

USD 320 BUS FACILITY & HIGH SCHOOL PARKING IMPROVEMENTS

MARCH 2018

NOTES:

1. ALL CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH THE OWNER.
2. ALL CONSTRUCTION WORK AND UTILITY WORK OUTSIDE OF THE PROPERTY BOUNDARIES SHALL BE PERFORMED IN COOPERATION WITH AND IN ACCORDANCE WITH REGULATIONS OF THE AUTHORITIES CONCERNED.
3. EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORD DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED. THE CONTRACTOR SHALL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION. THREE (3) WORKING DAYS PRIOR TO CONSTRUCTION OF EACH PHASE OF THE PROJECT, THE CONTRACTOR SHALL BE REQUIRED TO FIELD VERIFY THE LOCATION AND ELEVATIONS OF EXISTING UTILITIES. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE NECESSARY PERMITS AND APPROVALS FROM APPROPRIATE REGULATORY AGENCIES (IF APPLICABLE) PRIOR TO COMMENCING THE WORK.
5. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY PINS, BENCH MARKS, REFERENCE POINTS, STAKES, AND SECTION CORNERS. THE CONTRACTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY 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. NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR THIS WORK AS IT SHALL BE CONSIDERED SUBSIDIARY TO OTHER ITEMS IN THE CONTRACT.
7. CONSTRUCTION METHODS & MATERIALS NOT SPECIFIED ON THESE PLANS SHALL MEET OR EXCEED STANDARD SPECIFICATIONS OF THE CITY OF WAMEGO.



PROJECT LOCATION

INDEX TO SHEETS

- C1 TITLE SHEET
- C2 BUS FACILITY DEMOLITION PLAN
- C3 BUS FACILITY SITE PLAN
- C4 BUS FACILITY GRADING PLAN
- C5 BUS FACILITY HORIZONTAL & VERTICAL CONTROL PLAN
- C6 BUS FACILITY JOINT PLAN
- C7 BUS FACILITY SESC PLAN
- C8 HIGH SCHOOL PARKING SITE PLAN
- C9 HIGH SCHOOL PARKING STORM SEWER
- C10 HIGH SCHOOL PARKING CROSS SECTIONS

**SITE MAP
(NOT TO SCALE)**

PROJECT ENGINEER BRETT M. LOUK, P.E.
SMH CONSULTANTS, P.A.
2017 VANESTA PLACE, SUITE 110
MANHATTAN, KS 66503
(785) 776-0541
blouk@smhconsultants.com

USD 320 TIM WINTER, SUPERINTENDENT
1008 8TH STREET
WAMEGO, KS 66547
(785) 456-7643
winter@usd320.com



CALL BEFORE YOU DIG - DRILL - BLAST
800-344-7233
(DIG-SAFE)
(316) 687-3753
(FAX)

KANSAS ONE CALL SYSTEM, INC.

The utilities as shown on this drawing were developed from the information available. This is not implied nor intended to be the complete inventory of utilities in this area. It is the clients/contractors responsibility to verify the location of all utilities (whether shown or not) and protect said utilities from any damage. Confirmation Numbers 17093029, 17296016, 17295974.

WATER & SEWER CITY OF WAMEGO
430 LINCOLN AVENUE
WAMEGO, KS 66547
(785) 456-9119

ELECTRIC CITY OF WAMEGO
430 LINCOLN AVENUE
WAMEGO, KS 66547
(785) 456-9119

WESTAR ENERGY
DAN LUTHI
225 SETH CHILD ROAD
MANHATTAN, KS 66502
(785) 587-2325

TELEPHONE WTC TELEPHONE SERVICE
ANDY BOECKMAN
1005 LINCOLN AVENUE
WAMEGO, KS 66547
(785) 456-1000

CABLE COX COMMUNICATIONS
GLENN CALHOON
931 SW HENDERSON
TOPEKA, KS 66615
(785) 215-6705

GAS KANSAS GAS SERVICE
JULIE ROBLER
225 SETH CHILD ROAD
MANHATTAN, KS 66502
(785) 587-2339

CAUTION - NOTICE TO CONTRACTOR:

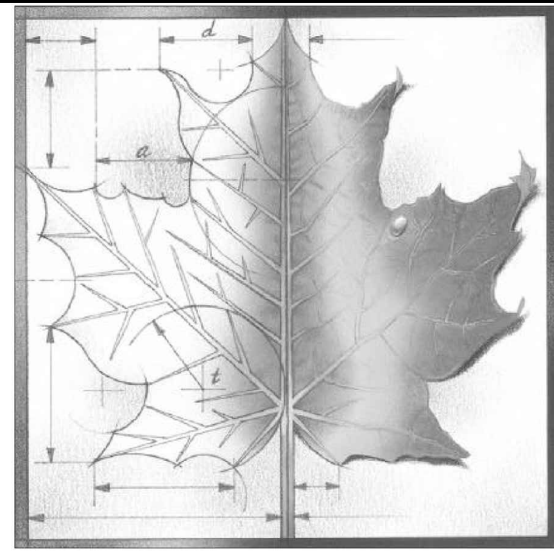
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST THE 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. THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES AT LOCATIONS OF POSSIBLE CONFLICTS PRIOR TO ANY CONSTRUCTION.

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 THE 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 SMH CONSULTANTS NOR ITS PERSONNEL CAN OR DO WARRANTY THESE DESIGNS OR PLANS AS CONSTRUCTED, EXCEPT IN THE SPECIFIC CASES WHERE SMH CONSULTANTS INSPECTS AND CONTROLS THE PHYSICAL CONSTRUCTION ON THE SITE.



BBN

BBN ARCHITECTS INC
228 POYNIZ AVENUE
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WWW.BBNARCHITECTS.COM

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Manhattan, KS 66503
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REV	DESCRIPTION	DATE
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REV	DESCRIPTION	DATE



Project Number: **16036**

Date: **3/29/2018**

Project Name: **USD 320 BUS FACILITY & HIGH SCHOOL PARKING IMPROVEMENTS**

Project Address: **WAMEGO, KS**

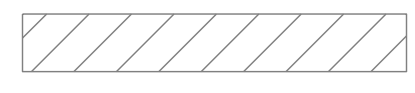

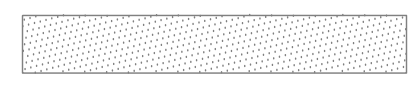

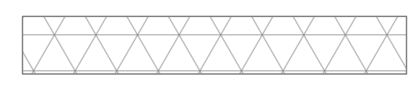
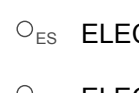




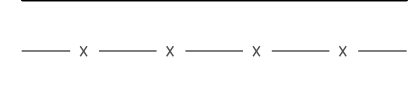

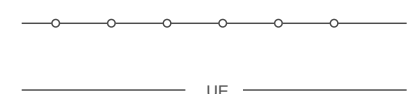

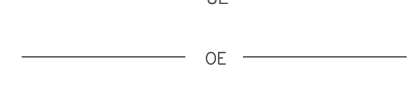





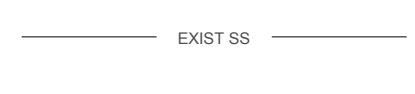


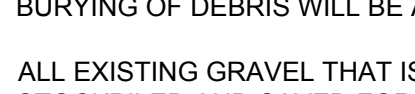
Sheet Title:

TITLE SHEET

Sheet: **C1**

Of:

LEGEND

- | | | | |
|--|--|---|------------------------|
|  | EXISTING CONCRETE TO BE REMOVED |  | GATE POST |
|  | EXISTING CONCRETE TO REMAIN |  | LIGHT POLE |
|  | EXISTING GRAVEL TO BE REMOVED, SEE NOTES |  | POWER POLE |
|  | EXISTING GRAVEL TO REMAIN |  | ELECTRICAL SERVICE |
|  | EXISTING BUILDING |  | ELECTRIC METER |
|  | CHAIN LINK FENCE |  | TELEPHONE BOX |
|  | WIRE FENCE |  | TELEPHONE PEDESTAL |
|  | UNDERGROUND ELECTRIC |  | GAS METER |
|  | OVERHEAD ELECTRIC |  | SANITARY SEWER MANHOLE |
|  | FIBER OPTIC |  | WATER METER |
|  | GAS LINE | | |
|  | WATER SERVICE | | |
|  | EXISTING SANITARY SEWER | | |
|  | EXISTING SANITARY SEWER SERVICE | | |

NOTES:

ALL DEMOLITION DEBRIS SHALL BE REMOVED FROM THE SITE. NO ON-SITE BURYING OF DEBRIS WILL BE ALLOWED.

ALL EXISTING GRAVEL THAT IS TO BE REMOVED FROM THE SITE SHALL BE STOCKPILED AND SAVED FOR USE BY USD 320. CONTRACTOR TO COORDINATE LOCATION OF STOCKPILE WITH USD 320.

ALL HAUL SITES SELECTED FOR COLLECTION OF DEBRIS SHALL BE APPROVED BY THE OWNER/ENGINEER.

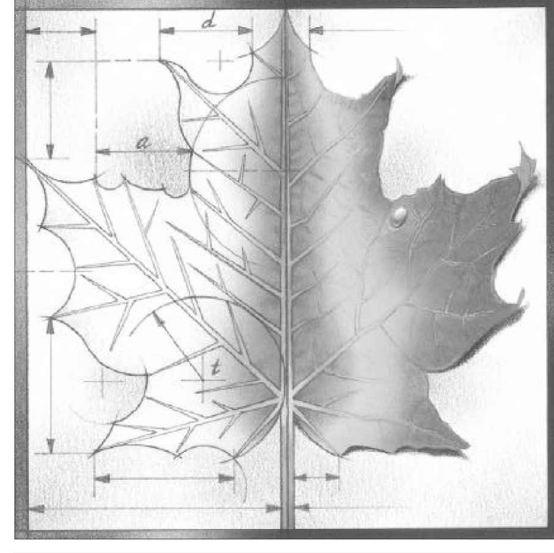
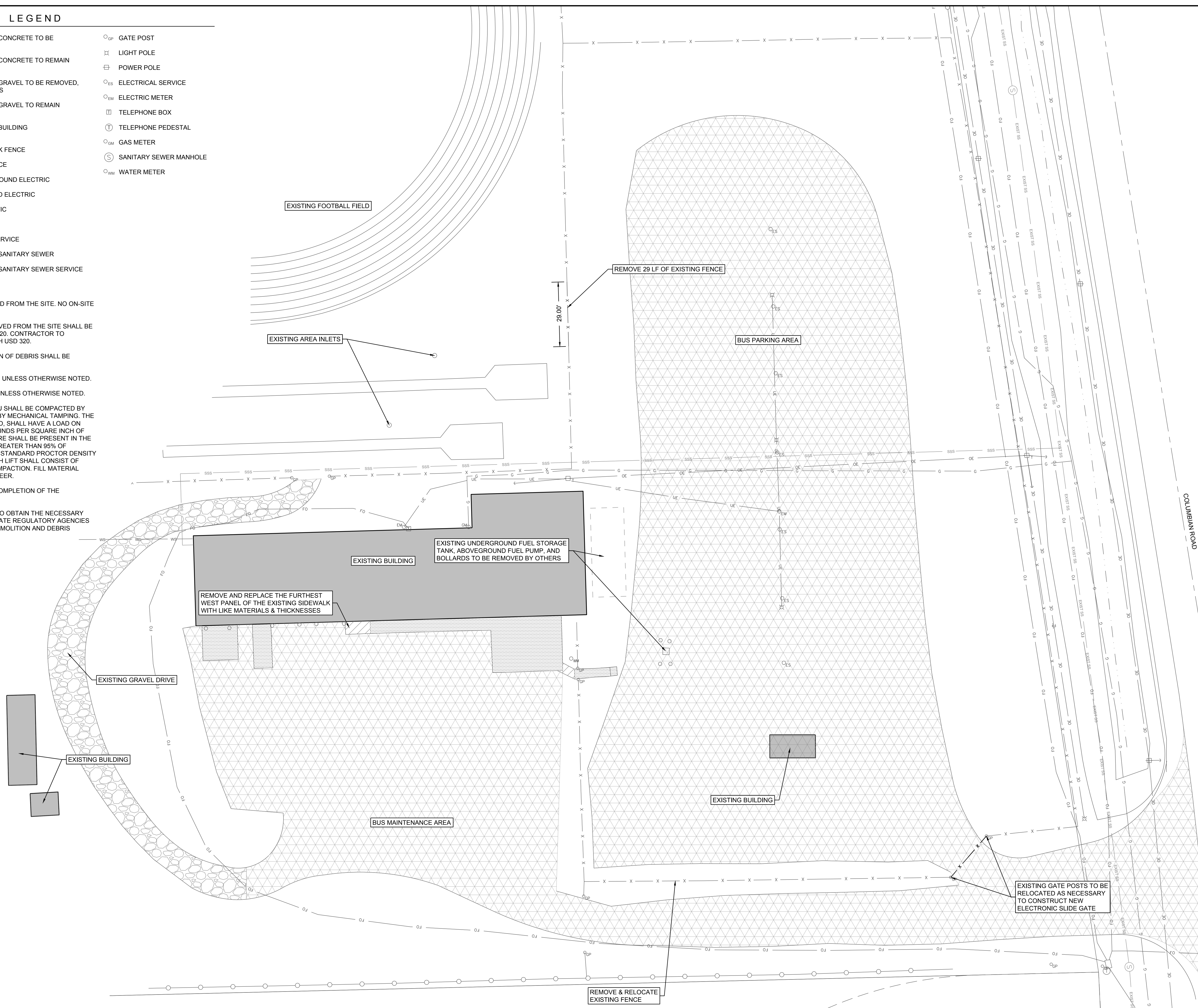
ALL EXISTING STRUCTURES ARE TO REMAIN UNLESS OTHERWISE NOTED.

ALL EXISTING SIDEWALKS ARE TO REMAIN UNLESS OTHERWISE NOTED.

ALL SOIL BROUGHT TO THE SITE AND IN SITU SHALL BE COMPACTED BY ROLLING WITH A SHEEPSFOOT ROLLER OR BY MECHANICAL TAMPING. THE SHEEPSFOOT ROLLER, WHEN FULLY LOADED, SHALL HAVE A LOAD ON EACH TAMPER FOOT NO LESS THAN 200 POUNDS PER SQUARE INCH OF CROSS-SECTIONAL AREA. ENOUGH MOISTURE SHALL BE PRESENT IN THE SOIL TO OBTAIN A DENSITY EQUAL TO OR GREATER THAN 95% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR DENSITY TEST BEFORE PLACING THE NEXT LIFT. EACH LIFT SHALL CONSIST OF 8-INCH LOOSE LIFTS OR LESS PRIOR TO COMPACTION. FILL MATERIAL SHALL BE APPROVED BY A LICENSED ENGINEER.

SITE SHALL BE GRADED TO DRAIN AT THE COMPLETION OF THE DEMOLITION.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE NECESSARY PERMITS AND APPROVALS FROM APPROPRIATE REGULATORY AGENCIES (IF APPLICABLE) PRIOR TO COMMENCING DEMOLITION AND DEBRIS REMOVAL.



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SCALE: 1" = 20'

REV	DESCRIPTION	DATE

Project Number: **16036**
Date: **3/29/2018**

Project Name:
USD 320 BUS FACILITY & HIGH SCHOOL PARKING IMPROVEMENTS





Project Address:
WAMEGO, KS

Sheet Title:
BUS FACILITY DEMOLITION PLAN

Sheet:
C2

Of:

LEGEND

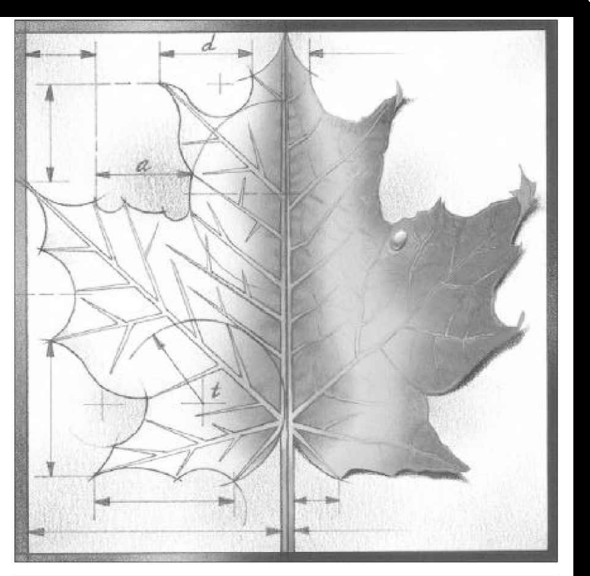
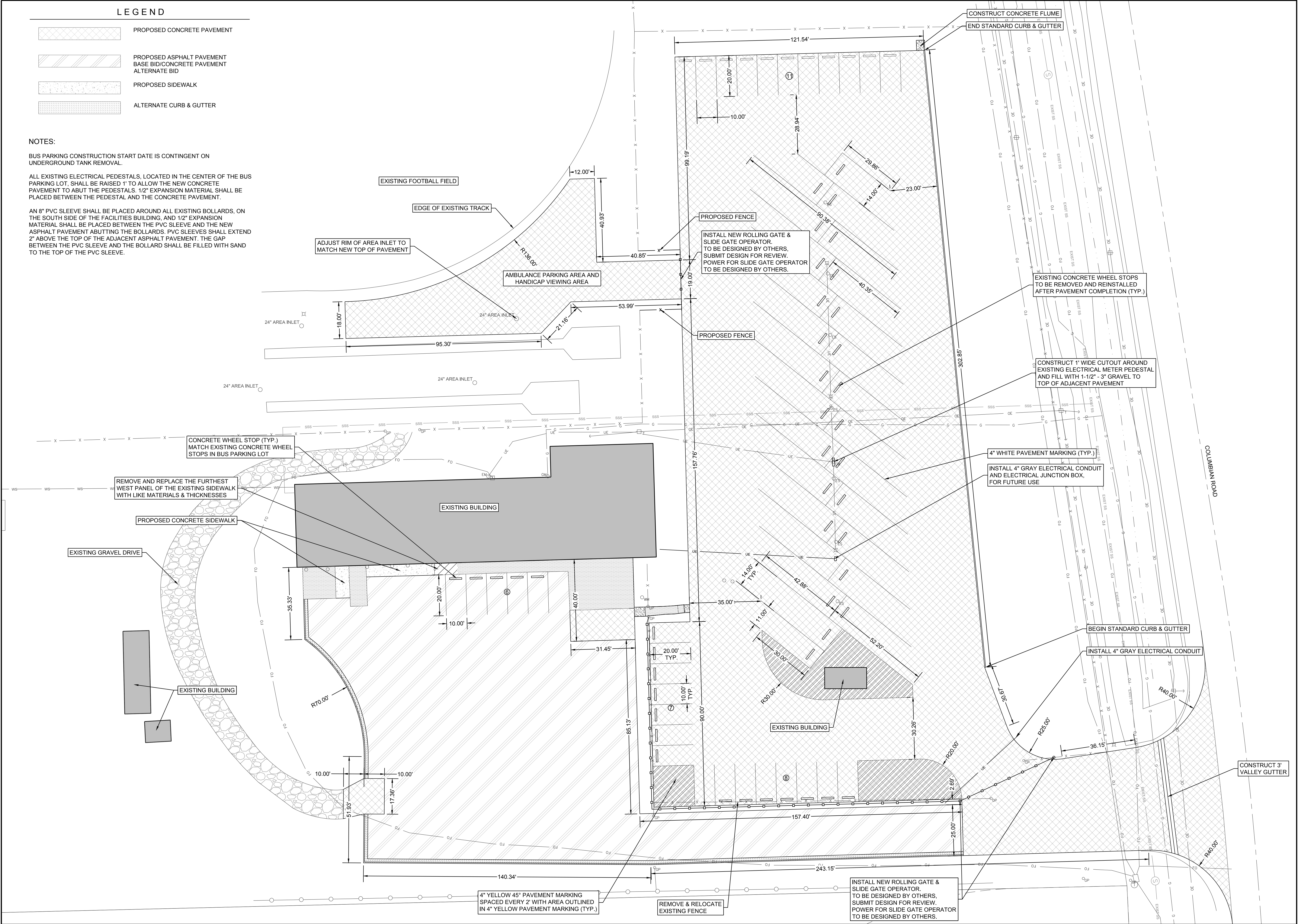
-  PROPOSED CONCRETE PAVEMENT
-  PROPOSED ASPHALT PAVEMENT
BASE BID/CONCRETE PAVEMENT
ALTERNATE BID
-  PROPOSED SIDEWALK
-  ALTERNATE CURB & GUTTER

NOTES:

BUS PARKING CONSTRUCTION START DATE IS CONTINGENT ON UNDERGROUND TANK REMOVAL.

