required to maintain temporary crushed rock until permanent pavement is installed.

- Contractor to field verify location and depth of all utilities prior to construction and report findings to project engineer. Location information has been obtained from various companies and is either from company utility drawings or company provided field locations. The plan locations shown are not guaranteed. Additional existing utilities may be encountered.

TO SERVE LOT 2, BLOCK A MAIZE & 29TH COMMERCIAL ADDITION

PRIVATE PROJECT NO. 1853 PPW (607853)

CITY OF WICHITA, KANSAS

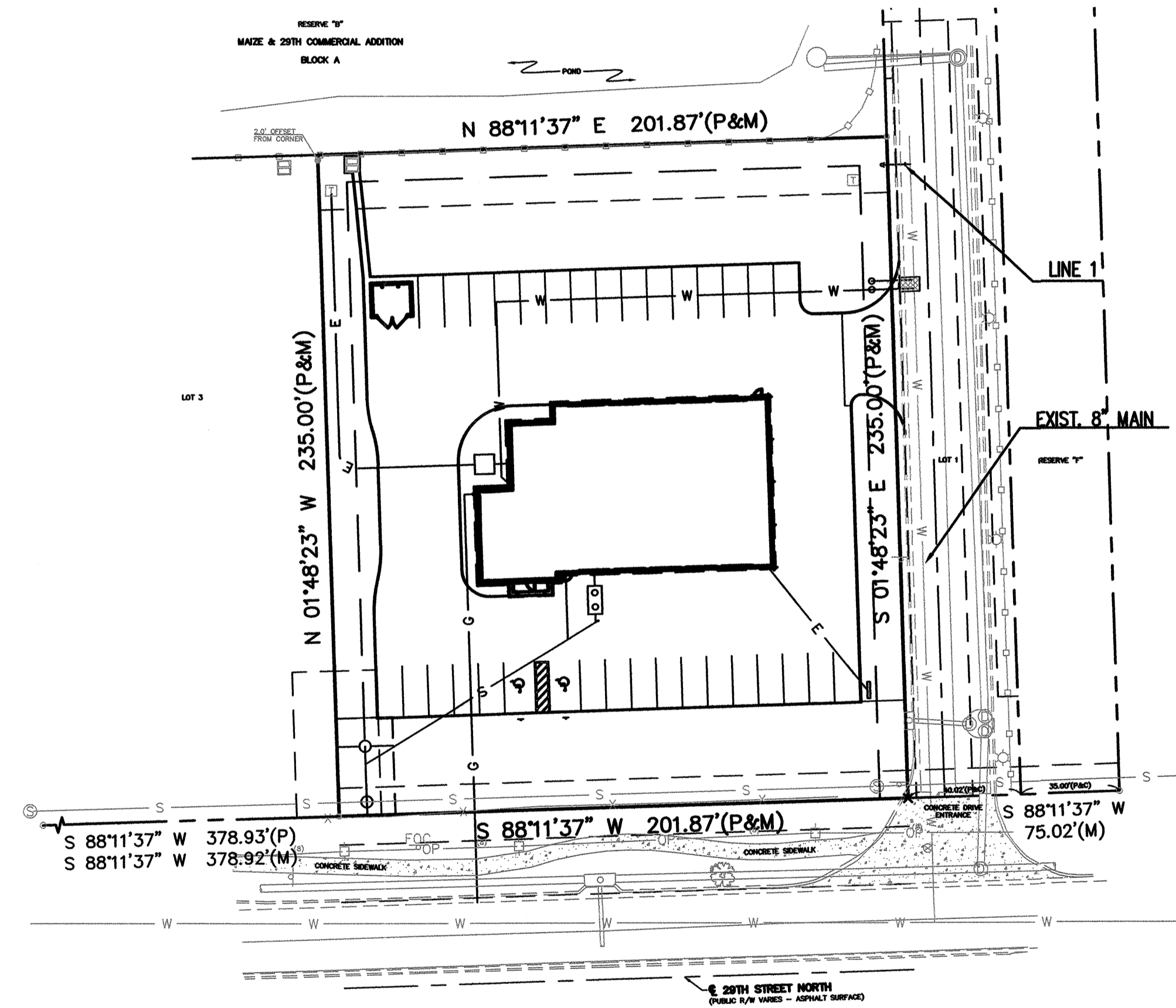
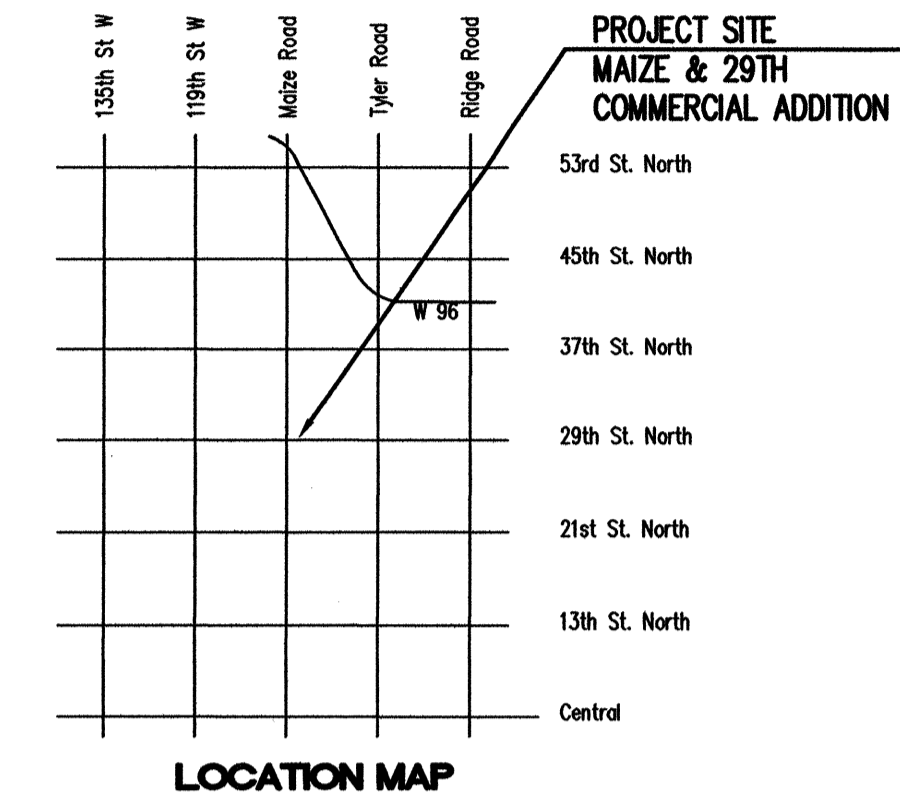
GARY JANZEN, P.E. - CITY ENGINEER

AS BUILTS

Contractor: McCullough Excavation, Inc. 6/10/2015

Project Inspector: Larry Gann

KEMILLER ENGINEERING PA
 117 E. Lewis, Wichita, KS 67202 (316)264-0242



MAY 2015

DATUM BENCHMARK:
 CHISELED + ON TOP OF CURB 959± AND 4.4± NORTH OF THE SOUTHWEST CORNER OF SECTION 32-26-1 AS SHOWN ON THE MAIZE & 29TH COMMERCIAL ADDITION. ELEV=1352.18

PROJECT BENCHMARK:
 BM#1: CHISELED SQUARE SET ON THE SOUTHEAST CORNER OF A AREA INLET AT THE NORTHWEST CORNER OF SITE. ELEV=1353.00

BM#2: CHISELED SQUARE SET ON CONCRETE LIGHTPOLE BASE 15± NORTH AND 33± EAST OF THE SOUTHEAST PROPERTY CORNER. ELEV=1354.63

INDEX OF SHEETS

1 TITLE SHEET
 2-3 WATER DETAILS
 4 WATER PLAN AND PROFILE
 5 EROSION CONTROL PLAN
 6-10 EROSION CONTROL DETAILS
 11 PLAT

LEGAL DESCRIPTION
 LOT 2, BLOCK A, MAIZE AND 29TH COMMERCIAL ADDITION, WICHITA, SEDGWICK COUNTY, KANSAS.

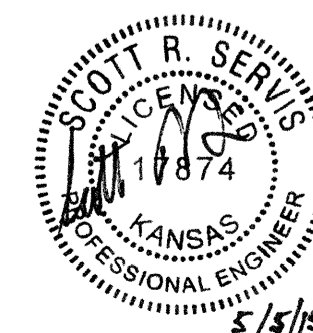
CONTACT PERSON:
 SCOTT R. SERVIS, P.E., KAW VALLEY ENGINEERING, INC. (316) 440-4304

PROJ. NO. G15D0037 DSN: SRS DWN: MLT

KAW VALLEY ENGINEERING

200 N. EMPORIA, SUITE 100
 WICHITA, KANSAS 67202
 PH. (316) 440-4304 | FAX (316) 440-4309
 wh@kveng.com | www.kveng.com

KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY KANSAS STATE CERTIFICATE OF AUTHORIZATION # E-113. EXPIRES 12/31/16



APPROVED AS NOTED
 BY CITY ENGINEER OF WICHITA
 & BY WICHITA FIRE DEPARTMENT

Water Mains (Engineering) Rebecca Dil 6/10/2015
 Water Mains (Water) [Signature] 05-06-15
 Fire Prot. Line [Signature] 5-6-15

NOTE TO CONTRACTORS

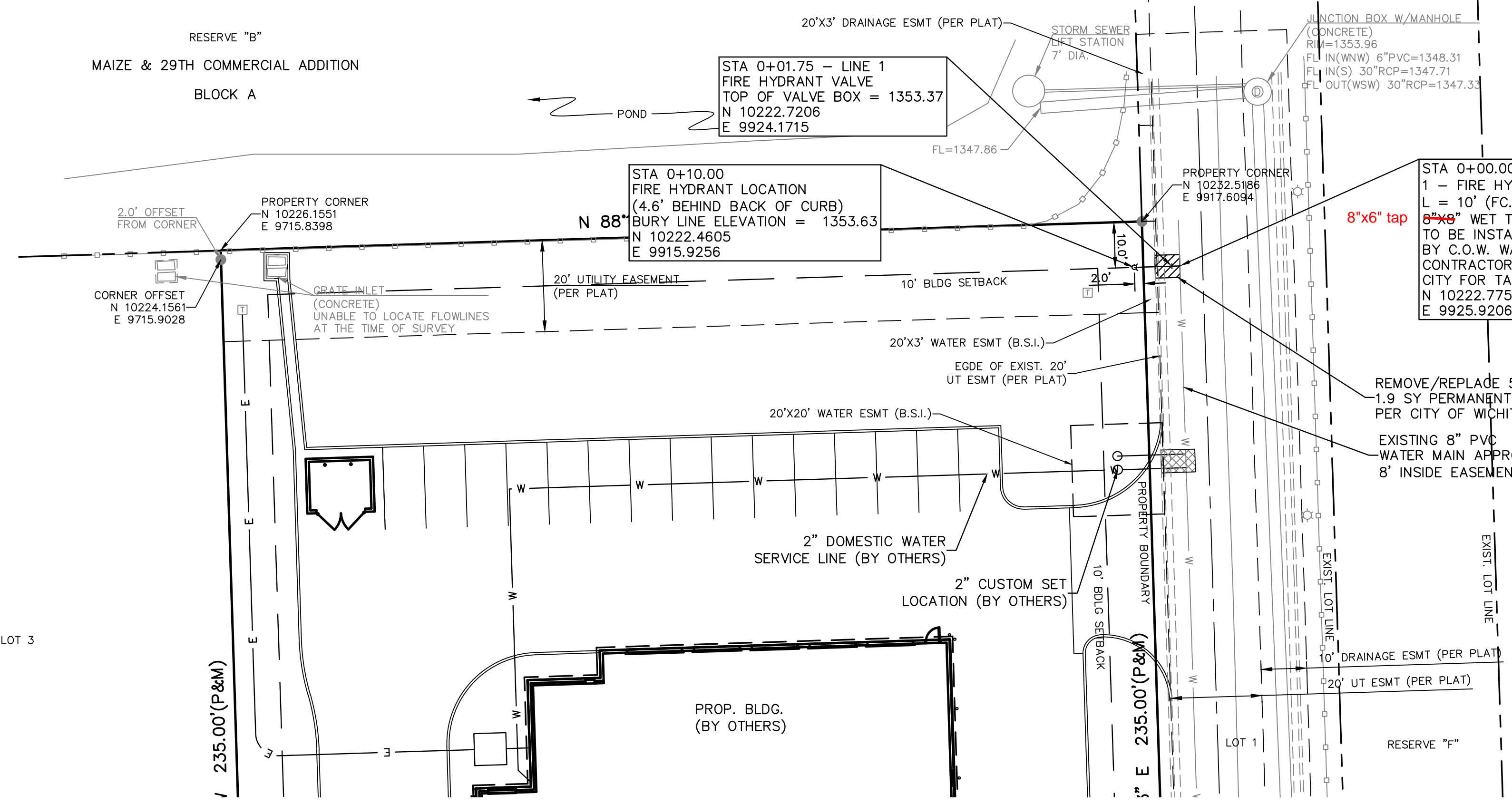
PUBLIC PROPERTY:
 Inspection and testing for the waterline is to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said inspection to be in accordance with the City of Wichita standard construction engineering practices and certified by a Licensed Professional 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 materials 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 the City of Wichita Fire Department and by a licensed Consulting Engineering Firm under contract with the Owner/Developer.
 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.

SAFETY NOTICE TO CONTRACTOR
 IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

WARRANTY / DISCLAIMER
 THE DESIGNS REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH ESTABLISHED PRACTICES OF CIVIL ENGINEERING FOR THE DESIGN FUNCTIONS AND USES INTENDED BY THE OWNER AT THIS TIME. HOWEVER, NEITHER KAW VALLEY ENGINEERING, INC NOR ITS PERSONNEL CAN OR DO WARRANTY THESE DESIGNS OR PLANS AS CONSTRUCTED, EXCEPT IN THE SPECIFIC CASES WHERE KAW VALLEY ENGINEERING PERSONNEL INSPECT AND CONTROL THE PHYSICAL CONSTRUCTION ON A CONTEMPORARY BASIS AT THE SITE.