ALL EXISTING ELECTRICAL PEDESTALS, LOCATED IN THE CENTER OF THE BUS PARKING LOT, SHALL BE RAISED 1' TO ALLOW THE NEW CONCRETE PAVEMENT TO ABUT THE PEDESTALS. 1/2" EXPANSION MATERIAL SHALL BE PLACED BETWEEN THE PEDESTAL AND THE CONCRETE PAVEMENT.

AN 8" PVC SLEEVE SHALL BE PLACED AROUND ALL EXISTING BOLLARDS, ON THE SOUTH SIDE OF THE FACILITIES BUILDING, AND 1/2" EXPANSION MATERIAL SHALL BE PLACED BETWEEN THE PVC SLEEVE AND THE NEW ASPHALT PAVEMENT ABUTTING THE BOLLARDS. PVC SLEEVES SHALL EXTEND 2" ABOVE THE TOP OF THE ADJACENT ASPHALT PAVEMENT. THE GAP BETWEEN THE PVC SLEEVE AND THE BOLLARD SHALL BE FILLED WITH SAND TO THE TOP OF THE PVC SLEEVE.



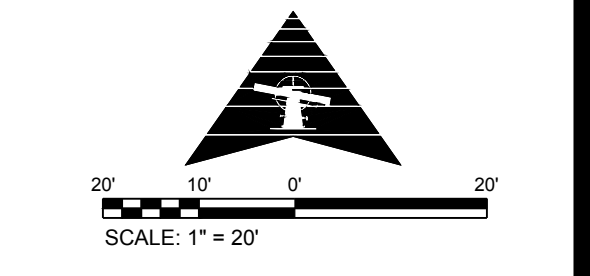
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REV	DESCRIPTION	DATE
REVISIONS:		
▲		
▲		
▲		
▲		

Project Number: **16036**
Date: **3/29/2018**

Project Name:
USD 320 BUS FACILITY & HIGH SCHOOL PARKING IMPROVEMENTS

Project Address:
WAMEGO, KS

Sheet Title:
BUS FACILITY SITE PLAN

Sheet:
C3

Of:

NOTES:

ALL SOIL BROUGHT TO THE SITE AND IN SITU SHALL BE COMPACTED BY ROLLING WITH A SHEEPSFOOT ROLLER OR BY MECHANICAL TAMPING. THE SHEEPSFOOT ROLLER, WHEN FULLY LOADED, SHALL HAVE A LOAD ON EACH TAMPER FOOT NO LESS THAN 200 POUNDS PER SQUARE INCH OF CROSS-SECTIONAL AREA. ENOUGH MOISTURE SHALL BE PRESENT IN THE SOIL TO OBTAIN A DENSITY EQUAL TO OR GREATER THAN 95% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR DENSITY TEST BEFORE PLACING THE NEXT LIFT. EACH LIFT SHALL CONSIST OF 8-INCH LOOSE LIFTS OR LESS PRIOR TO COMPACTION. FILL MATERIAL SHALL BE APPROVED BY A LICENSED ENGINEER.

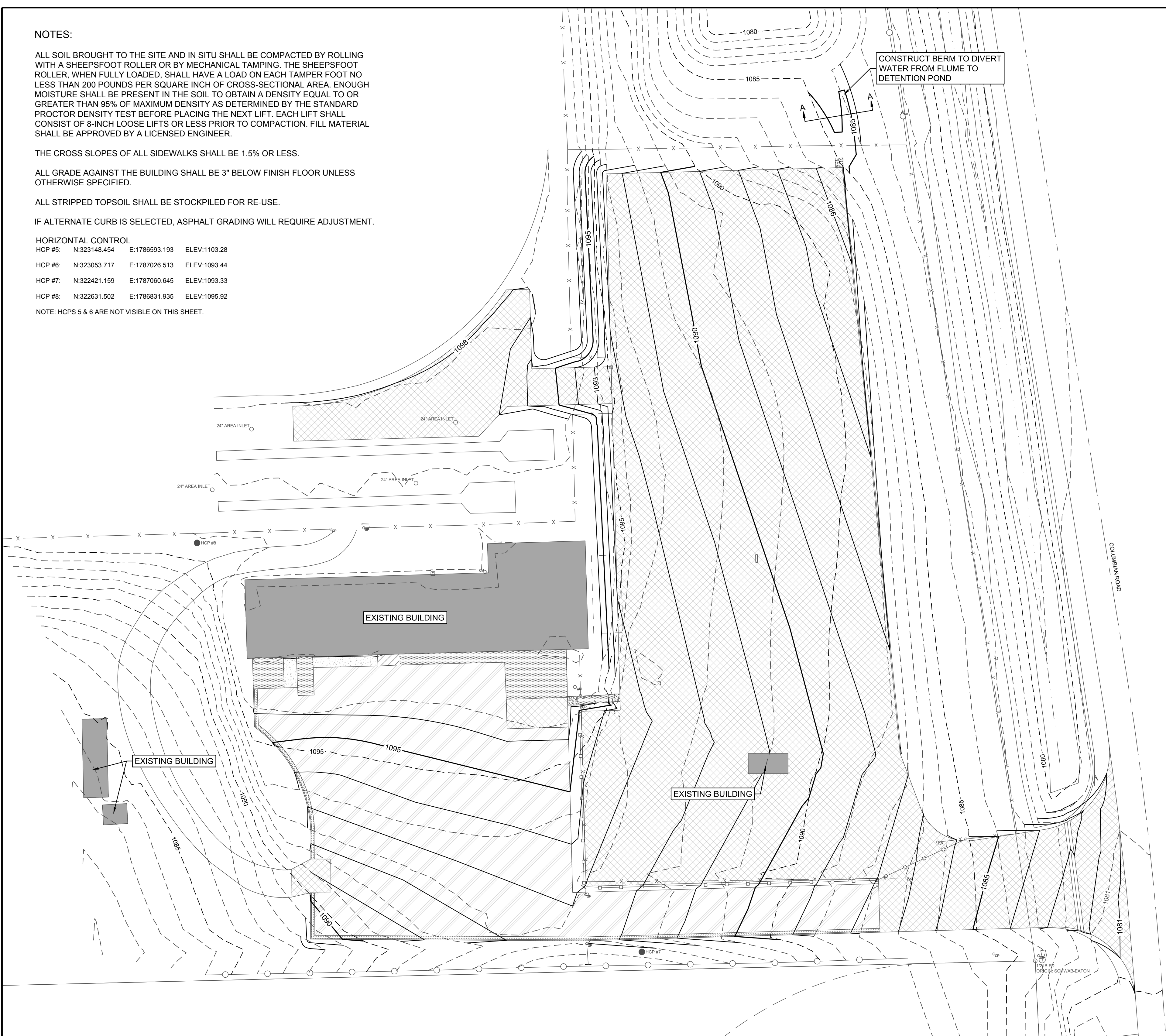
THE CROSS SLOPES OF ALL SIDEWALKS SHALL BE 1.5% OR LESS.

ALL GRADE AGAINST THE BUILDING SHALL BE 3" BELOW FINISH FLOOR UNLESS OTHERWISE SPECIFIED.

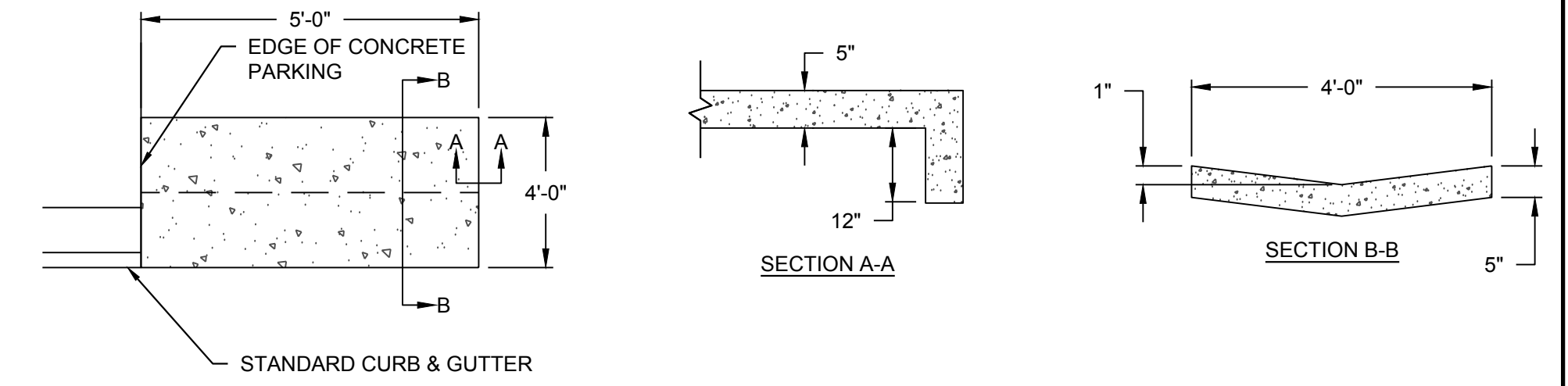
ALL STRIPPED TOPSOIL SHALL BE STOCKPILED FOR RE-USE.

IF ALTERNATE CURB IS SELECTED, ASPHALT GRADING WILL REQUIRE ADJUSTMENT.

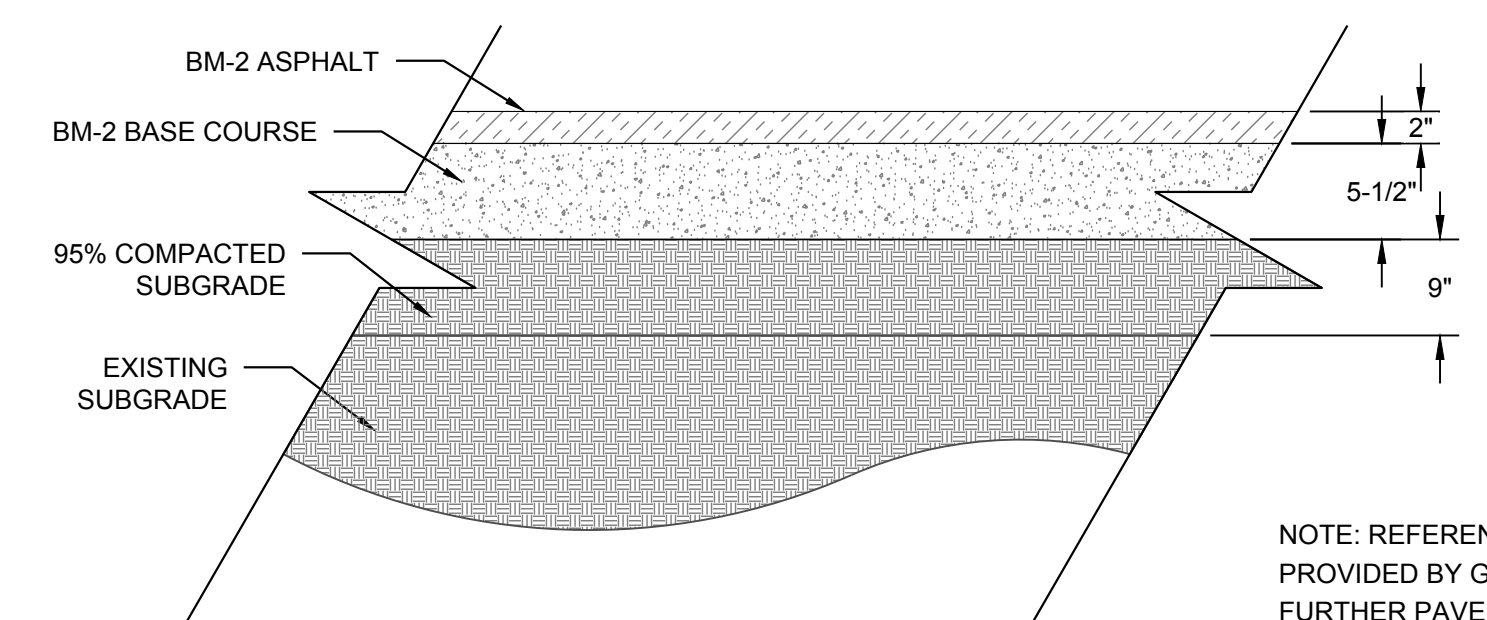
HORIZONTAL CONTROL
 HCP #5: N:323148.454 E:1786593.193 ELEV:1103.28
 HCP #6: N:323053.717 E:1787026.513 ELEV:1093.44
 HCP #7: N:322421.159 E:1787060.645 ELEV:1093.33
 HCP #8: N:322631.502 E:1786831.935 ELEV:1095.92
 NOTE: HCPs 5 & 6 ARE NOT VISIBLE ON THIS SHEET.



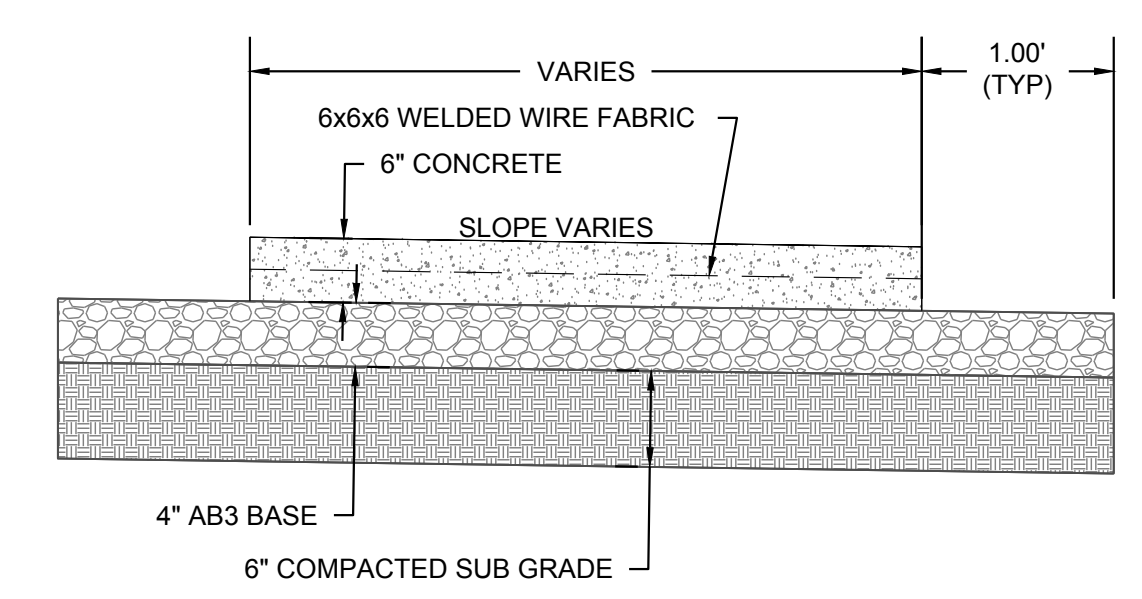
CONSTRUCT BERM TO DIVERT WATER FROM FLUME TO DETENTION POND



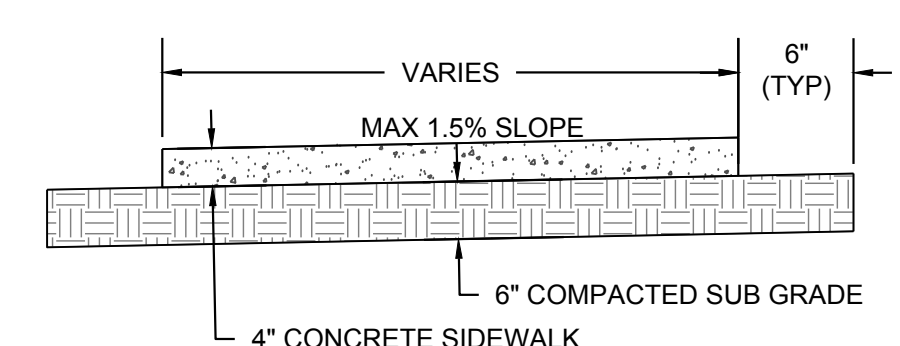
CONCRETE FLUME DETAIL
NOT TO SCALE



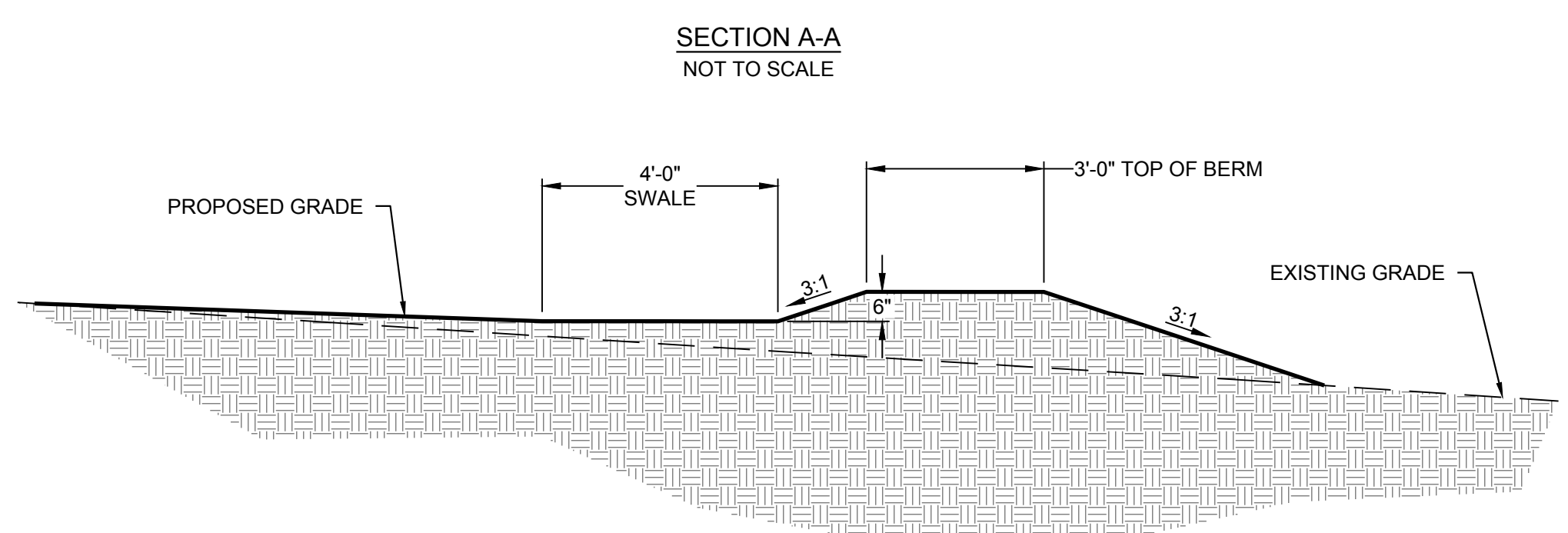
ASPHALT PAVEMENT DETAIL
NOT TO SCALE



PARKING LOT PAVING DETAIL
NOT TO SCALE

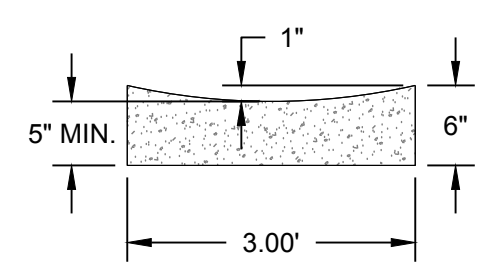


SIDEWALK DETAIL
NOT TO SCALE



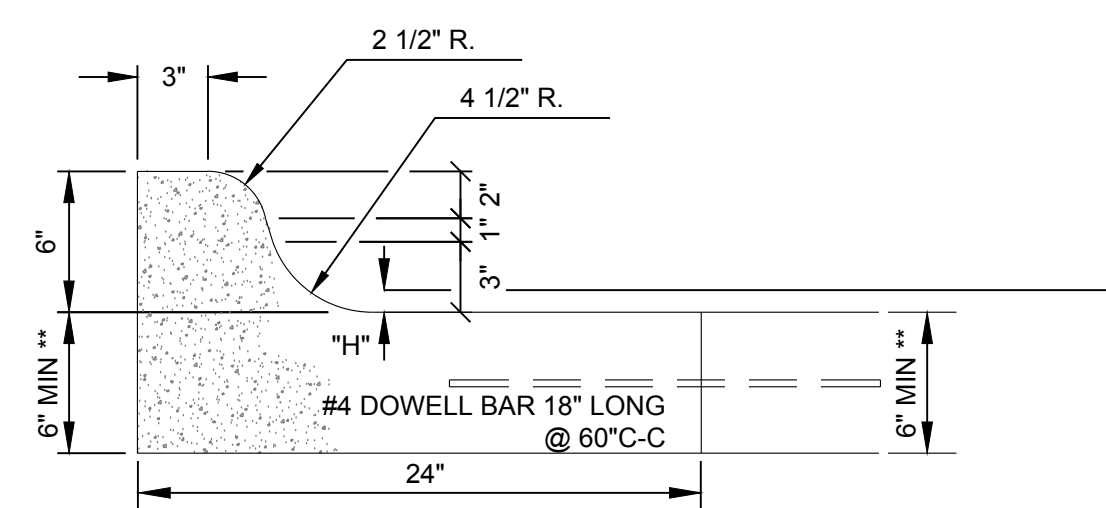
SECTION A-A
NOT TO SCALE

NOTE: CONCRETE VALLEY GUTTER SHALL HAVE JOINTS EVERY 3'.

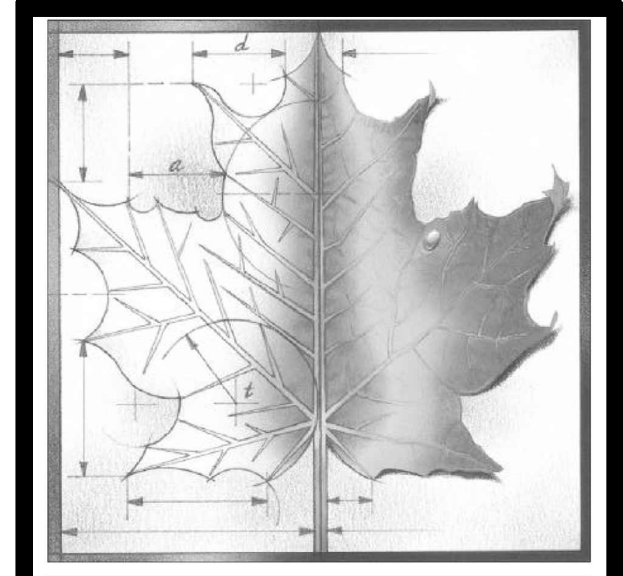


VALLEY GUTTER DETAIL
NOT TO SCALE

**TOE OF GUTTER SHALL MATCH THICKNESS OF EXISTING OR PROPOSED PAVEMENT



TYPE 1 - 6" BARRIER CURB
NOT TO SCALE

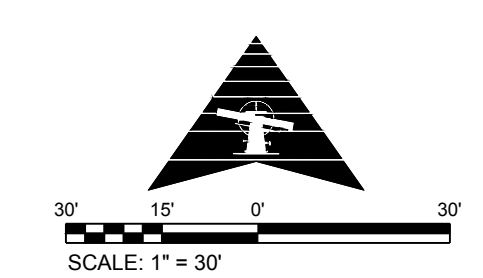


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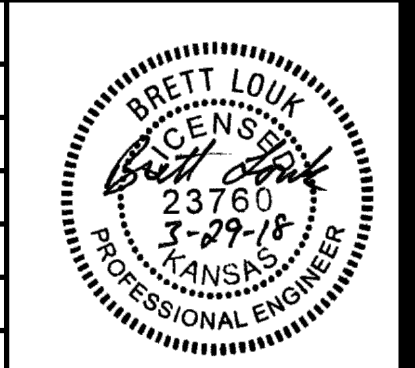
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REV	DESCRIPTION	DATE



Project Number: **16036**
 Date: **3/29/2018**

Project Name:
USD 320 BUS FACILITY & HIGH SCHOOL PARKING IMPROVEMENTS

Project Address:
WAMEGO, KS

Sheet Title:
BUS FACILITY GRADING PLAN

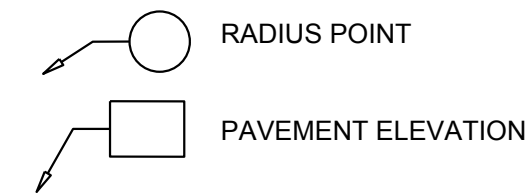
Sheet:
C4

Of:

COORDINATES				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1000	322556.43	1786860.85	1096.67	EOP**
1001	322556.93	1786876.71	1096.66	EOP*
1002	322572.60	1786876.24	1097.01	EOP*
1003	322572.75	1786883.00	1097.02	EOP*
1004	322557.15	1786883.60	1096.67	EOP*
1005	322552.96	1786883.76	1096.57	EOP*
1006	322553.25	1786892.15	1096.56	EOP*
1007	322567.05	1786891.64	1096.85	EOP*
1008	322573.13	1786891.27	1097.01	EOP*
1009	322573.99	1786924.61	1097.01	EOP*
1010	322568.21	1786924.92	1096.93	EOP*
1011	322570.10	1786990.08	1096.97	EOP*
1012	322551.08	1786990.91	1096.55	EOP*
1013	322552.04	1787022.38	1096.47	EOP*
1014	322535.87	1786991.34	1096.32	EOP*
1015	322536.77	1787022.79	1096.24	EOP*
1016	322451.67	1787025.05	1093.08	EOP*
1017	322426.82	1787030.48	1092.62	EOP**
1018	322427.69	1786890.15	1099.61	EOP**
1019	322479.62	1786890.47	1092.15	EOP**
1020	322536.84	1786861.42	1095.64	EOP**
1021	322456.24	1787182.39	1087.93	EOP
1022	322431.25	1787183.11	1087.49	EOP**
1023	322433.87	1787273.53	1082.78	EOP
1024	322396.95	1787314.57	1079.85	EOP*
1025	322528.83	1787300.79	1081.30	EOP*
1026	322484.04	1787267.23	1083.91	EOP
1027	322478.53	1787231.50	1085.60	EOP
1028	322488.31	1787207.64	1086.83	EOP
1029	322494.43	1787204.30	1087.14	EOP
1030	322523.25	1787193.98	1089.03	BOC
1031	322824.56	1787164.21	1086.00	BOC
1032	322821.27	1787042.21	1091.41	EOP
1033	322722.12	1787044.86	1092.13	EOP
1034	322703.13	1787045.36	1092.27	EOP
1035	322553.83	1787049.34	1093.36	EOS
1036	322553.76	1787046.61	1093.40	EOS*
1037	322552.67	1787027.56	1096.28	EOS*
1038	322552.53	1787022.37	1096.48	EOS*
1039	322547.99	1787022.49	1096.41	EOS
1040	322548.14	1787027.80	1096.31	EOS*
1041	322549.88	1787046.91	1093.41	EOS*
1042	322549.94	1787049.45	1093.40	EOS
1043	322545.42	1787049.57	1093.52	EOP
1044	322544.89	1787029.57	1094.72	EOP
1045	322454.92	1787031.97	1092.98	EOP
1046	322458.92	1787182.31	1087.98	EOP
1047	322512.79	1787135.86	1090.61	EOP*
1048	322523.13	1787135.81	1090.67	EOP*
1049	322523.11	1787115.33	1091.46	EOP*
1050	322512.77	1787115.37	1091.31	EOP*
1051	322721.03	1787004.02	1096.22	EOP
1052	322702.04	1787004.53	1096.35	EOP
1053	322701.69	1786991.39	1096.97	EOP
1054	322686.33	1786976.83	1097.08	EOP
1055	322683.79	1786881.57	1097.55	EOP
1056	322701.79	1786881.09	1097.91	EOP
1057	322761.63	1786990.93	1098.13	EOP
1058	322761.95	1787002.93	1097.69	EOP
1059	322824.42	1787160.22	1085.50	EOC
1060	322824.51	1787163.72	1085.50	EOC
1061	322829.42	1787160.08	1085.40	EOC
1062	322829.52	1787164.08	1085.40	EOC
1063	322839.86	1787161.81	1085.07	FL
1064	322878.71	1787152.82	1084.08	FL
1065	322881.78	1787151.41	1084.00	FL
1066	322426.85	1787024.90	1092.80	EOP**
1067	322451.57	1786890.30	1090.08	EOP**
1068	322468.93	1786890.40	1091.59	EOP**
1069	322487.30	1787277.99	1083.38	EVG
1070	322488.76	1787280.83	1083.38	EVG
1071	322432.58	1787284.85	1082.18	EVG
1072	322431.61	1787286.00	1082.18	EVG
1073	322625.45	1787119.09	1090.21	EOP
1074	322625.47	1787120.09	1090.16	EOP
1075	322621.47	1787120.18	1090.22	EOP
1076	322621.45	1787119.18	1090.26	EOP
1077	322468.86	1786900.40	1091.79	TOP
1078	322451.50	1786900.30	1090.81	TOP
1079	322463.60	1786880.37	1090.23	EOP**
1080	322449.28	1786880.28	1089.12	EOP**

LEGEND

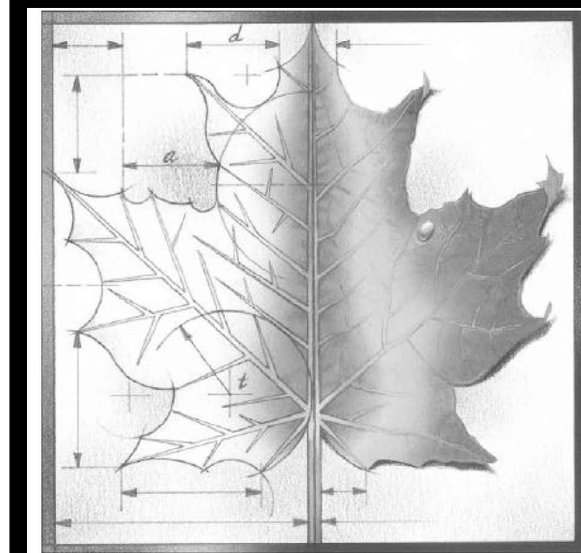
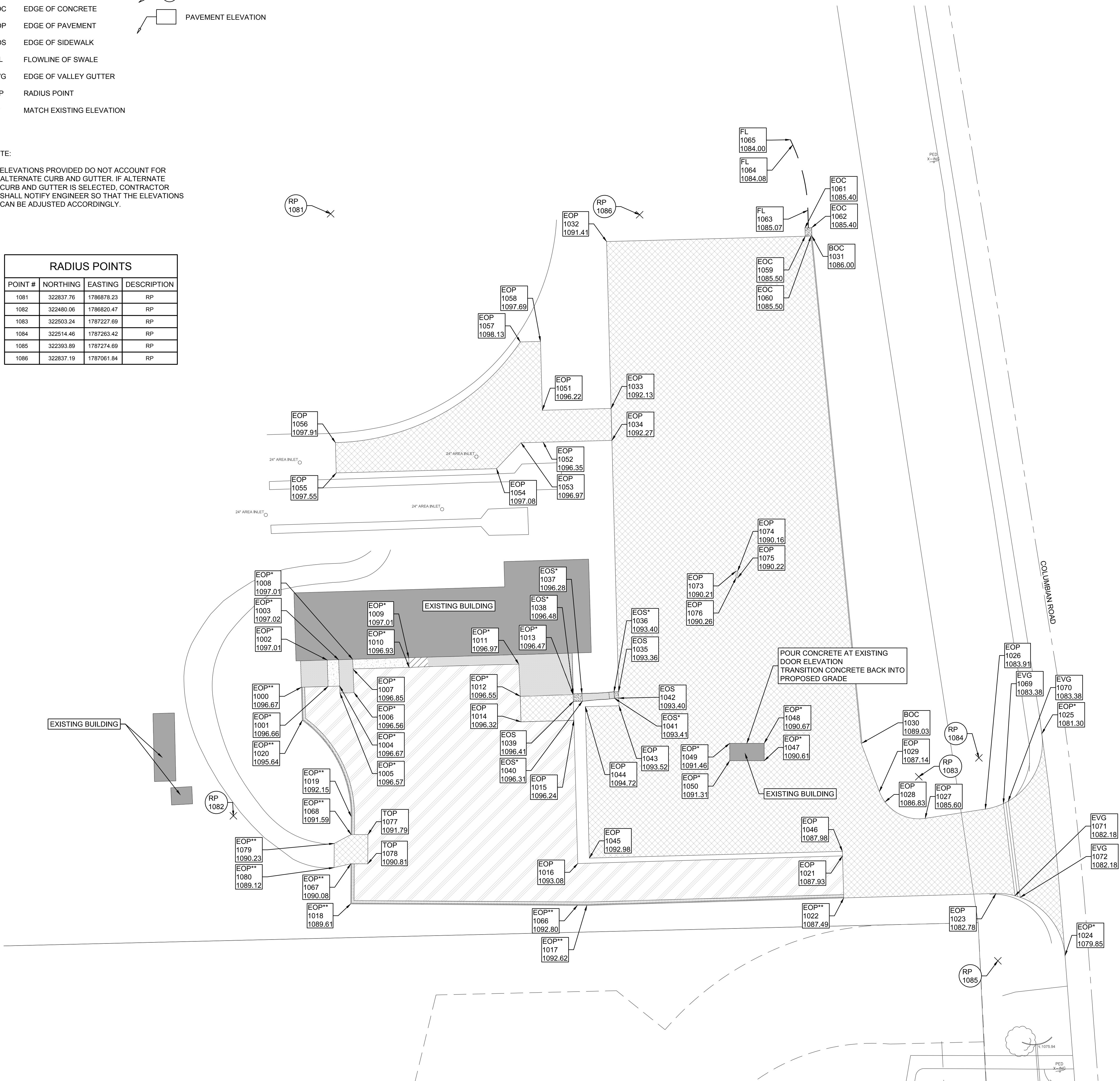
- BOC BACK OF CURB
- EOC EDGE OF CONCRETE
- EOP EDGE OF PAVEMENT
- EOS EDGE OF SIDEWALK
- FL FLOWLINE OF SWALE
- EVG EDGE OF VALLEY GUTTER
- RP RADIUS POINT
- * MATCH EXISTING ELEVATION



NOTE:

** ELEVATIONS PROVIDED DO NOT ACCOUNT FOR ALTERNATE CURB AND GUTTER. IF ALTERNATE CURB AND GUTTER IS SELECTED, CONTRACTOR SHALL NOTIFY ENGINEER SO THAT THE ELEVATIONS CAN BE ADJUSTED ACCORDINGLY.