CAUTION - NOTICE TO CONTRACTOR
 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 COMPANY 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 PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES AT LOCATIONS OF POSSIBLE CONFLICTS PRIOR TO ANY CONSTRUCTION.

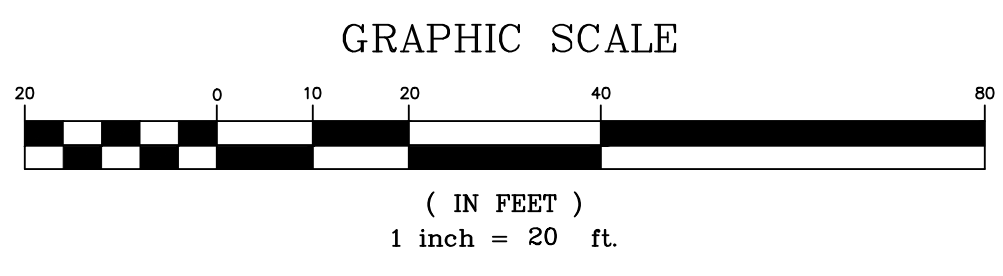


CLOW (STORZ)
FIRE HYD.
Sigma Fittings

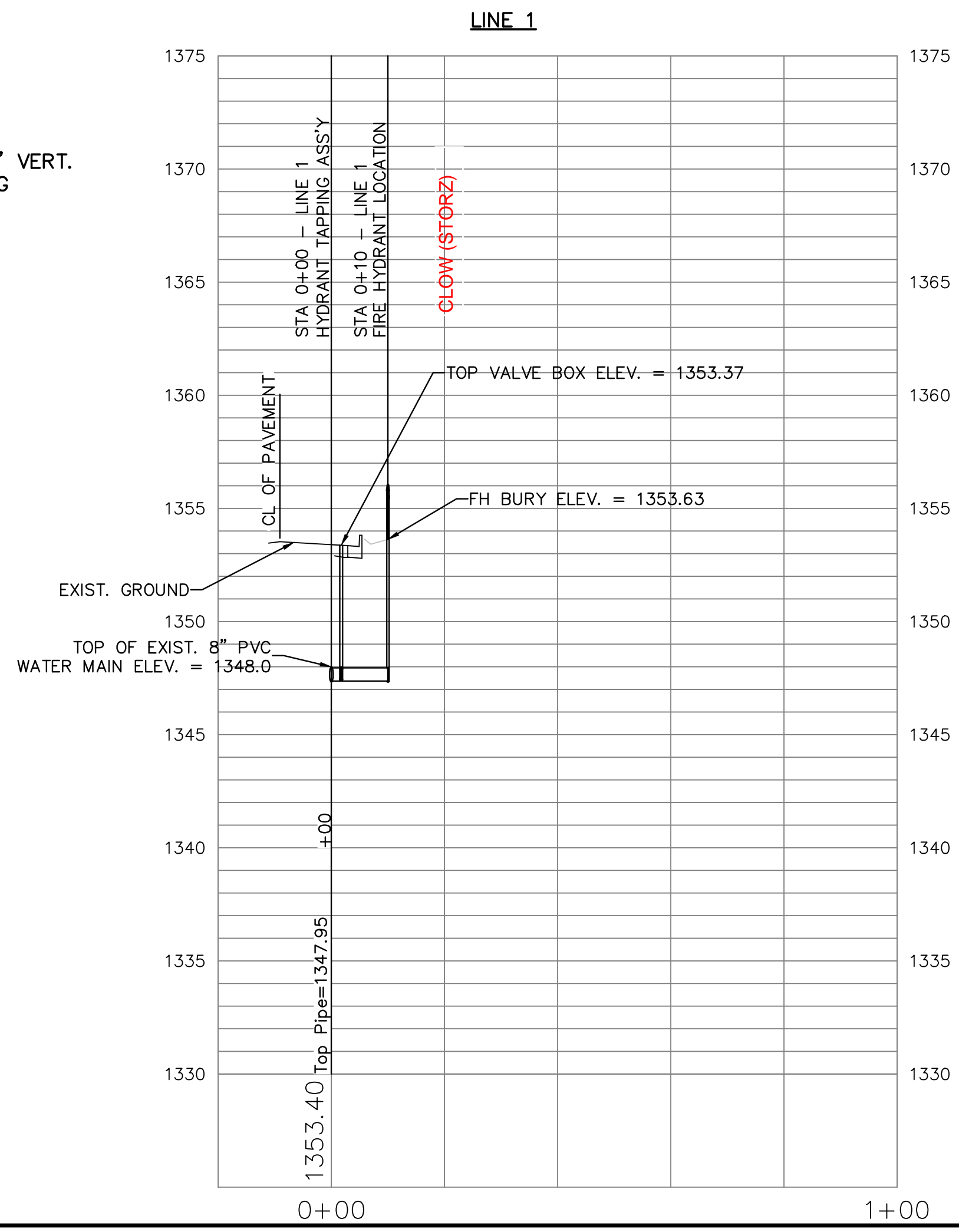
CLOW (STORZ)

From center of Median of 29th North,
North down center of East Sam's Drive 286.7'
From center of East Sam's Drive, 10' West to tapping valve
8'6" from FH valve to hydrant

NOTE:
1. THE CONTRACTOR SHALL PROVIDE 7 DAYS ADVANCE NOTICE TO THE SAMS CLUB MANAGER PRIOR TO DOING ANY WORK INSIDE THE EXISTING ACCESS EASEMENTS/DRIVE ISLES.
2. ALL WORK WITHIN THE ABOVE MENTIONED ACCESS EASEMENTS SHALL BE BACKFILLED WITH FLUSHED AND VIBRATED SAND.