RADIUS POINTS			
POINT #	NORTHING	EASTING	DESCRIPTION
1081	322837.76	1786878.23	RP
1082	322480.06	1786820.47	RP
1083	322503.24	1787227.69	RP
1084	322514.46	1787263.42	RP
1085	322393.89	1787274.69	RP
1086	322837.19	1787061.84	RP

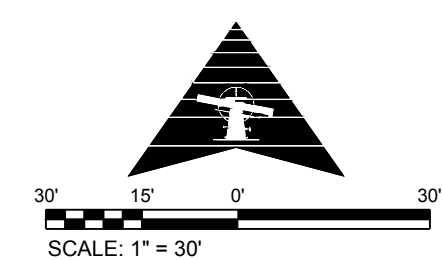


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REV	DESCRIPTION	DATE



Project Number: 16036

Date: 3/29/2018

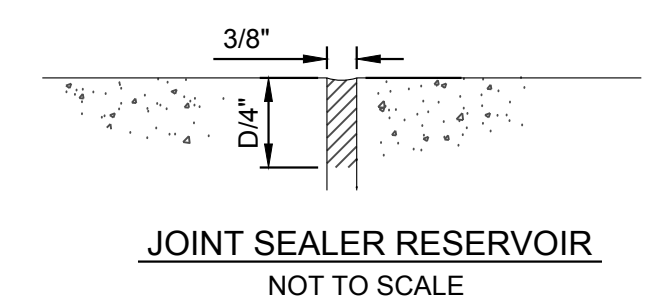
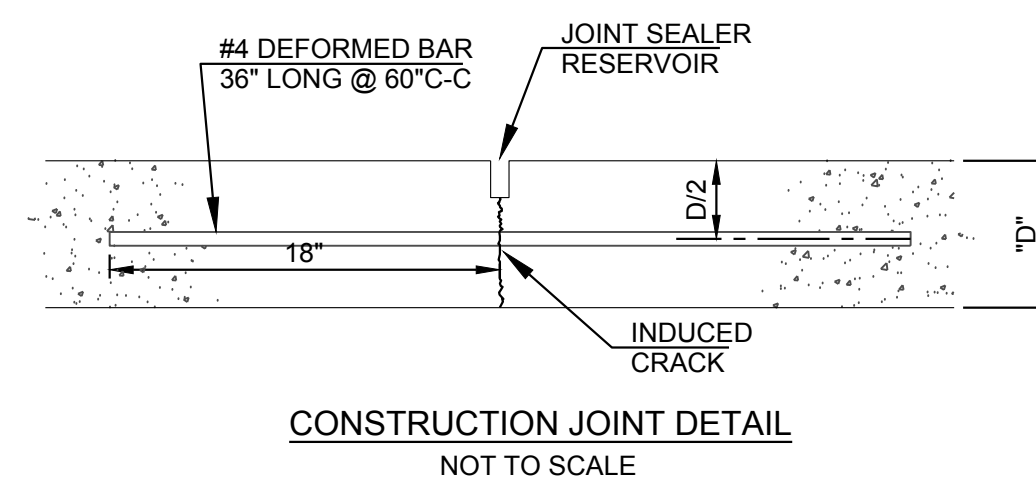
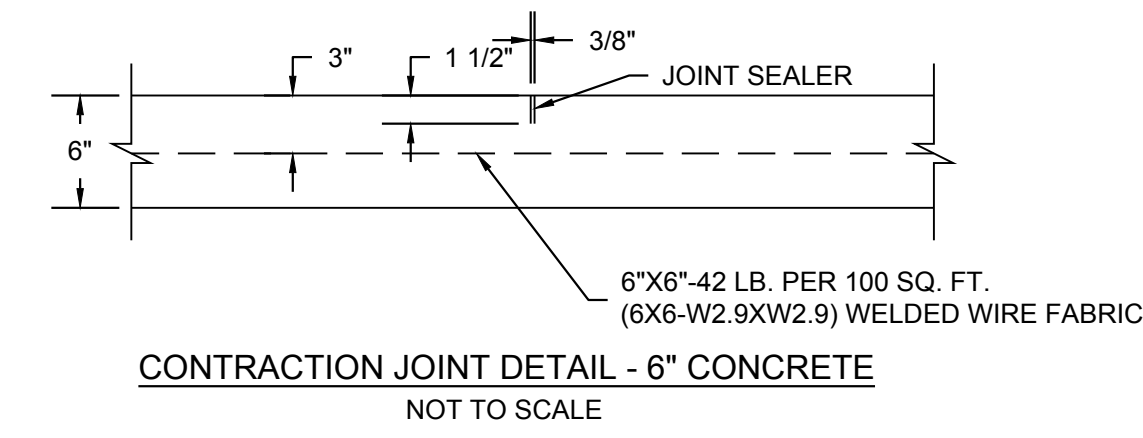
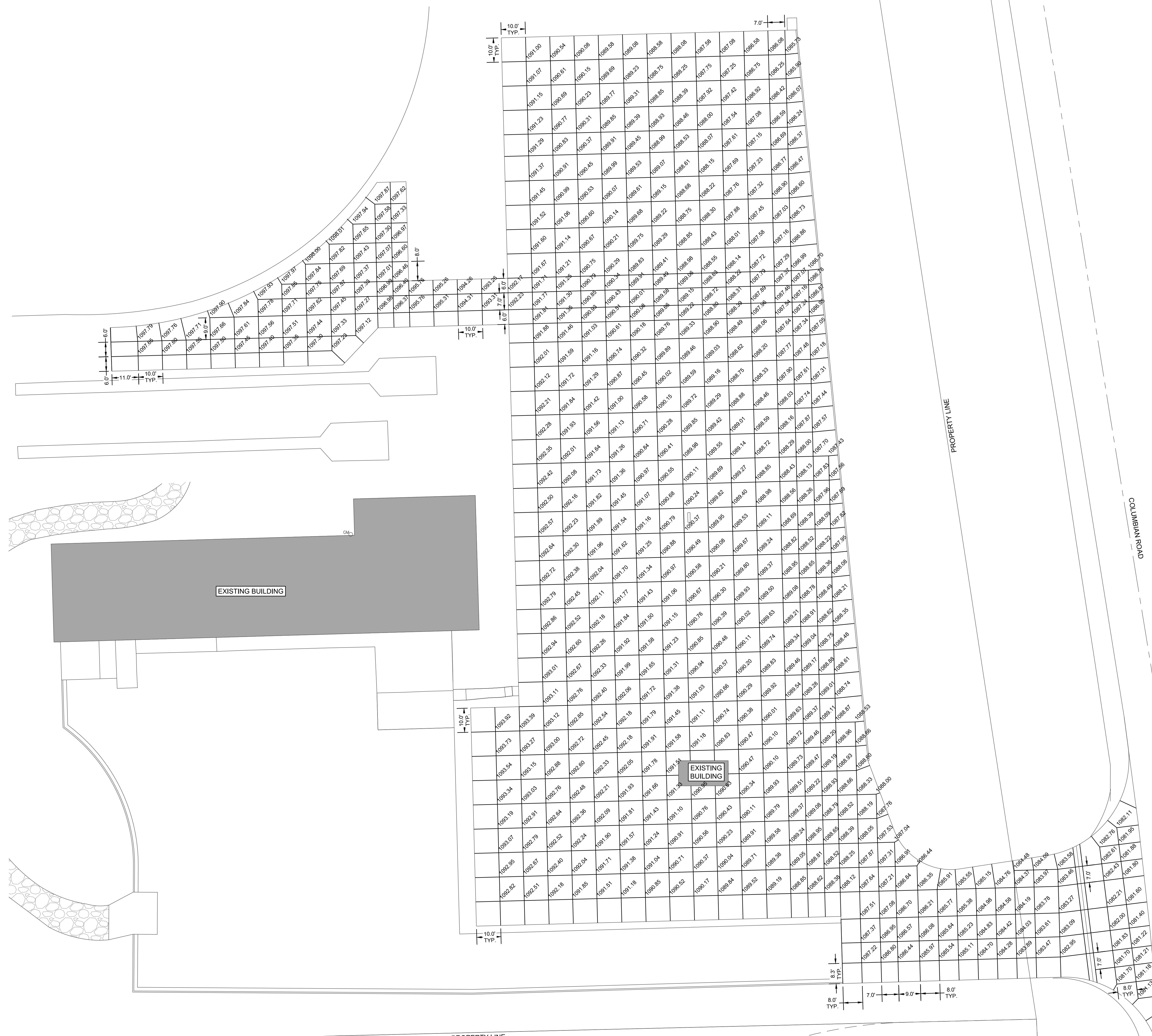
Project Name:
USD 320 BUS FACILITY & HIGH SCHOOL PARKING IMPROVEMENTS

Project Address:
WAMEGO, KS

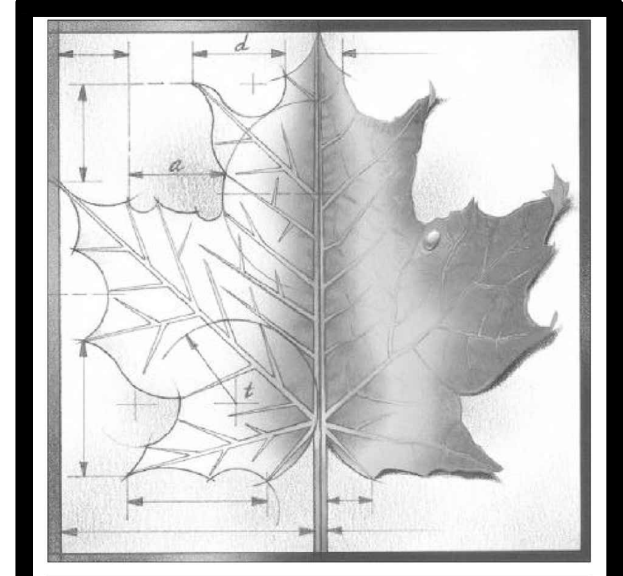
Sheet Title:
BUS FACILITY HORIZONTAL & VERTICAL CONTROL PLAN

Sheet:
C5

Of:



NOTE:
IF ALTERNATE CONCRETE PAVEMENT IS SELECTED, CONTRACTOR SHALL NOTIFY ENGINEER SO THAT ENGINEER MAY PROVIDE A JOINTING PLAN.

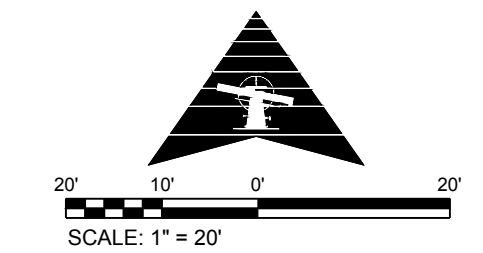


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REV	DESCRIPTION	DATE



Project Number: **16036**
Date: **3/29/2018**

Project Name:
USD 320 BUS FACILITY & HIGH SCHOOL PARKING IMPROVEMENTS

Project Address:
WAMEGO, KS

Sheet Title:
BUS FACILITY JOINT PLAN

Sheet:
C6

Of:

LEGEND

- - - 5' EXISTING CONTOUR
- - - 1' EXISTING CONTOUR
- 5' PROPOSED CONTOUR
- 1' PROPOSED CONTOUR
- SF — SF SILT FENCE
- GENERAL DIRECTION OF FLOW, RUNOFF

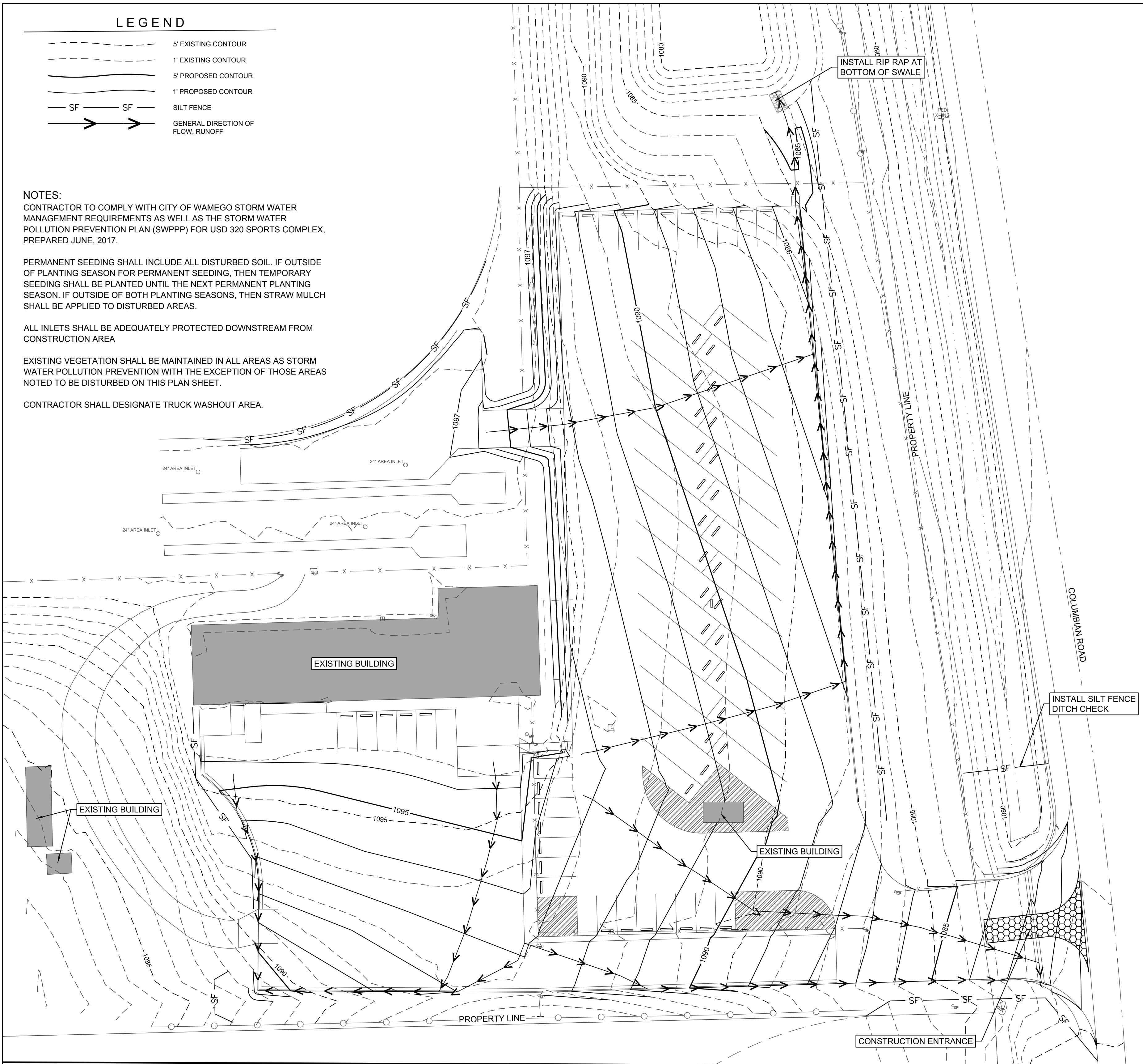
NOTES:
 CONTRACTOR TO COMPLY WITH CITY OF WAMEGO STORM WATER MANAGEMENT REQUIREMENTS AS WELL AS THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR USD 320 SPORTS COMPLEX, PREPARED JUNE, 2017.

PERMANENT SEEDING SHALL INCLUDE ALL DISTURBED SOIL. IF OUTSIDE OF PLANTING SEASON FOR PERMANENT SEEDING, THEN TEMPORARY SEEDING SHALL BE PLANTED UNTIL THE NEXT PERMANENT PLANTING SEASON. IF OUTSIDE OF BOTH PLANTING SEASONS, THEN STRAW MULCH SHALL BE APPLIED TO DISTURBED AREAS.

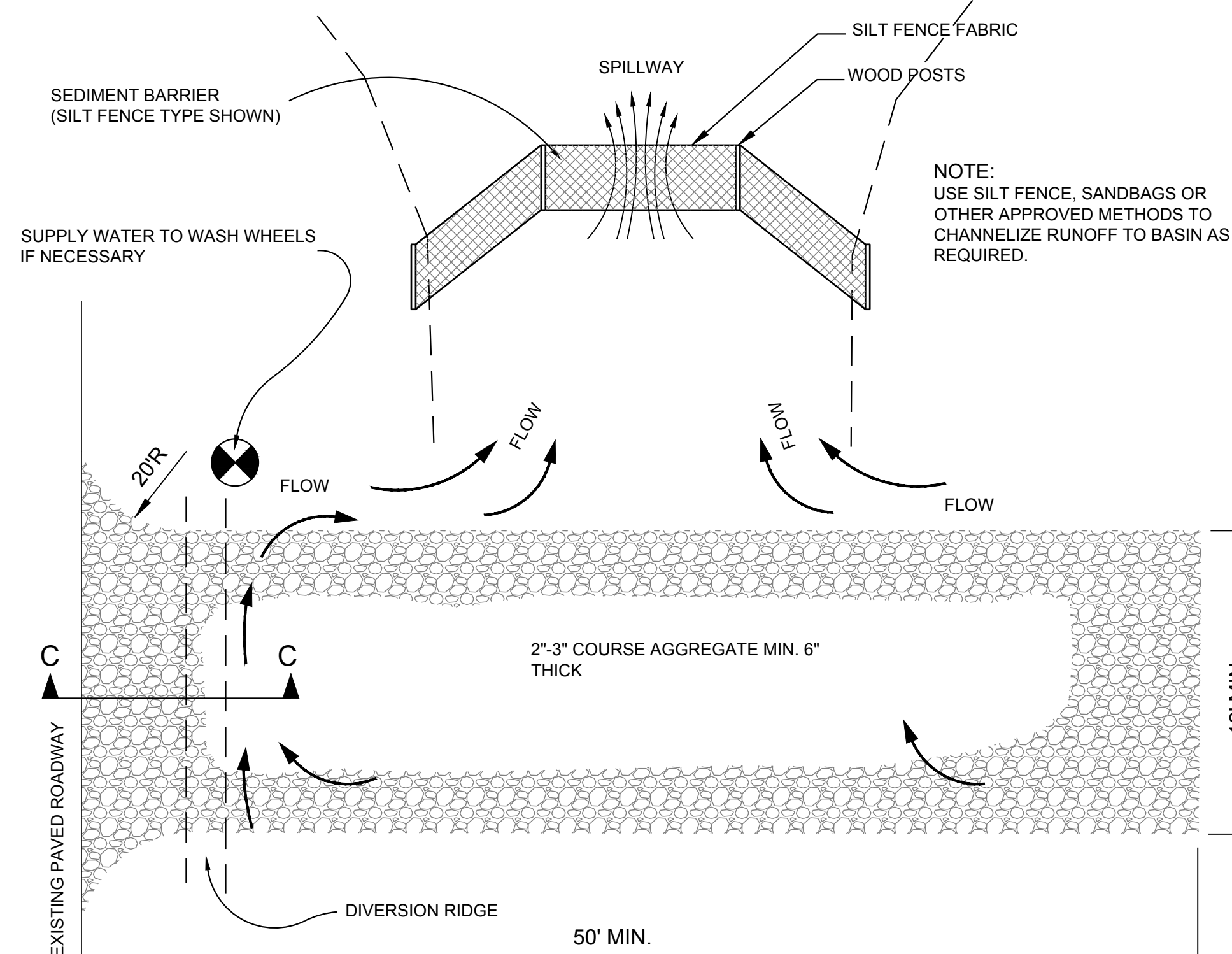
ALL INLETS SHALL BE ADEQUATELY PROTECTED DOWNSTREAM FROM CONSTRUCTION AREA

EXISTING VEGETATION SHALL BE MAINTAINED IN ALL AREAS AS STORM WATER POLLUTION PREVENTION WITH THE EXCEPTION OF THOSE AREAS NOTED TO BE DISTURBED ON THIS PLAN SHEET.