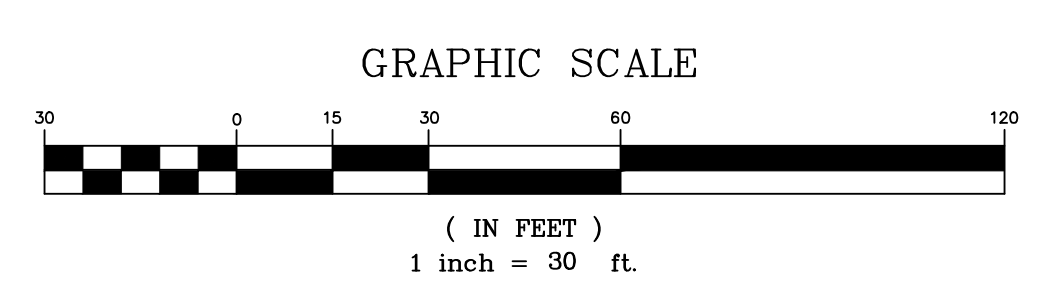
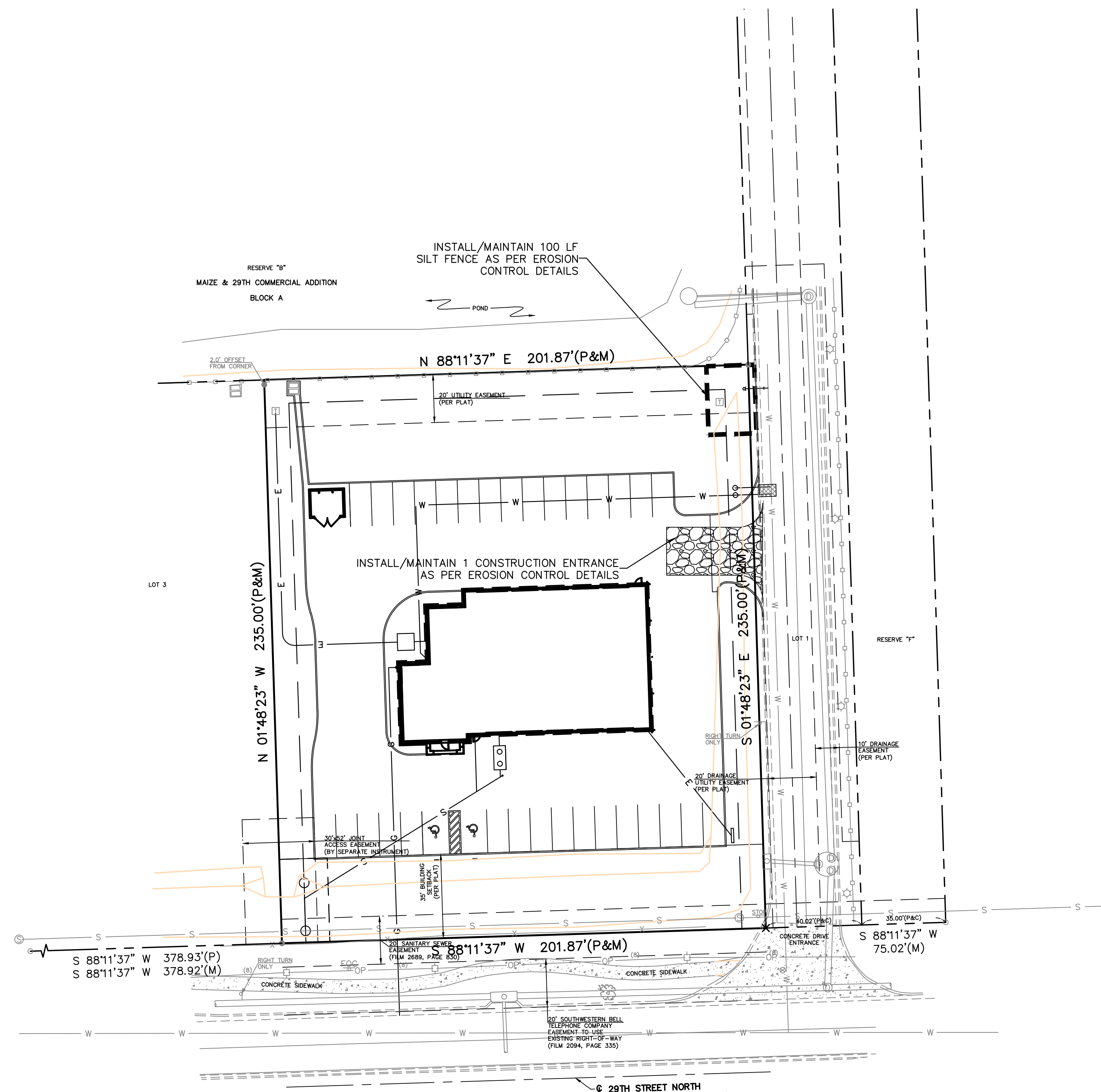
1" = 5' VERT. SCALING



AS BUILTS

117 E. Lewis,
Wichita, KS 67202 (316)264-0242

									CHK
									DWN
									DSN
									DESCRIPTION
									DATE
									REV
SCOTT R. SERVIS ENGINEER KS # 17874									
200 N. EMPORIA, SUITE 100 WICHITA, KANSAS 67202-4400-4309 PH: (316) 264-4400 www.kveeng.com info@kveeng.com									
KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES UNDER THE KANSAS STATE CERTIFICATE OF AUTHORIZATION # E-113. EXPIRES 12/31/16.									
CHRISTIAN BROTHERS AUTO. LOT 2, BLKA, MAIZE & 29TH COMM. ADDITION, WICHITA, KS									
PLAN & PROFILE									
PROJ. NO.		G14D0037							
DESIGNER	SRS	DRAWN BY		MLT					
CFN	0037WPP								
SHEET	04_WPP								



- EROSION & PROPOSED IMPROVEMENTS LEGEND:**
- 1218 --- EXISTING GROUND CONTOUR (1' INTERVALS)
 - 1218 PROPOSED FINISHED GROUND CONTOUR (1' INTERVALS)
 - SEDIMENTATION FENCE
 - /// INLET BARRIER
 - FLOW ARROW

LEGAL DESCRIPTION:
 LOT 2, BLOCK A, MAIZE AND 29TH COMMERCIAL ADDITION,
 WICHITA, SEDGWICK COUNTY, KANSAS.

DATUM BENCHMARK:
 CHISELED + ON TOP OF CURB 959± AND 4.4± NORTH OF
 THE SOUTHWEST CORNER OF SECTION 32-26-1 AS SHOWN ON
 THE MAIZE & 29TH COMMERCIAL ADDITION. ELEV=1352.18

PROJECT BENCHMARK:
 BM#1: CHISELED SQUARE SET ON THE SOUTHEAST CORNER OF
 A AREA INLET AT THE NORTHWEST CORNER OF SITE. ELEV=1353.00

BM#2: CHISELED SQUARE SET ON CONCRETE LIGHTPOLE BASE
 15± NORTH AND 33± EAST OF THE SOUTHEAST PROPERTY
 CORNER. ELEV=1354.63

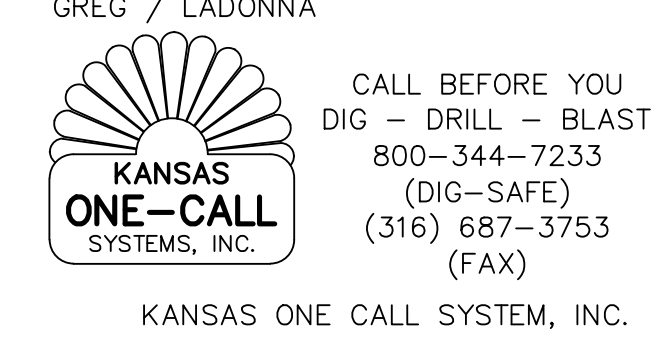
SAFETY NOTICE TO CONTRACTOR
 IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE
 CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR
 CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND
 PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL
 APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

WARRANTY / DISCLAIMER
 THE DESIGNS REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH
 ESTABLISHED PRACTICES OF CIVIL ENGINEERING FOR THE DESIGN FUNCTIONS
 AND USES INTENDED BY THE OWNER AT THIS TIME. HOWEVER, NEITHER
 KAW VALLEY ENGINEERING, INC NOR ITS PERSONNEL CAN OR DO
 WARRANTY THESE DESIGNS OR PLANS AS CONSTRUCTED, EXCEPT IN THE
 SPECIFIC CASES WHERE KAW VALLEY ENGINEERING PERSONNEL INSPECT AND
 CONTROL THE PHYSICAL CONSTRUCTION ON A CONTEMPORARY BASIS AT
 THE SITE.