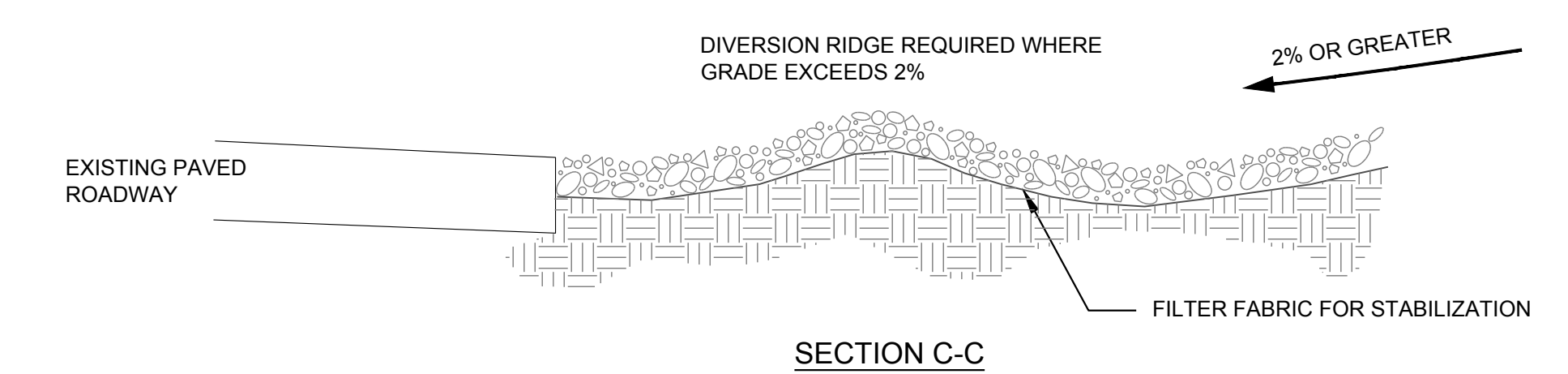
CONTRACTOR SHALL DESIGNATE TRUCK WASHOUT AREA.



STABILIZED CONSTRUCTION ENTRANCE



NOTE:
 USE SILT FENCE, SANDBAGS OR OTHER APPROVED METHODS TO CHANNELIZE RUNOFF TO BASIN AS REQUIRED.



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 MEASURE 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.

SILT FENCE DITCH CHECKS

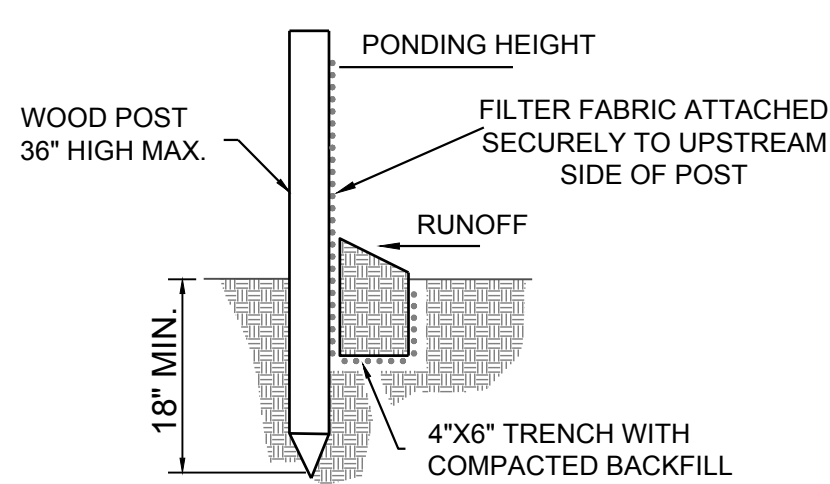
PROPER INSTALLATION METHOD:

- EXCAVATE A TRENCH PERPENDICULAR TO THE DITCH FLOWLINE THAT IS AT LEAST 12" DEEP BY 8" WIDE. EXTEND THE TRENCH IN A STRAIGHT LINE ALONG THE ENTIRE LENGTH OF THE PROPOSED DITCH CHECK. PLACE THE SOIL ON THE UPSTREAM SIDE OF THE TRENCH FOR LATER USE.
- ROLL OUT A CONTINUOUS LENGTH OF SILT FENCE FABRIC ON THE DOWNSTREAM SIDE OF THE TRENCH.
- PLACE THE EDGE OF THE FABRIC IN THE TRENCH STARTING AT THE TOP UPSTREAM EDGE OF THE TRENCH.
- LINE THE TWO SIDES OF THE TRENCH WITH THE FABRIC.
- BACKFILL OVER THE FABRIC IN THE TRENCH WITH THE EXCAVATED SOIL AND COMPACT. AFTER FILLING THE TRENCH, APPROXIMATELY 24" TO 36" OF SILT FENCE FABRIC SHALL REMAIN EXPOSED.
- LAY THE EXPOSED SILT FENCE ON THE UPSTREAM SIDE OF THE TRENCH TO CLEAR AN AREA FOR DRIVING IN THE POSTS.
- JUST DOWNSTREAM OF THE TRENCH DRIVE POSTS INTO THE GROUND TO A DEPTH OF AT LEAST 24".
- PLACE POSTS NO MORE THAN 4' APART. THE DISTANCE BETWEEN POSTS SHOULD BE 4' OR LESS. IF THE DISTANCE BETWEEN TWO ADJACENT POSTS IS MORE THAN 4' ADD ANOTHER POST(S) BETWEEN THEM.
- ATTACH THE SILT FENCE TO THE ANCHORED POST WITH STAPLE, WIRE, ZIP TIES, OR NAILS.

LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

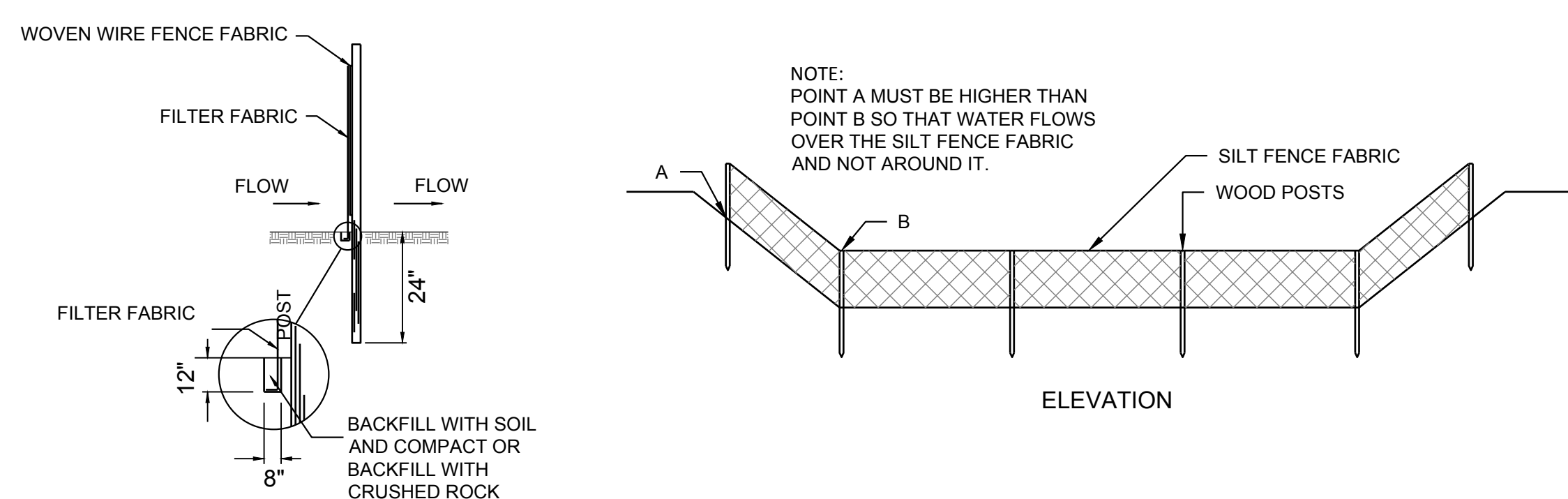
- WATER SHOULD FLOW THROUGH A SILT FENCE BARRIER FOR AREA INLET - NOT OVER IT. PLACE A SILT FENCE BARRIER FOR AREA INLET IN A LOCATION WHERE IT IS UNLIKELY TO BE OVERTOPPED. SILT FENCE BARRIER FOR AREA INLETS OFTEN FAIL WHEN REPEATEDLY OVERTOPPED.
- DO NOT PLACE SILT FENCE POSTS ON THE UPSLOPE SIDE OF THE SILT FENCE FABRIC. IN THIS CONFIGURATION, THE FORCE OF THE WATER IS NOT RESTRICTED BY THE POSTS, BUT ONLY BY THE STAPLES (WIRE, ZIP TIES, NAILS, ETC.).
- DO NOT PLACE SILT FENCE DITCH CHECK DIRECTLY IN FRONT OF A CULVERT OUTLET. IT WILL NOT STAND UP TO THE CONCENTRATED FLOW.
- DO NOT PLACE SILT FENCE DITCH CHECK IN DITCHES THAT WILL LIKELY EXPERIENCE HIGH FLOWS. IT WILL NOT STAND UP TO THE CONCENTRATED FLOW.
- FOLLOW PRESCRIBED DITCH CHECK SPACING GUIDELINES. IF SPACING GUIDELINES ARE EXCEEDED, EROSION WILL OCCUR BETWEEN THE DITCH CHECKS.
- DO NOT ALLOW WATER TO FLOW AROUND THE DITCH CHECK. MAKE SURE THAT THE DITCH CHECK IS LONG ENOUGH SO THAT THE GROUND LEVEL AT THE ENDS OF THE FENCE IS HIGHER THAN THE LOW POINT ON THE TOP OF THE FENCE.
- DO NOT PLACE SILT FENCE DITCH CHECKS IN CHANNELS WITH SHALLOW SOILS UNDERLAIN BY ROCK. IF THE CHECK IS NOT ANCHORED SUFFICIENTLY IT WILL WASH OUT.

SILT FENCE BARRIER

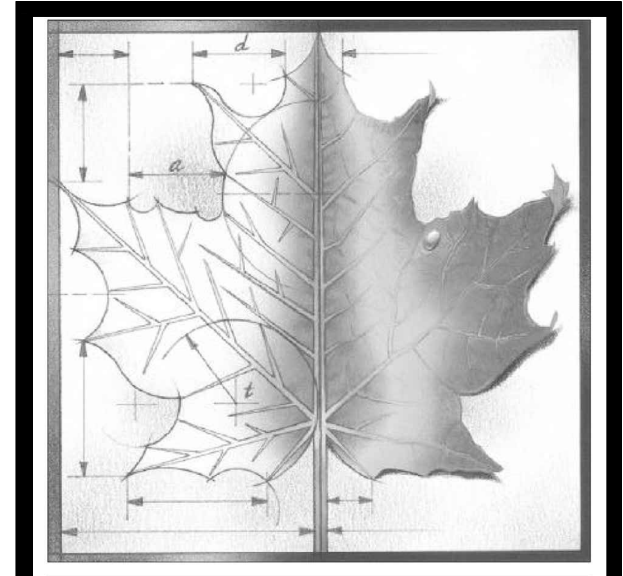


NOTES:

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- 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.



NOTE:
 POINT A MUST BE HIGHER THAN POINT B SO THAT WATER FLOWS OVER THE SILT FENCE FABRIC AND NOT AROUND IT.

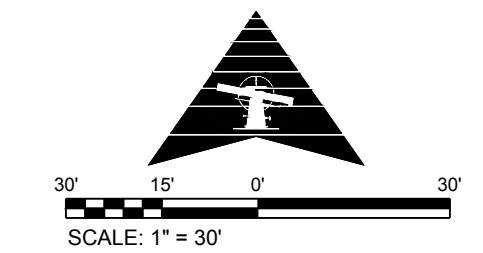


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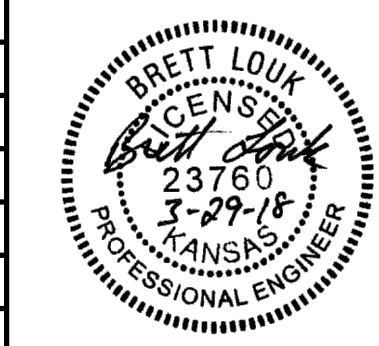
BBN ARCHITECTS INC
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REV	DESCRIPTION	DATE



Project Number: **16036**
 Date: **3/29/2018**

Project Name:
USD 320 BUS FACILITY & HIGH SCHOOL PARKING IMPROVEMENTS

Project Address:
WAMEGO, KS

Sheet Title:
BUS FACILITY SESC PLAN

Sheet:
C7

LEGEND

	EXISTING BUILDING		SIGN
	PAVEMENT REMOVAL & REPLACEMENT		WATER METER
	MILL & OVERLAY EXISTING ASPHALT		WATER VALVE
	EXISTING GRAVEL TO BE REMOVED, SEE NOTES		FIRE HYDRANT
	PROPOSED CONCRETE SIDEWALK		GAS METER
	PAVEMENT REMOVAL LIMITS		LIGHT POLE
	EXISTING SANITARY SEWER		POWER POLE
	EXISTING SANITARY SERVICE		DEADMAN ANCHOR
	EXISTING WATER LINE		ROOF DRAIN
	EXISTING WATER SERVICE		STORM JUNCTION
	EXISTING ELECTRIC LINE		SANITARY SEWER MANHOLE
	EXISTING TELEPHONE		TREE
	EXISTING GAS LINE		
	CHAIN LINK FENCE		

NOTES:

ALL EXISTING GRAVEL THAT IS TO BE REMOVED FROM THE SITE SHALL BE STOCKPILED AND SAVED FOR USE BY USD 320. CONTRACTOR TO COORDINATE LOCATION OF STOCKPILE WITH USD 320.

1-1/2" TO 3" ROUNDED ROCK MULCH IS TO BE SPREAD FOUR (4) INCHES DEEP FOR ALL GRAVEL AREAS.

PLACE WEED BARRIER FABRIC OVER THE SOIL IN ALL GRAVEL AREAS.

COORDINATES

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1056	322876.13	1792026.65	1039.84	EOP*
1057	322861.40	1792027.22	1040.43	EOP*
1058	322863.46	1792136.51	1039.95	EOP*
1059	322883.40	1792136.13	1039.63	EOP*
1060	322875.57	1792136.28	1039.04	FL*
1061	322883.08	1792116.16	1040.19	EOP*
1062	322882.77	1792099.48	1040.46	EOP*
1063	322877.82	1792099.57	1040.39	TOP
1064	322877.69	1792095.54	1040.39	TOP
1065	322882.69	1792095.45	1040.46	EOP*
1066	322881.81	1792048.87	1040.46	EOP*
1067	322876.23	1792048.92	1040.40	EOP
1068	322871.31	1792049.07	1040.36	TOP
1069	322872.93	1792055.28	1040.40	EVG
1070	322869.93	1792055.34	1040.40	EVG
1071	322870.02	1792060.34	1040.38	EVG
1072	322873.02	1792060.28	1040.38	EVG
1073	322870.77	1792099.71	1040.22	EVG
1074	322873.77	1792099.65	1040.22	EVG
1075	322871.08	1792116.39	1039.96	EVG
1076	322874.08	1792116.33	1039.96	EVG
1077	322883.96	1792165.29	1039.30	EOP*
1078	322864.01	1792165.66	1039.66	EOP*