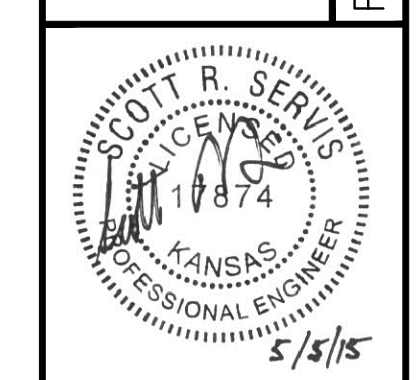
CAUTION - NOTICE TO CONTRACTOR
 THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR
 ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON
 RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE,
 MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE
 RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL
 THE APPROPRIATE UTILITY COMPANY 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 PROPOSED IMPROVEMENTS SHOWN ON THE
 PLANS.
**THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES AT LOCATIONS OF
 POSSIBLE CONFLICTS PRIOR TO ANY CONSTRUCTION.**

- GENERAL NOTES:**
- PROPERTY LINE IS LIMITS OF CONSTRUCTION EXCEPT AS SHOWN.
 - THE CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE DRAWINGS PRIOR TO BEGINNING EARTHWORK OPERATIONS.
 - THE CONTRACTOR SHALL MAINTAIN ALL SILT CONTROL MEASURES DURING CONSTRUCTION.
 - ALL SILT SHALL REMAIN ON SITE AND SURROUNDING STREETS SHALL BE KEPT CLEAR OF ALL MUD AND DEBRIS.
 - A SEDIMENTATION BARRIER IS TO BE INSTALLED AS SHOWN.
 - ACCUMULATED SEDIMENT SHALL BE REMOVED AND THE SEDIMENTATION BARRIERS MAINTAINED AS NEEDED TO PREVENT SEDIMENTATION BYPASS OF THE BARRIER.
 - SLOPES ARE TO BE LEFT IN A ROUGH CONDITION DURING GRADING.
 - CURB INLET SEDIMENTATION BARRIERS ARE TO BE INSTALLED AROUND INLETS AND WEIRS WHERE SEDIMENTATION IS A CONCERN. INLET BARRIERS SHALL BE EITHER BLOCK AND GRAVEL, OR SECURED STRAW BALES, OR SILT FENCE.
 - SEDIMENT IS TO BE REMOVED FROM STORM WATER DRAINAGE SYSTEMS.
 - RIPRAP IS TO BE INSTALLED AT AREAS OF CONCENTRATED FLOW (I.E. CULVERT OUTLETS).
 - CONTRACTOR IS RESPONSIBLE FOR INSTALLING ANY ADDITIONAL EROSION CONTROL AS HE/SHE DEEMS NECESSARY.
 - THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, TOOLS, EQUIPMENT AND LABOR AS NECESSARY TO INSTALL AND MAINTAIN ADEQUATE EROSION AND SILTATION CONTROLS REQUIRED TO PREVENT SOIL EROSION FROM LEAVING THE PROJECT SITE. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO ENSURE THAT METHODS UTILIZED ARE ADEQUATE AND COMPLY WITH REQUIREMENTS OF THE SPECIFICATIONS AND GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE WORK.
 - TEMPORARY SEDIMENT FENCE/STRAW BALES TO REMAIN UNTIL ADEQUATE VEGETATION IS ESTABLISHED.
 - MUD AND DEBRIS SHALL BE CLEANED UP AT THE CONCLUSION OF EACH WORKING DAY, OR AFTER EACH RAINFALL IF SILT IS PRESENT.
 - INSPECTION, MAINTENANCE AND REPAIR OF EROSION CONTROL DEVICES SHALL BE ON GOING THROUGHOUT THE LIFE OF BUILDING CONSTRUCTION TO KEEP THE DEVICES IN OPERABLE CONDITION AT ALL TIMES. ADDITIONAL MEASURES SHALL BE INSTALLED AS REQUIRED BY ACTUAL FIELD CONDITIONS AND/OR GOVERNING INSPECTION AGENCIES.
 - INSTALL CONSTRUCTION ENTRANCE AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING THE SITE AND AS SHOWN ON PLANS.
 - AT COMPLETION OF SITE GRADING AND OTHER RELATED CONSTRUCTION ACTIVITIES, ALL DISTURBED AREAS WITHIN THE PROJECT SITE SHALL BE SEED, SODDED, OR LANDSCAPED AS SHOWN ON THE LANDSCAPE PLAN WITHIN 14 DAYS.
 - TOPSOIL IS TO BE PLACED IN AREAS UNSUITABLE FOR VEGETATIVE GROWTH.
 - STRIP TOPSOIL PRIOR TO EXCAVATION, STOCKPILE AND SPREAD ONTO DISKED SUBGRADE (4" MIN) A THICKNESS OF 4 INCHES.
 - ROCK LINING (RIPRAP) SHALL BE DURABLE STONE CONTAINING A COMBINED TOTAL OF NOT MORE THAN 10 PERCENT OF EARTH, SAND, SHALE AND NON-DURABLE ROCK. AT LEAST 60 PERCENT OF THE MASS SHALL BE OF PIECES HAVING A MINIMUM WEIGHT OF 150 POUNDS OR MORE PER CUBIC FOOT.
 - THE CONTRACTOR SHALL HAVE THE RESPONSIBILITY FOR RESOLVING COMPLAINTS IN THE EVENT THAT COMPLAINTS OR DAMAGE CLAIMS ARE FILED DUE TO DAMAGES OCCURRING ADJACENT TO OR DOWNSTREAM FROM PROPERTY BY SEDIMENT RESULTING FROM EROSION ON THE PROJECT SITE.
 - GOOD HOUSEKEEPING PRACTICES SHALL BE MAINTAINED ON SITE TO KEEP SOLID WASTE FROM ENTRY INTO WATERS.
 - ALL FUELING FACILITIES PRESENT ON SITE SHALL ADHERE TO APPLICABLE FEDERAL AND STATE REQUIREMENTS CONCERNING UNDERGROUND STORAGE, ABOVE GROUND STORAGE AND DISPENSERS, INCLUDING SPILL PREVENTION, CONTROL AND COUNTER MEASURES.
 - RIGHT OF WAY TO BE STABILIZED AS REQUIRED BY APWA SECTION 2400.
 - EROSION CONTROL IS TO BE PLACED IN PHASING AS CONSTRUCTION PROGRESSES.
 - MINIMAL WASHING OF CONCRETE EQUIPMENT ALLOWED, CHUTE ETC. CONCRETE WASHOUT OF THE DRUM IS NOT ALLOWED. ANY PIT/WASHOUT AREA NEEDS TO BE MAINTAINED IN A NON-DISCHARGING MANNER AND ANY WASTE RESIDUE WILL NEED TO BE CLEANED OUT AND REMOVED AT THE END OF PROJECT.
 - CONTRACTOR/DEVELOPER IS RESPONSIBLE FOR HAVING LOT BUILDERS FOLLOW THE GUIDELINES OF "CONTROLLING EROSION WHEN BUILDING YOUR HOME" PROVIDED BY KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT.
 - EROSION CONTROL SEDIMENT FENCE TO BE INSTALLED 1'-0" BEHIND CURB & GUTTER UPON COMPLETION OF BACKFILL OF CURB IN ALL AREAS WHERE SLOPES FROM LOT DRAIN TOWARDS CURB. UPON COMPLETION OF FINAL GRADING THE TOES OF ALL EMBANKMENTS IN EXCESS OF TWO FEET IN HEIGHT WILL HAVE EROSION CONTROL SEDIMENT FENCE INSTALLED.
 - TEMPORARY SEEDING OF NATIVE GRASS MIX TO BE APPLIED ON ALL DISTURBED AREAS AS PER CITY OF WICHITA REQUIREMENTS. ALL SEEDING TO BE APPLIED AND WATERED AS NECESSARY TO ESTABLISH VEGETATION DENSE ENOUGH TO PREVENT SURFACE EROSION.