POINT LEGEND

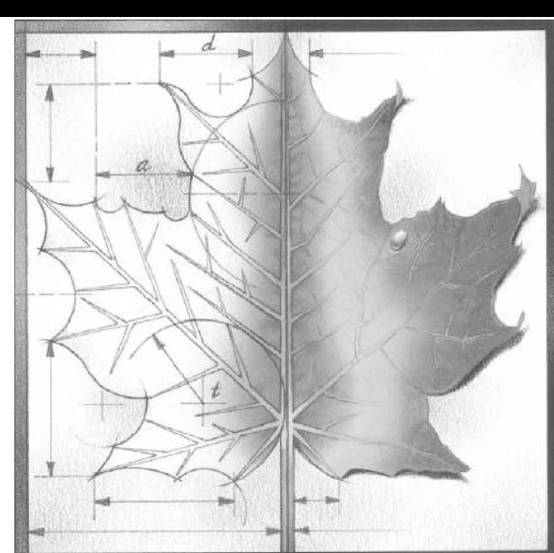
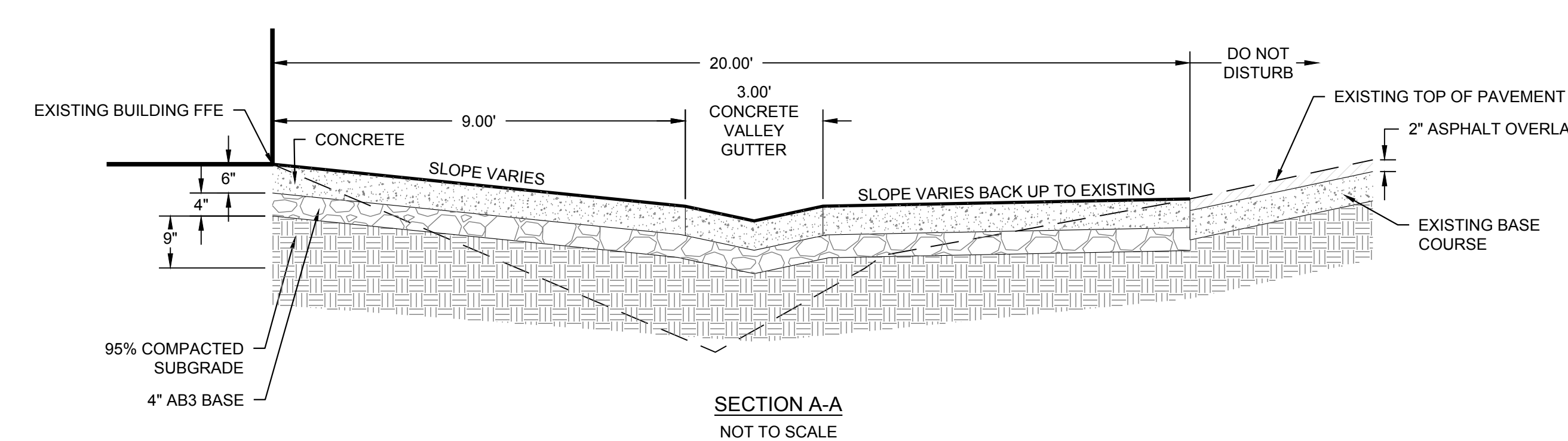
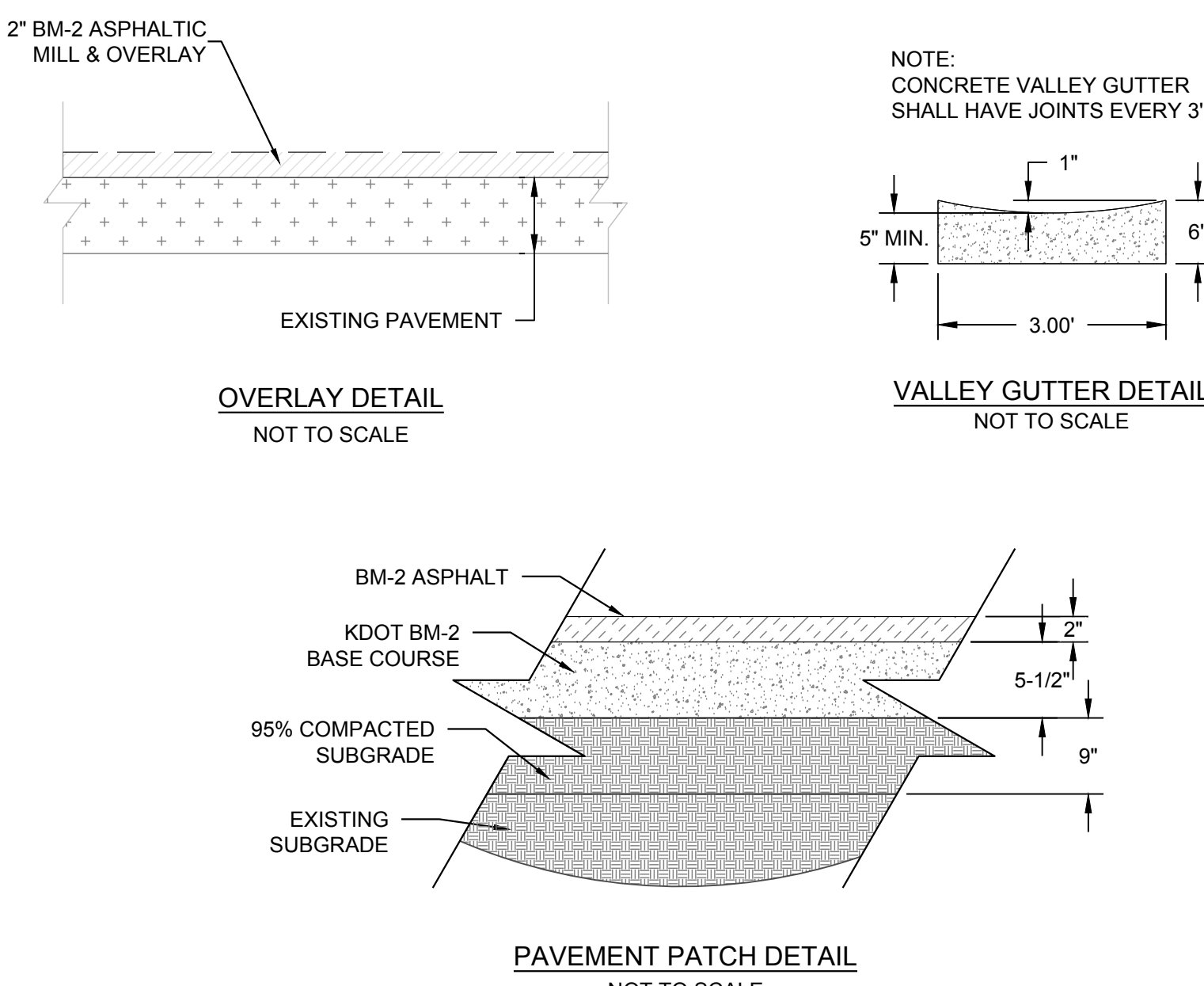
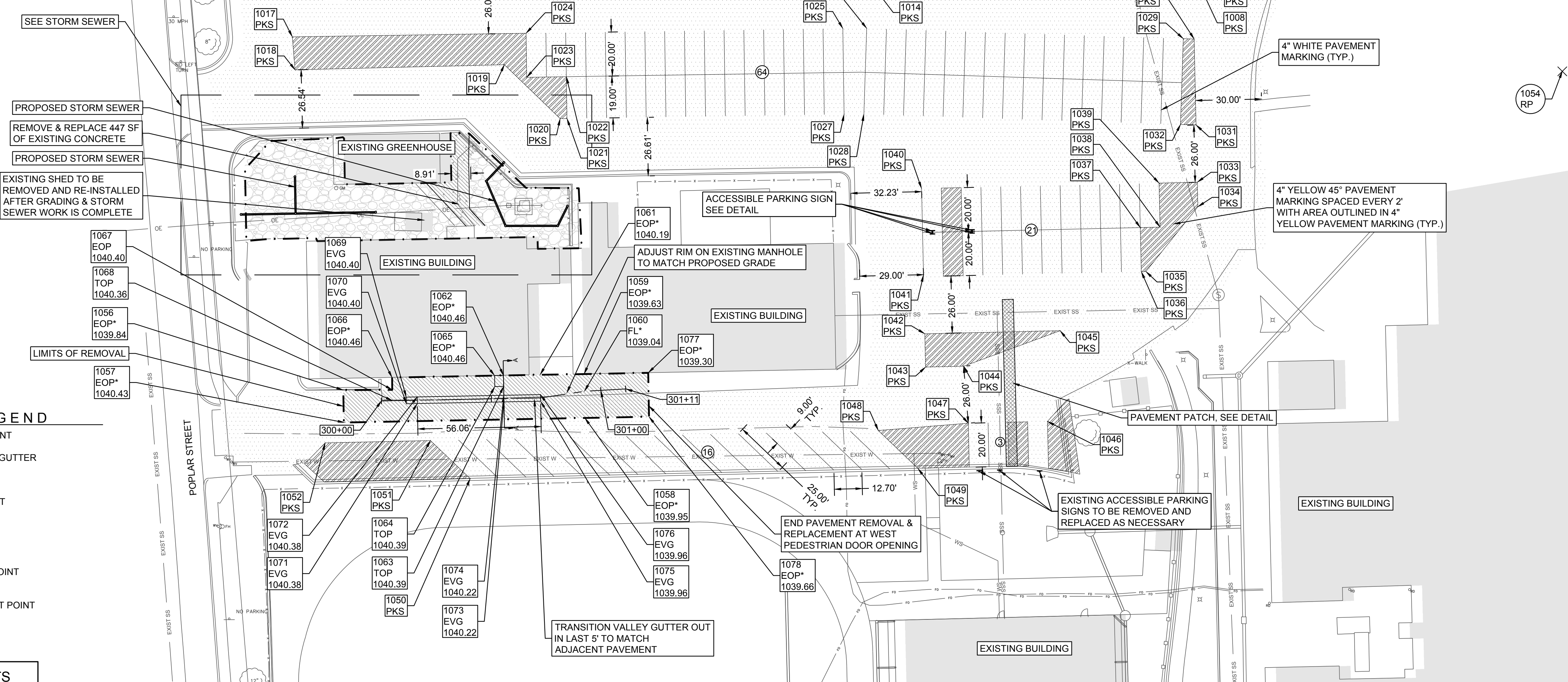
EOP	EDGE OF PAVEMENT
EVG	EDGE OF VALLEY GUTTER
PKS	PARKING STRIPE
TOP	TOP OF PAVEMENT
RP	RADIUS POINT
**	MATCH EXISTING
	RADIUS POINT
	PAVEMENT POINT

PARKING STRIPE POINTS

POINT #	NORTHING	EASTING	DESCRIPTION
1000	323128.37	1791988.84	PKS
1001	323132.49	1792258.81	PKS
1002	323132.41	1792267.81	PKS
1003	323126.84	1792438.72	PKS
1004	323126.66	1792444.47	PKS
1005	323133.83	1792471.95	PKS
1006	323101.23	1792426.35	PKS
1007	323101.55	1792416.57	PKS
1008	323061.57	1792415.27	PKS
1009	323061.46	1792418.82	PKS
1010	323094.05	1792430.68	PKS
1011	323106.54	1792261.74	PKS
1012	323106.23	1792272.65	PKS
1013	323066.25	1792271.35	PKS
1014	323066.54	1792262.35	PKS
1015	323102.55	1792000.77	PKS
1016	323062.55	1792001.38	PKS
1017	323036.58	1792003.52	PKS
1018	323021.61	1792004.75	PKS
1019	323023.94	1792099.90	PKS
1020	322999.44	1792125.26	PKS
1021	322999.49	1792128.36	PKS
1022	323018.48	1792128.07	PKS
1023	323018.21	1792110.07	PKS
1024	323038.21	1792109.77	PKS
1025	323040.41	1792253.75	PKS
1026	323040.46	1792264.61	PKS
1027	323001.41	1792254.34	PKS

PARKING STRIPE POINTS

POINT #	NORTHING	EASTING	DESCRIPTION
1028	323001.48	1792263.34	PKS
1029	323035.78	1792408.53	PKS
1030	323035.62	1792413.49	PKS
1031	322996.57	1792414.34	PKS
1032	322996.80	1792407.27	PKS
1033	322970.53	1792414.91	PKS
1034	322959.39	1792415.16	PKS
1035	322929.99	1792391.53	PKS
1036	322929.95	1792389.43	PKS
1037	322949.94	1792388.97	PKS
1038	322950.15	1792397.97	PKS
1039	322970.14	1792397.52	PKS
1040	322967.69	1792289.55	PKS
1041	322928.42	1792290.44	PKS
1042	322901.71	1792291.04	PKS
1043	322886.59	1792291.38	PKS
1044	322886.96	1792308.70	PKS
1045	322903.10	1792352.55	PKS
1046	322861.88	1792346.79	PKS
1047	322861.07	1792310.80	PKS
1048	322857.77	1792269.87	PKS
1049	322840.49	1792287.94	PKS
1050	322835.92	1792084.35	PKS
1051	322853.20	1792066.28	PKS
1052	322852.12	1792018.43	PKS
1053	323176.63	1792446.10	RP
1054	323020.93	1792580.83	RP
1055	323096.23	1792426.19	RP



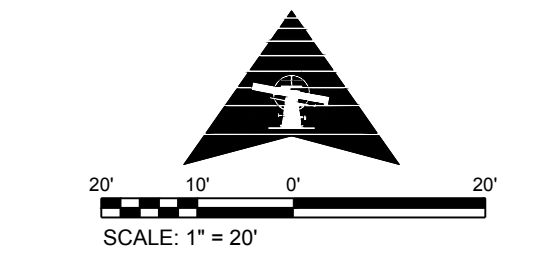
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REV	DESCRIPTION	DATE