- | | | |
|---|--|--|
| GAS SERVICE
KANSAS GAS SERVICE
1021 E. 26TH ST. NORTH
WICHITA, KANSAS 67219
(316)832-3126
JAMES COE | TELEPHONE SERVICE
AT&T DISTRIBUTION
154 N. BROADWAY
WICHITA, KANSAS 67202
(316)268-2245
JOHN FAGEN | WATER & SANITARY SEWER SERVICE
WICHITA WATER DEPARTMENT
455 NORTH MAIN, 8TH FLOOR
WICHITA, KANSAS 67202
(316)268-4555
GREG / LADONNA |
| ELECTRIC SERVICE
WESTAR ENERGY
WICHITA, KANSAS
(316)261-6734
MARSHA JESSE | CABLE TELEVISION SERVICE
COX COMMUNICATIONS
701 EAST DOUGLAS
WICHITA, KANSAS 67202
(316)262-4270/263-2061 | CALL BEFORE YOU DIG - DRILL - BLAST
800-344-7233
(DIG-SAFE)
(316) 687-3753
(FAX) |



PROJ. NO.	G14D0037
DESIGNER	SRS
DRAWN BY	MLT
CFN	0037ECP
SHEET	05_ECP
REV	
DESCRIPTION	EROSION CONTROL PLAN
DATE	5/5/15
REV	
DATE	
DESCRIPTION	
DSN	DWN
CHK	CHK



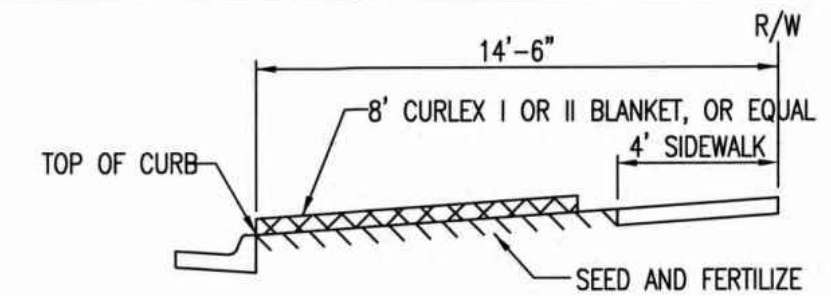
SCOTT R. SERVIS
 ENGINEER
 KS # 17874

200 N. EMPORIA, SUITE 100
 WICHITA, KANSAS 67203-4400-4309
 PH: (316) 268-4400
 www.kaveing.com | www.kveing.com

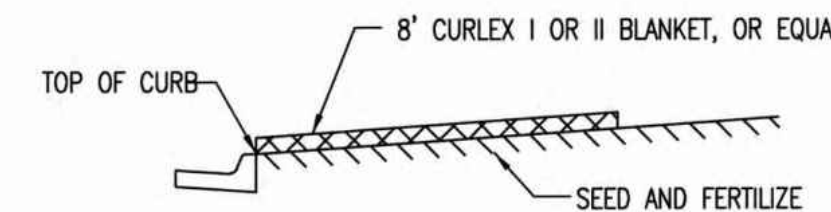


KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES IN THE STATE OF KANSAS UNDER CERTIFICATE OF AUTHORIZATION # E-113. EXPIRES 12/31/16

CHRISTIAN BROTHERS AUTO.
LOT 2, BLK A, MAIZE & 29TH COMM.
ADDITION, WICHITA, KS

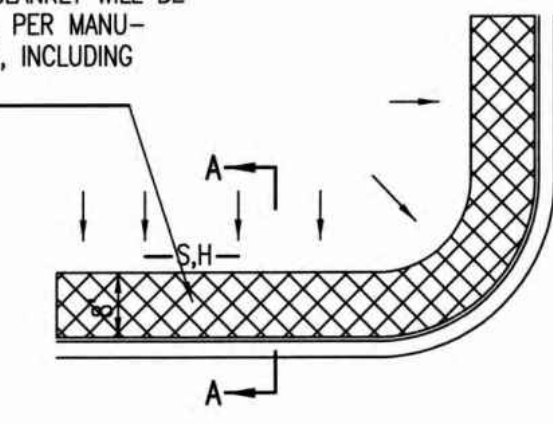


SECTION B-B

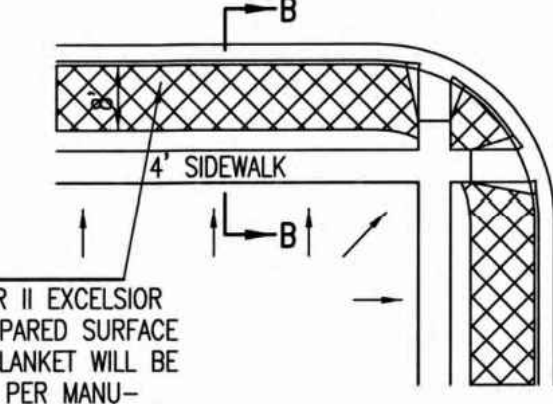


SECTION A-A

INSTALL 8' WIDE CURLEX I OR II EXCELSIOR BLANKET, OR EQUAL, ON PREPARED SURFACE BACK OF CURB. EDGE OF BLANKET WILL BE AT BACK OF CURB. INSTALL PER MANUFACTURERS RECOMMENDATION, INCLUDING STAPLES. (SEE DETAIL)



SOUTH STREET

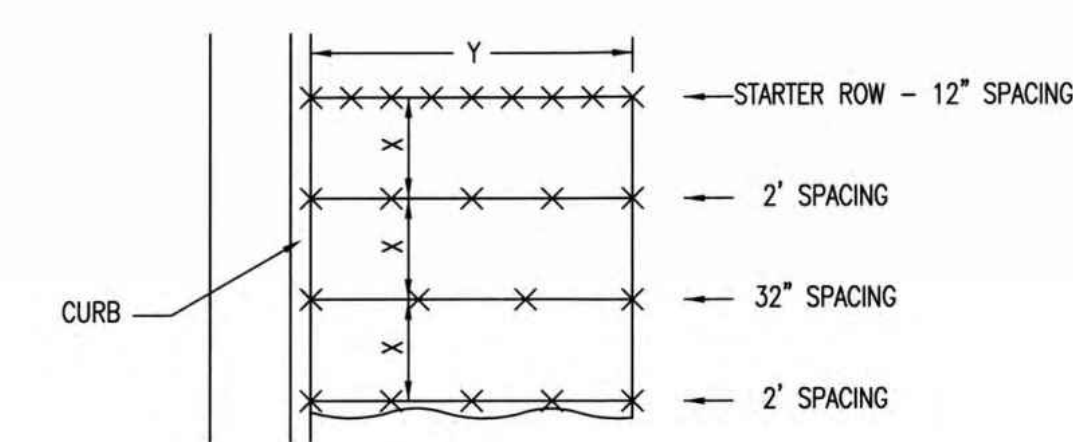


INSTALL 8' WIDE CURLEX I OR II EXCELSIOR BLANKET, OR EQUAL, ON PREPARED SURFACE BACK OF CURB. EDGE OF BLANKET WILL BE AT BACK OF CURB. INSTALL PER MANUFACTURERS RECOMMENDATION, INCLUDING STAPLES. (SEE DETAIL)

GENERAL NOTES

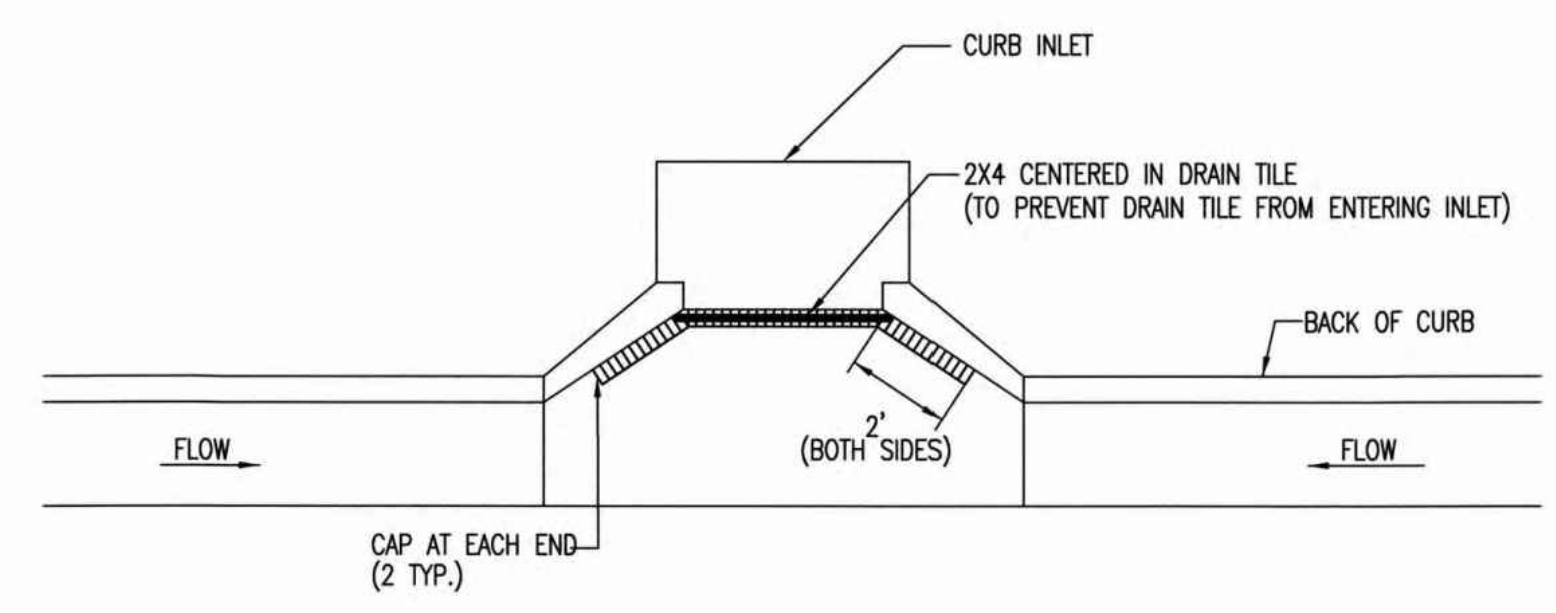
- EXCELSIOR MAT TO BE INSTALLED WHEN SOD IS NOT SPECIFIED ON PROJECT.
- EXCELSIOR BLANKET TO BE INSTALLED OVER SEED AND FERTILIZER, AS SPECIFIED IN THE PROJECT SPECIFICATIONS.
- AFTER INSTALLATION OF EXCELSIOR BLANKET, AT LOCATIONS WHERE CONCENTRATED FLOW CARRIES SEDIMENT OVER THE CURB AND INTO THE GUTTER, SUPPLEMENTAL EROSION CONTROL DEVICES WILL BE INSTALLED BY THE CONTRACTOR AS NEEDED, TO FIX THE PROBLEM.

BACK OF CURB PROTECTION DETAIL



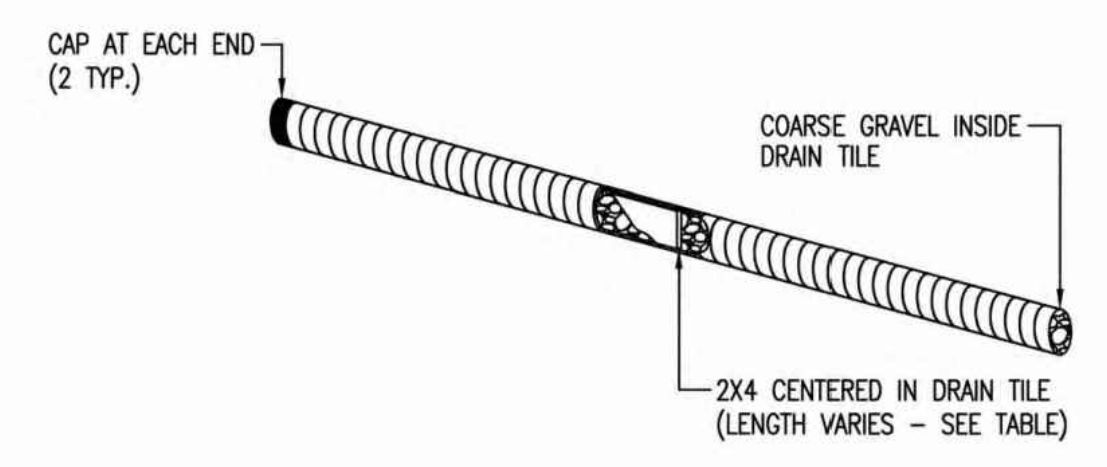
NOTES: USE 6" SEAM OVERLAP (X & Y = RECOMMENDED BY MANUFACTURE)