Project Number: **16036**

Date: **3/29/2018**

Project Name:
USD 320 BUS FACILITY & HIGH SCHOOL PARKING IMPROVEMENTS

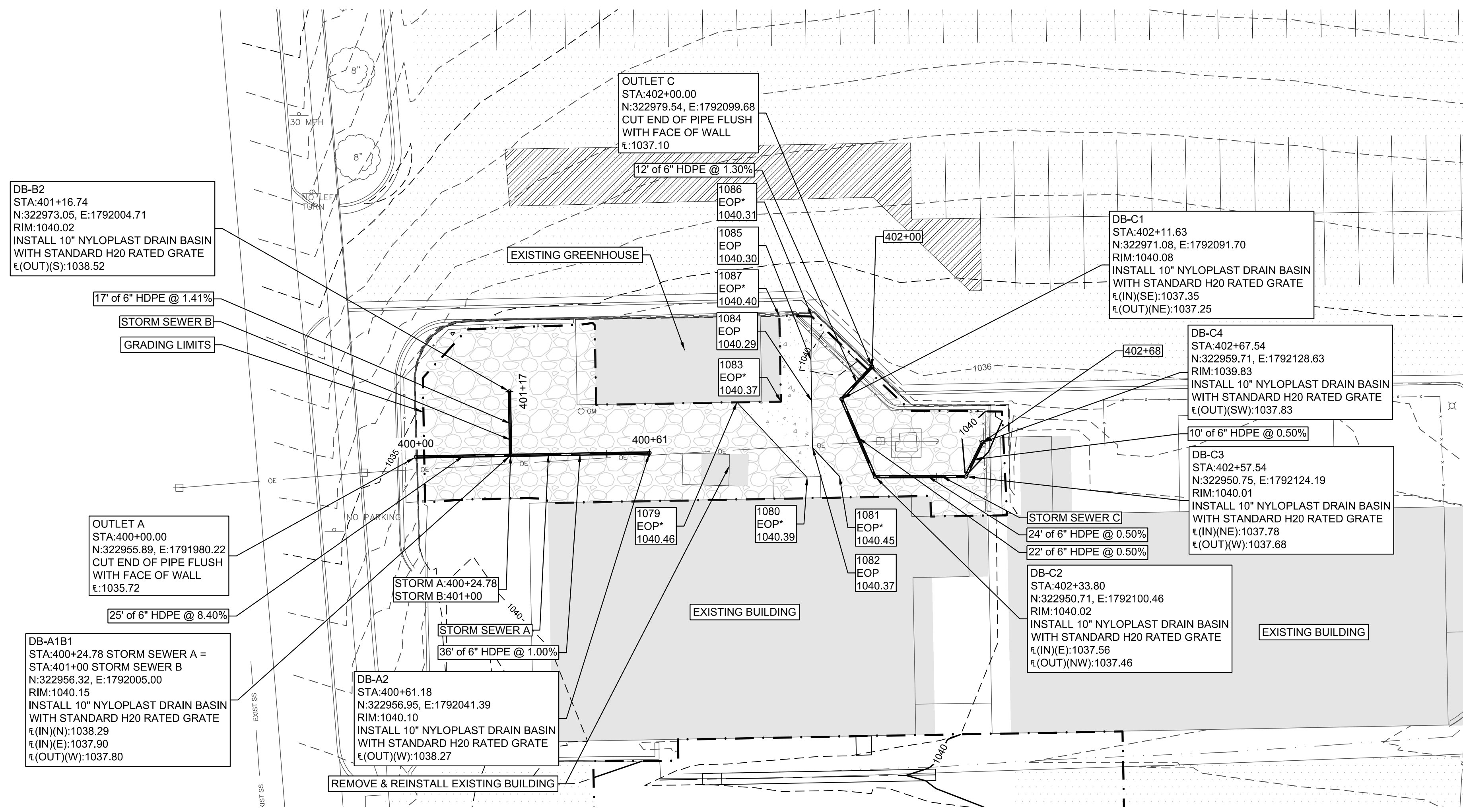
Project Address:
WAMEGO, KS

Sheet Title:
HIGH SCHOOL PARKING SITE PLAN

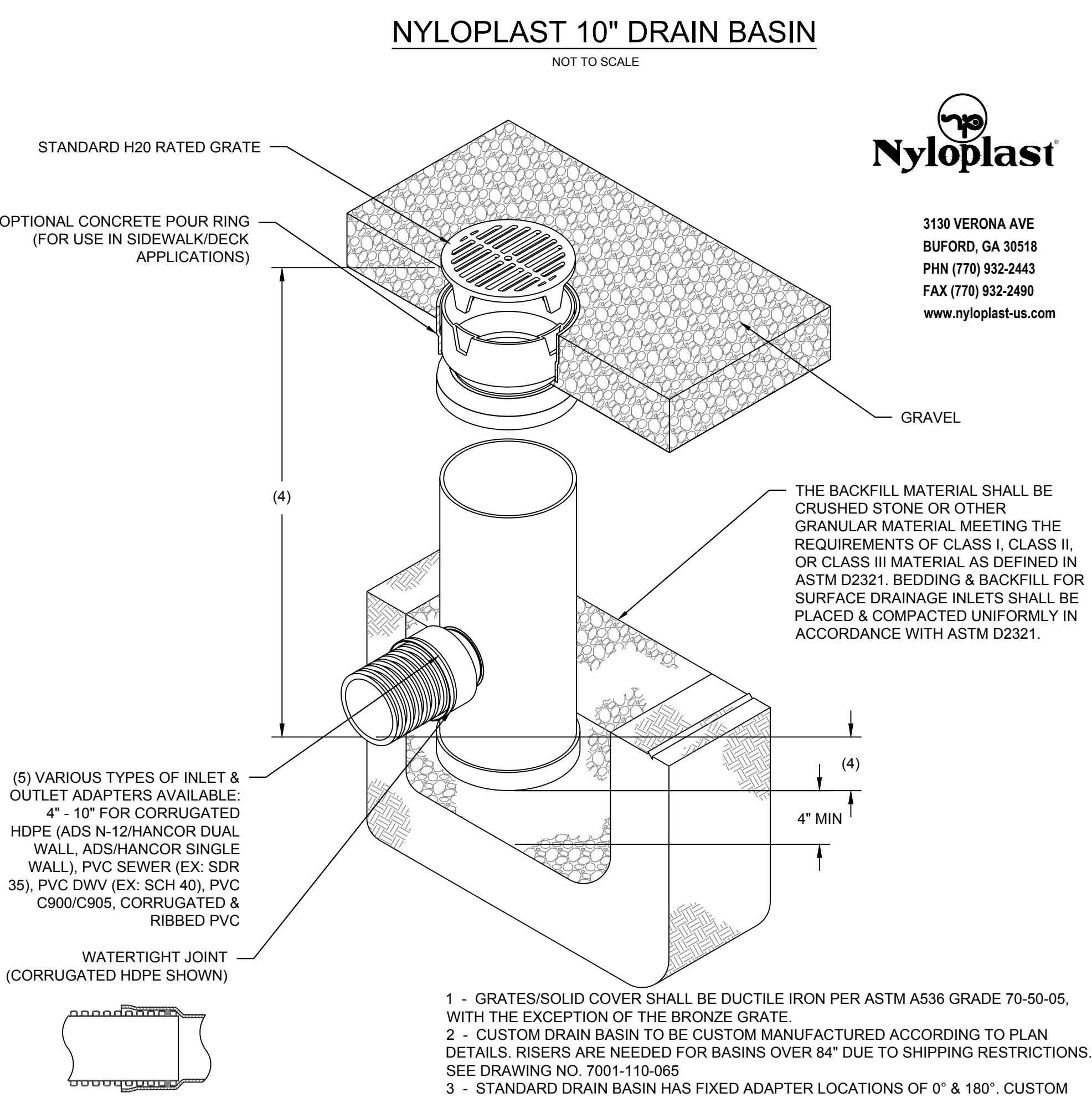
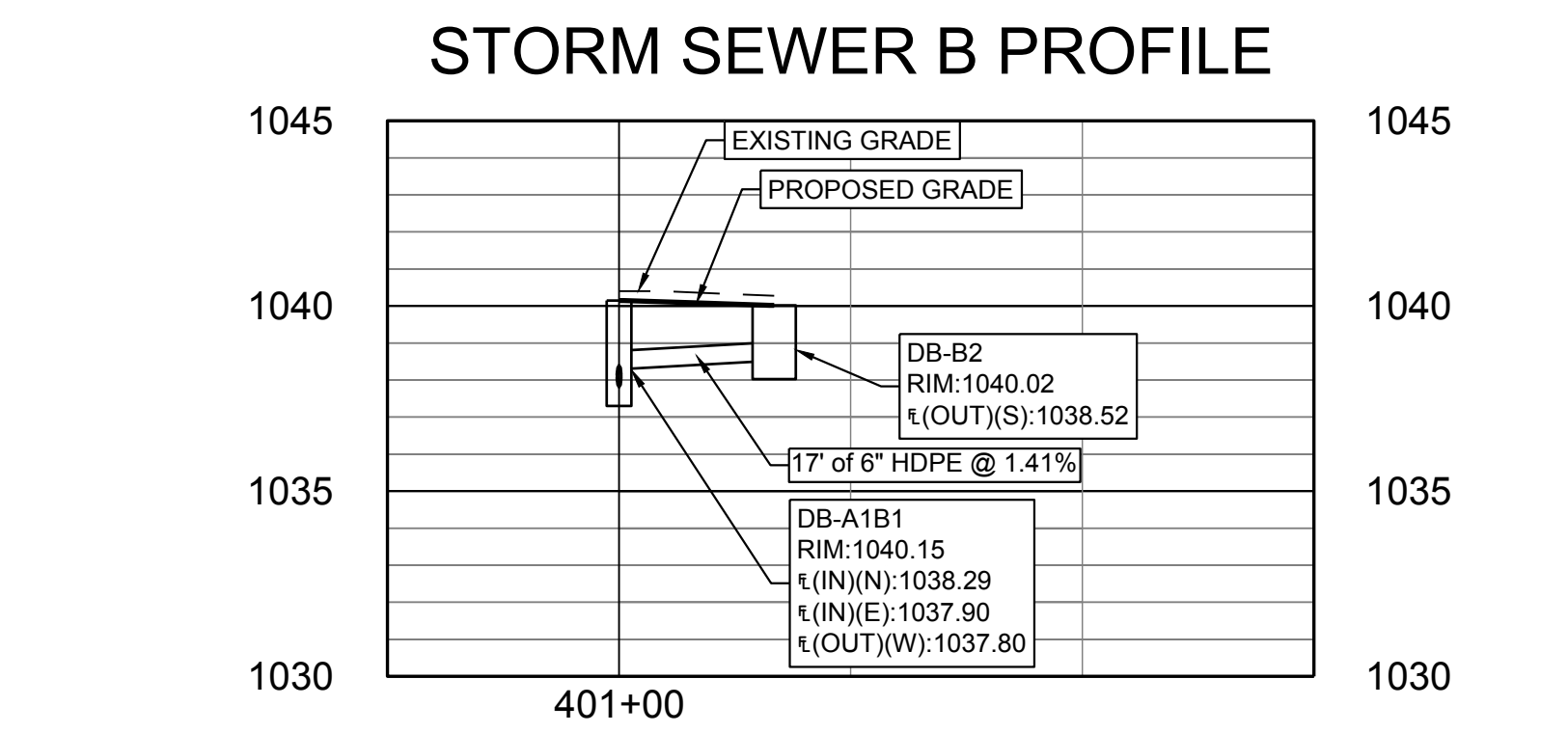
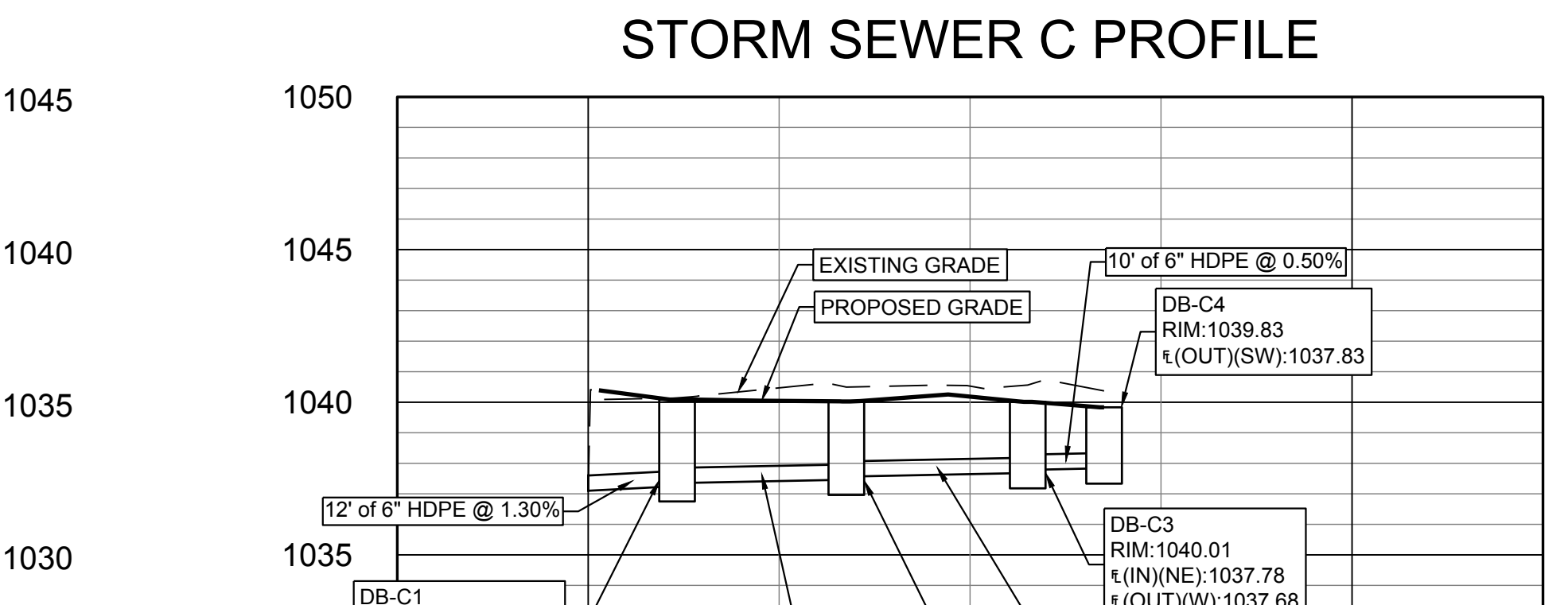
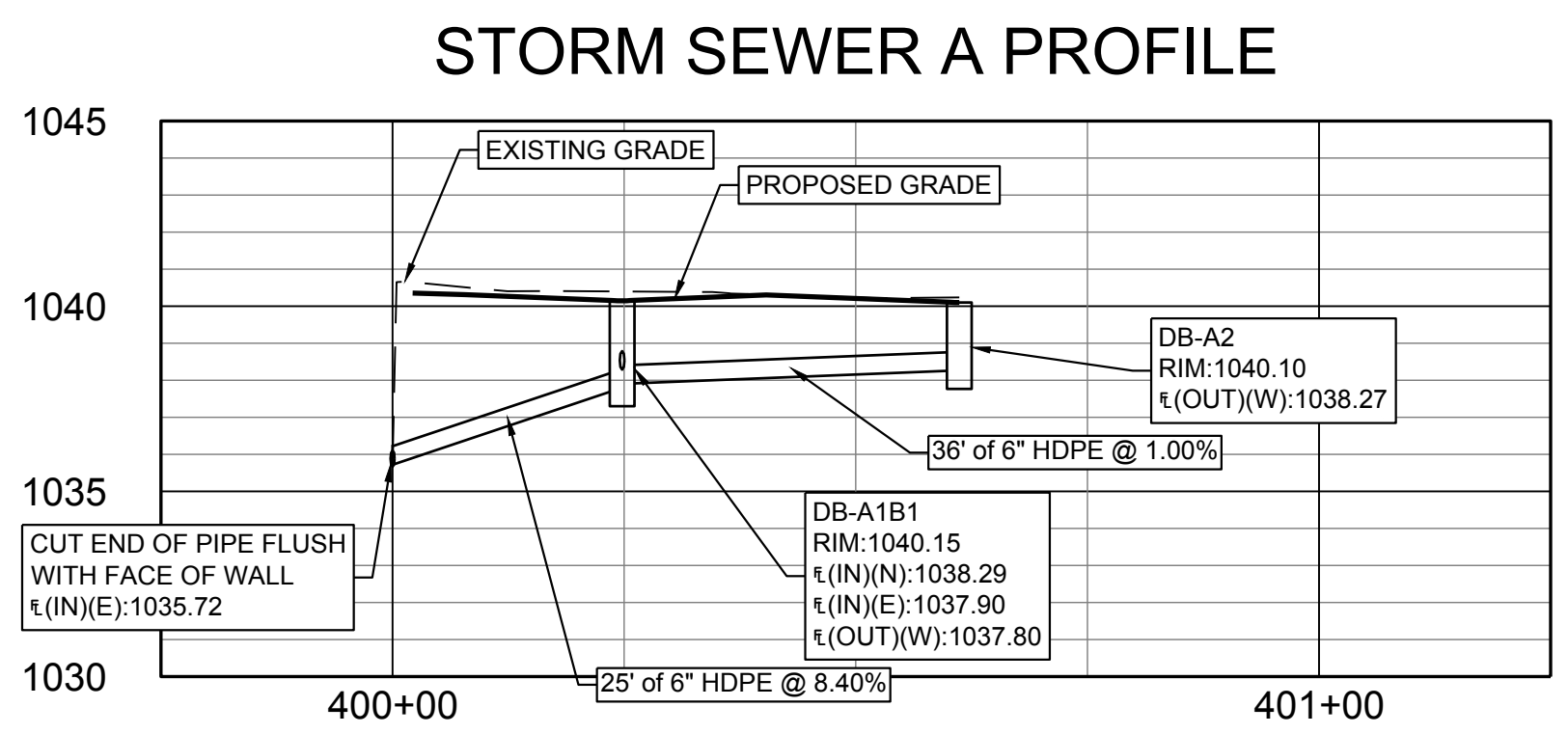
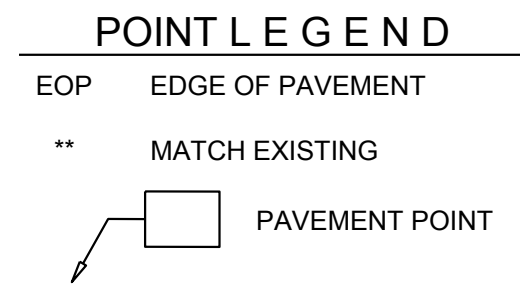
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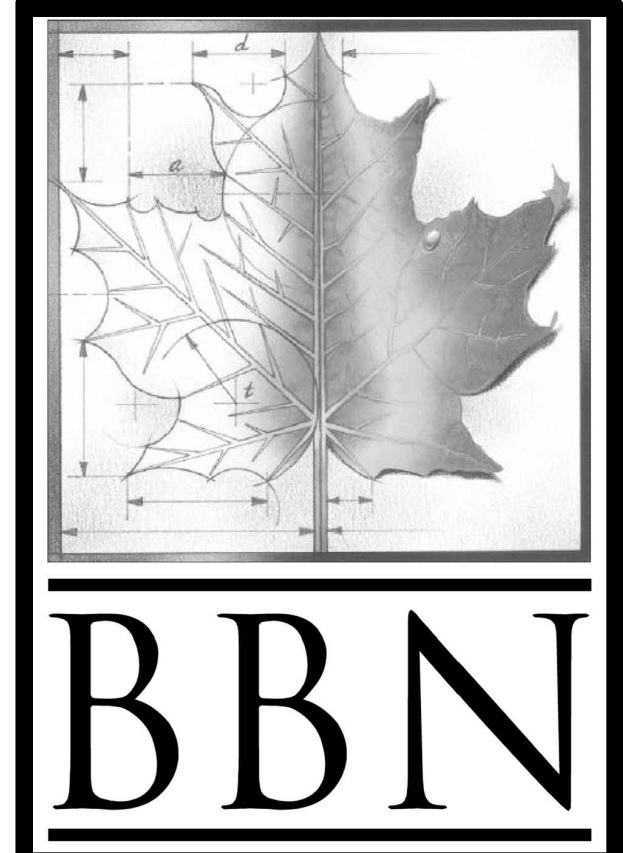
NOTES:
 SET ALL INLETS 6" BELOW EXISTING GRADE. GRADE TO INSURE DRAINAGE TO INLET.



COORDINATES				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1078	322970.20	1792064.30	1040.46	EOP*
1080	322950.49	1792082.66	1040.39	EOP*
1081	322950.76	1792091.16	1040.45	EOP*
1082	322958.36	1792084.09	1040.37	EOP
1083	322970.41	1792075.80	1040.37	EOP*
1084	322970.55	1792083.86	1040.29	EOP
1085	322961.32	1792083.67	1040.30	EOP
1086	322992.71	1792083.90	1040.31	EOP*
1087	322992.85	1792075.38	1040.40	EOP*



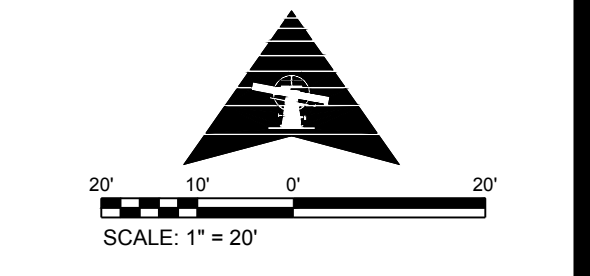
- 1 - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05, WITH THE EXCEPTION OF THE BRONZE GRATE.
- 2 - CUSTOM DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065
- 3 - STANDARD DRAIN BASIN HAS FIXED ADAPTER LOCATIONS OF 0° & 180°. CUSTOM DRAIN BASIN ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012
- 4 - FOR COMPLETE DESIGN DETAILS SEE DRAWING NO. 7001-110-045
- 5 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL) & PVC SEWER (4" - 24").