DETAILS FOR APPROVED EROSION CONTROL MAT

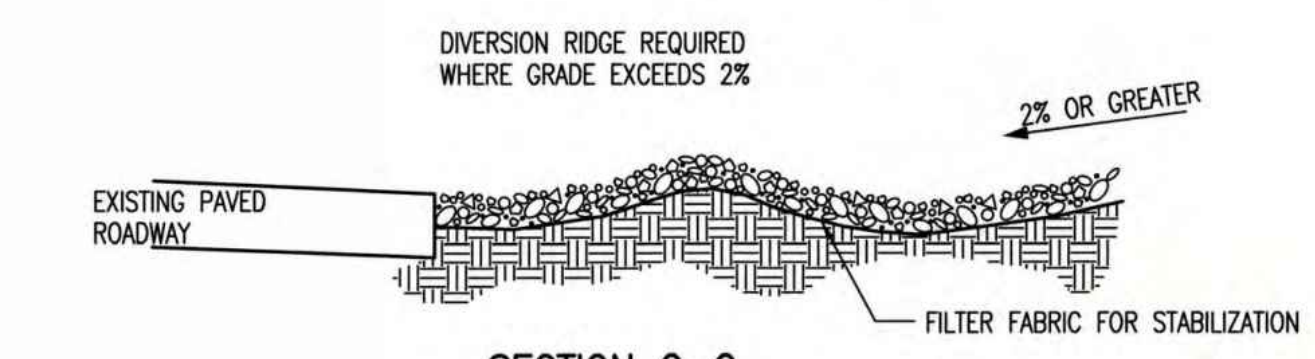


NOTE: PLACE 4" PERFORATED PVC PIPE, FILLED WITH 1/2"-1" DIA. GRAVEL, IN FRONT OF CURB INLET AS SHOWN.

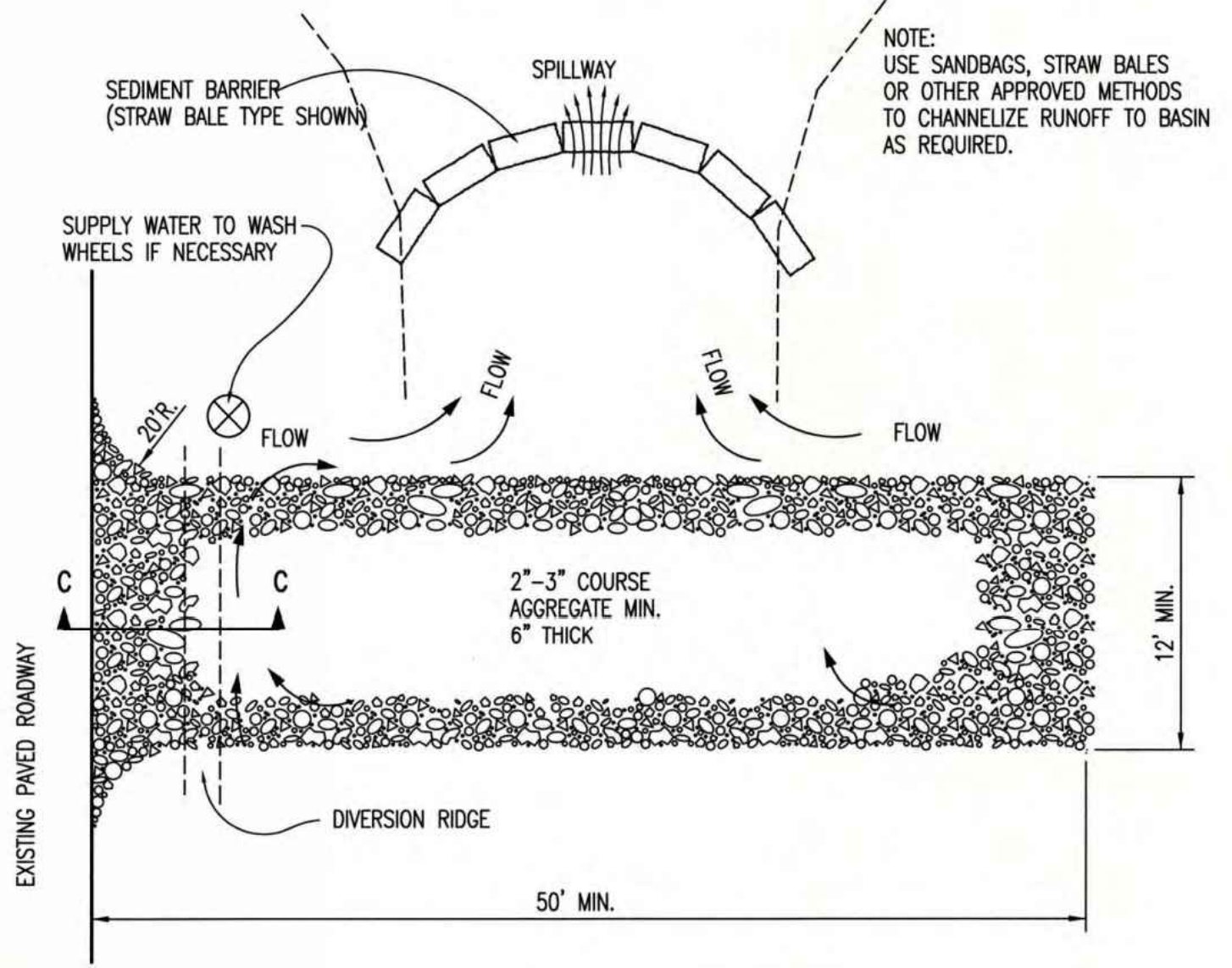
2X4 LENGTH	INLET TYPE	INLET OPENING
5'-6"	1-A	5'-0"
10'-6"	1-A	10'-0"
15'-6"	1-A	15'-0"



CURB INLET PROTECTION
4" PERFORATED PIPE W/ GRAVEL



SECTION C-C



STABILIZED CONSTRUCTION ENTRANCE

GENERAL NOTES

- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
- WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN, AS SHOWN ABOVE.
- DRIVE ENTRANCES ONTO RESIDENTIAL LOTS WILL NOT BE REQUIRED TO HAVE THE SEDIMENT BARRIER SHOWN, BUT WHEEL WASHING MAY BE REQUIRED IF STABILIZED ENTRANCE IS NOT SUFFICIENT TO KEEP MUD FROM BEING TRACKED ONTO ADJACENT STREET. ENTRANCE SHALL EXTEND FROM BACK OF CURB TO DWELLING.

CITY OF WICHITA
PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

REVISION DATE: MAY 2013

BACK OF CURB PROTECTION,
CURB INLET PROTECTION AND
CONSTRUCTION ENTRANCE

CITY ENGINEER
GARY JANZEN, P.E.

PROJECT NUMBER	OCA NUMBER	DATE
CITY ENGINEER'S OFFICE	SHEET	
CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		



05/12/13

SW-501

SCOTT R. SERVIS KANSAS PROFESSIONAL ENGINEER 1/8/74	DESCRIPTION
REV	DATE
DSN	DWN
CHK	CHK
SCOTT R. SERVIS ENGINEER KS # 17874	EROSION CONTROL DETAILS
200 N. EMPORIA, SUITE 100 WICHITA, KANSAS 67203-4400-4309 PH: (316) 268-4501 www.kveeng.com info@kveeng.com	CHRISTIAN BROTHERS AUTO. LOT 2, BLK A, MAIZE & 29TH COMM. ADDITION, WICHITA, KS
KAW VALLEY ENGINEERING KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES UNDER THE KANSAS STATE CERTIFICATE OF AUTHORIZATION # E-113. EXPIRES 12/31/16	PROJ. NO. G14D0037 DESIGNER SRS CFN SHEET 0037WDET 06_BMP
	DRAWN BY MLT REVISION