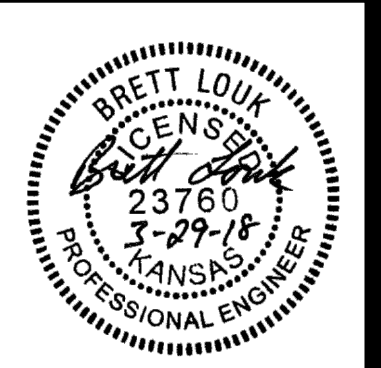
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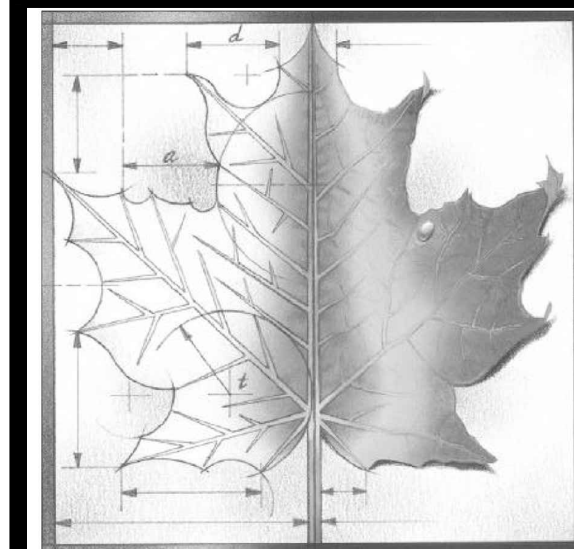
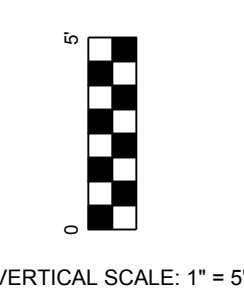
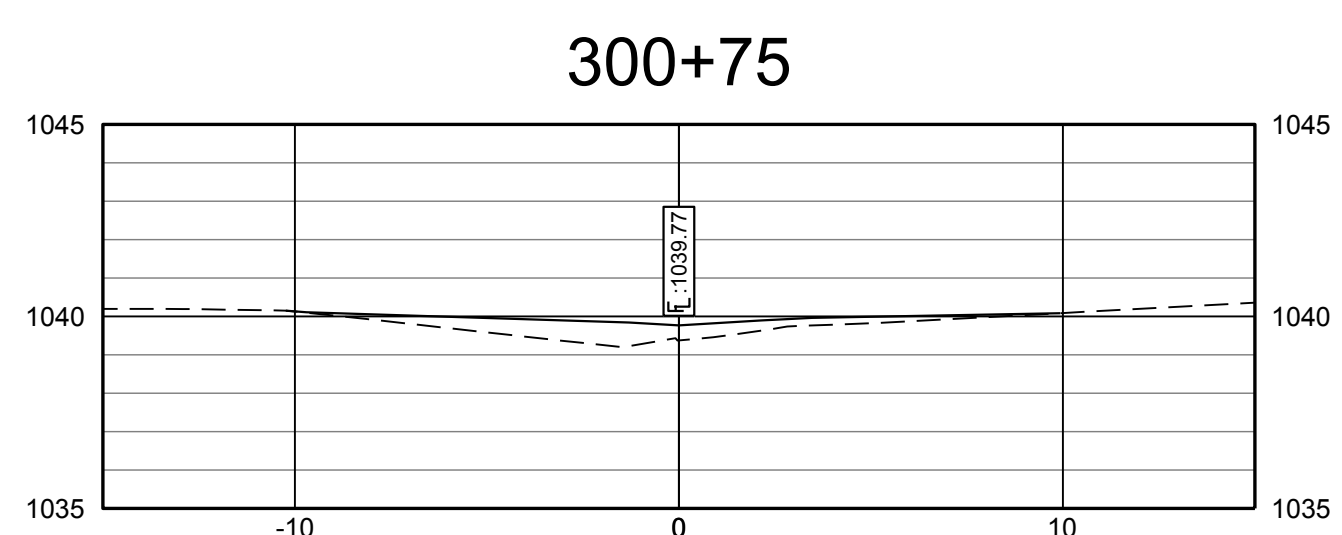
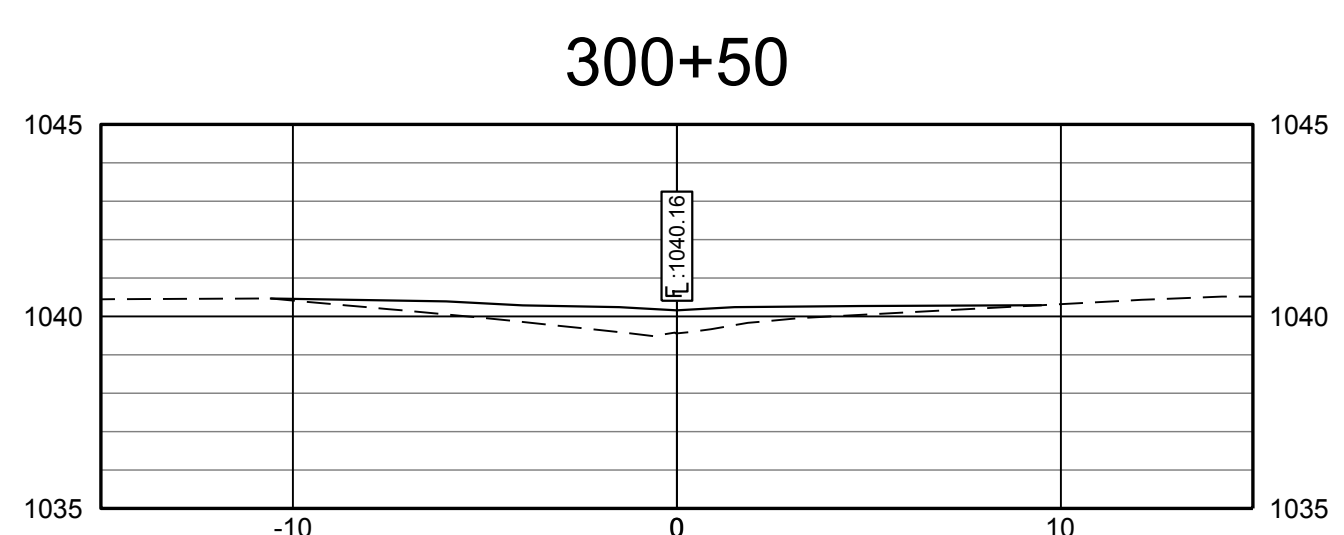
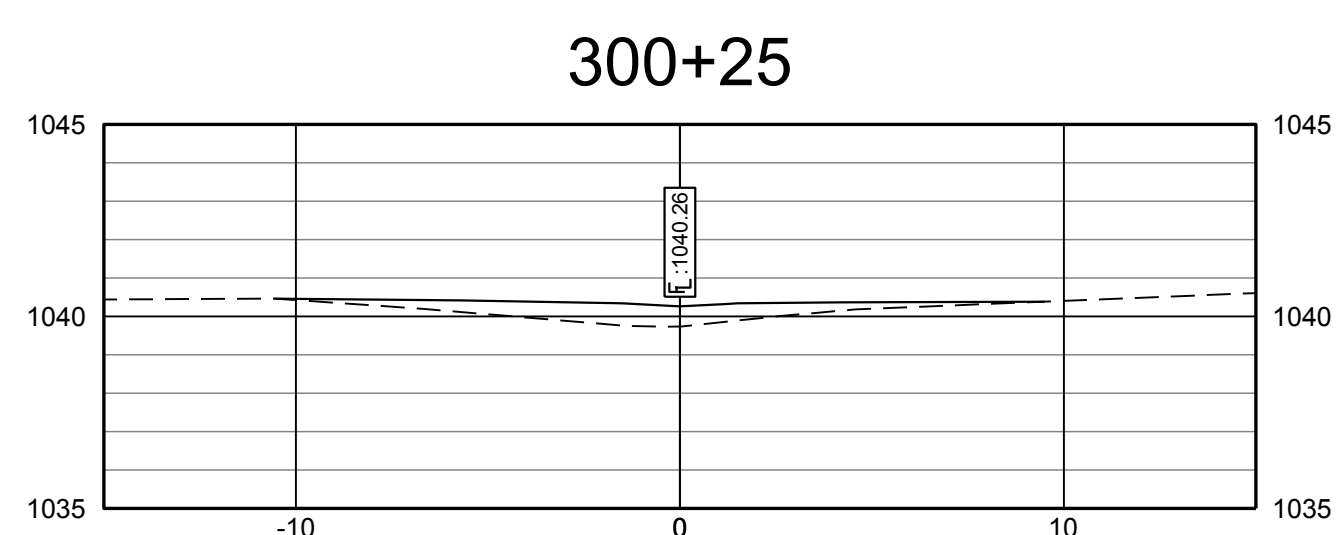
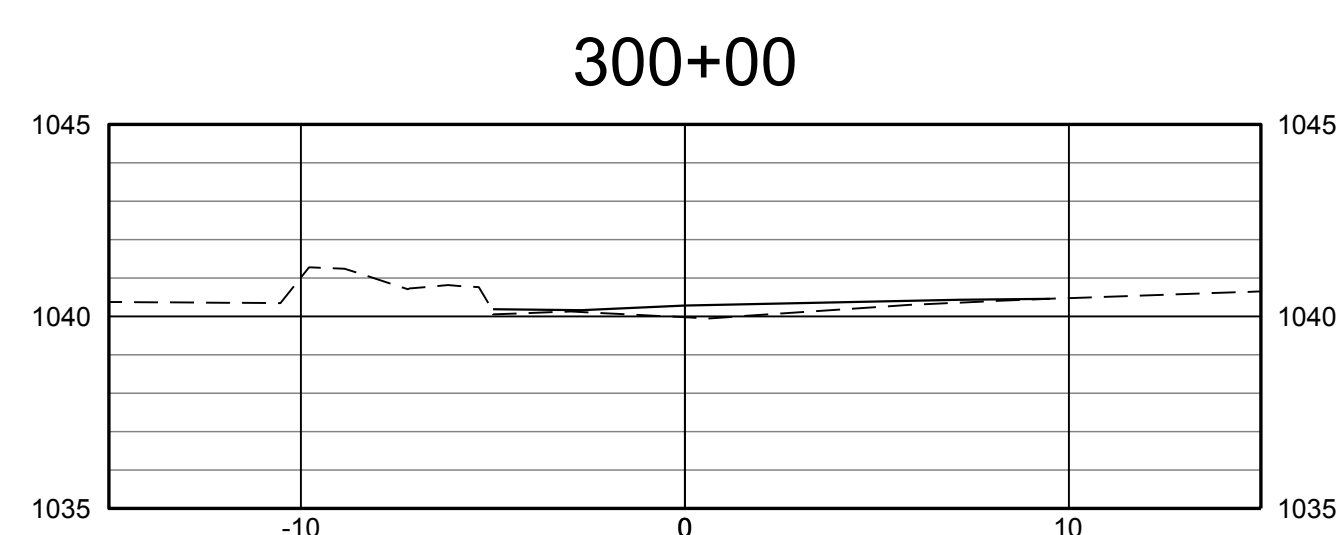
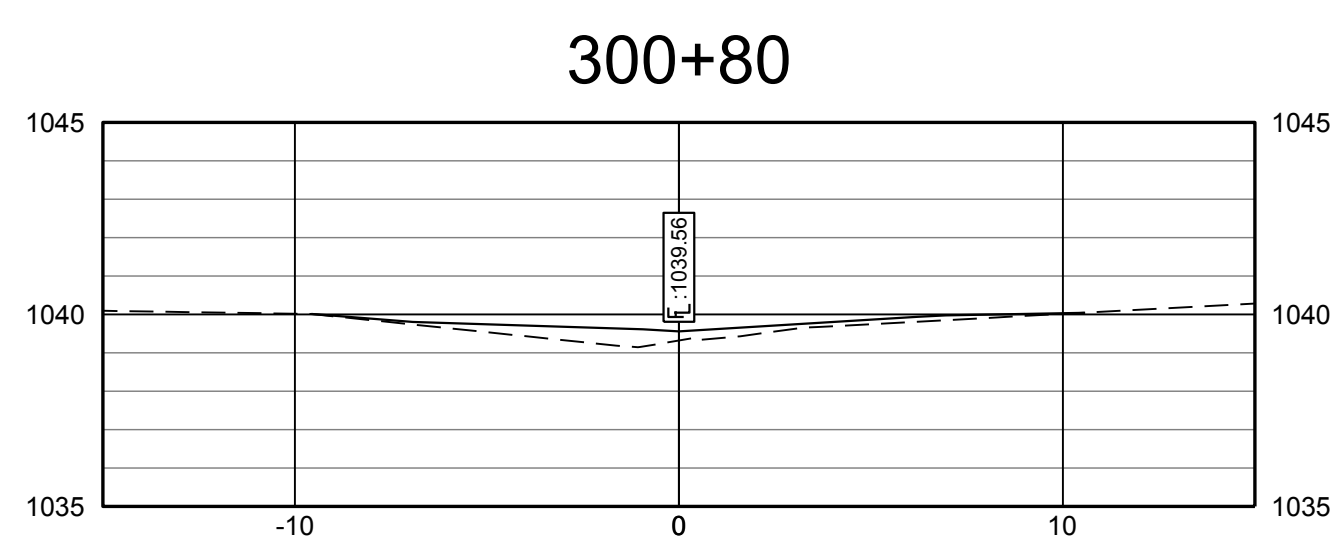
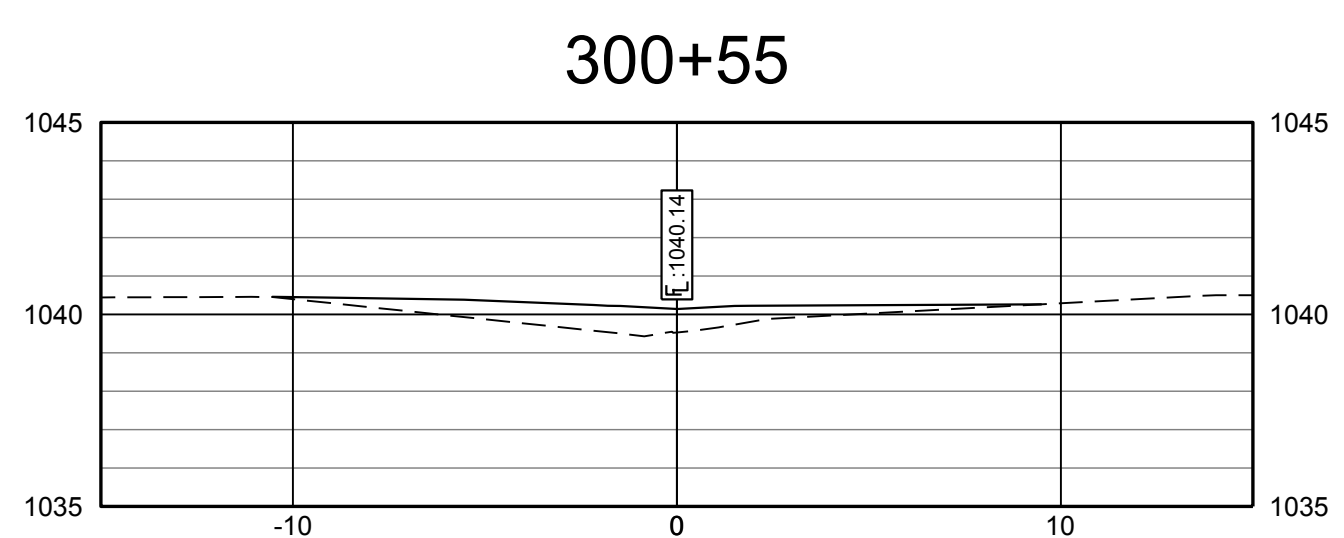
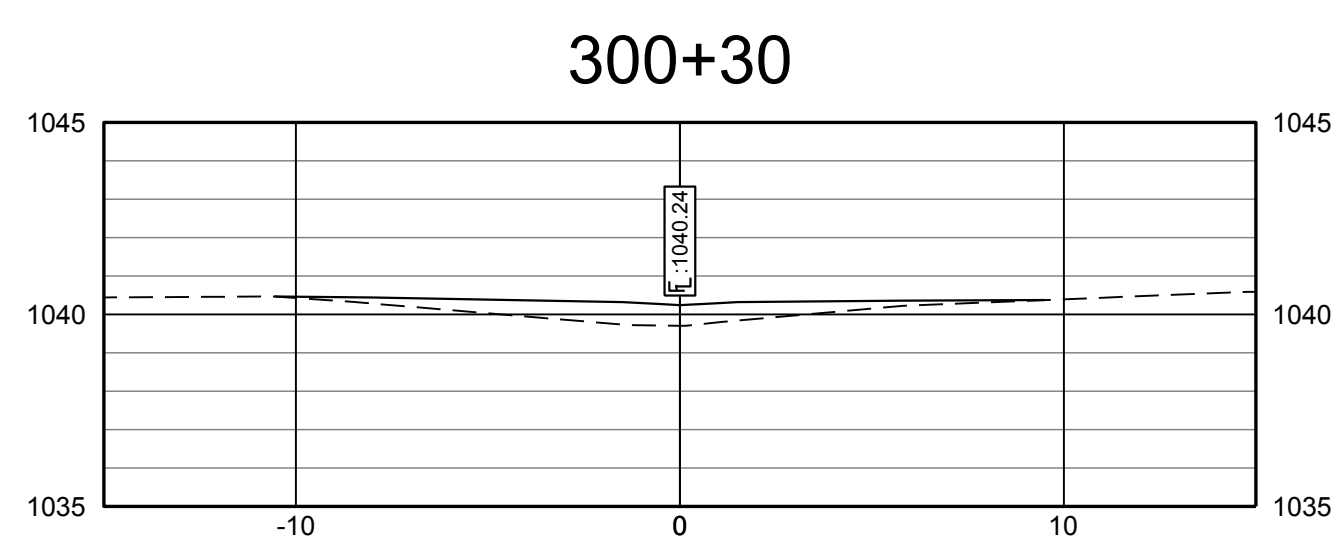
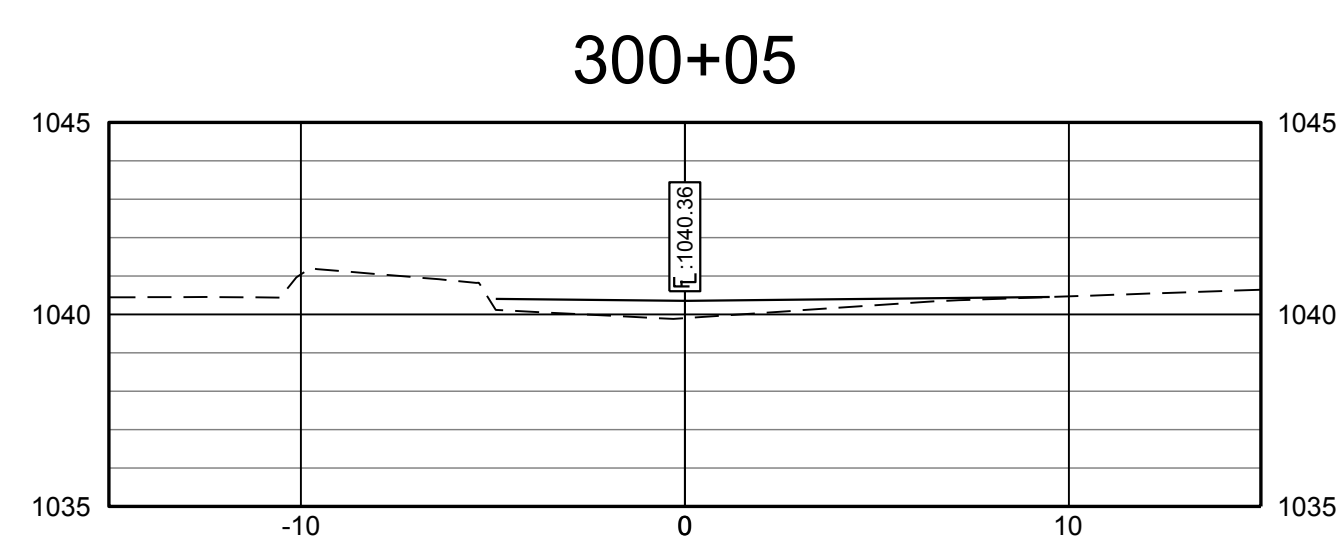
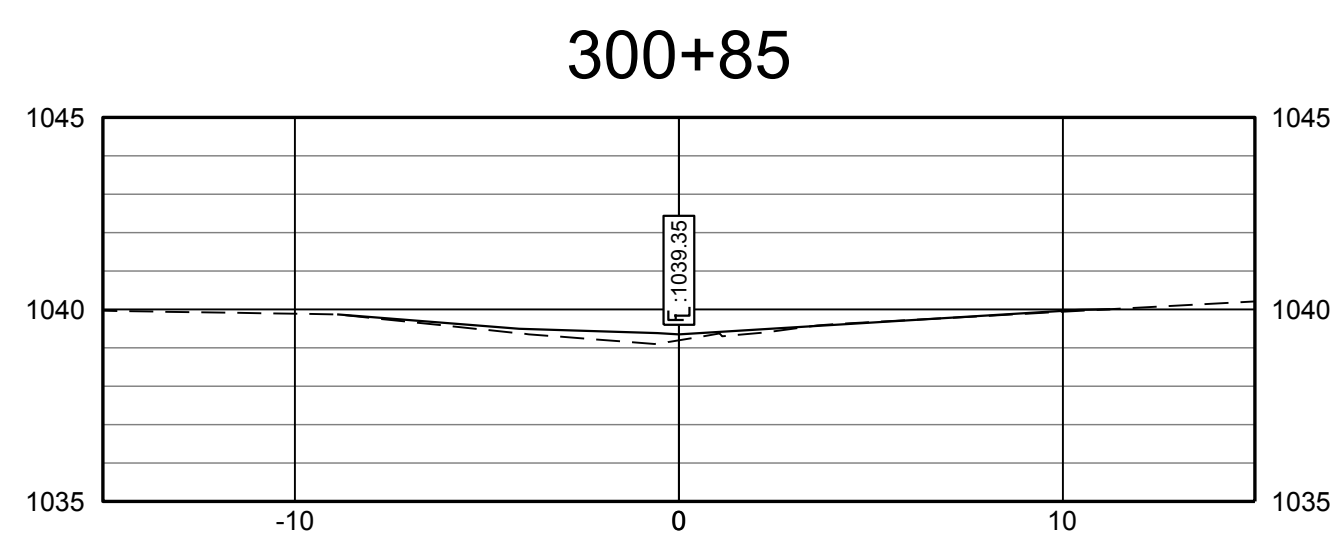
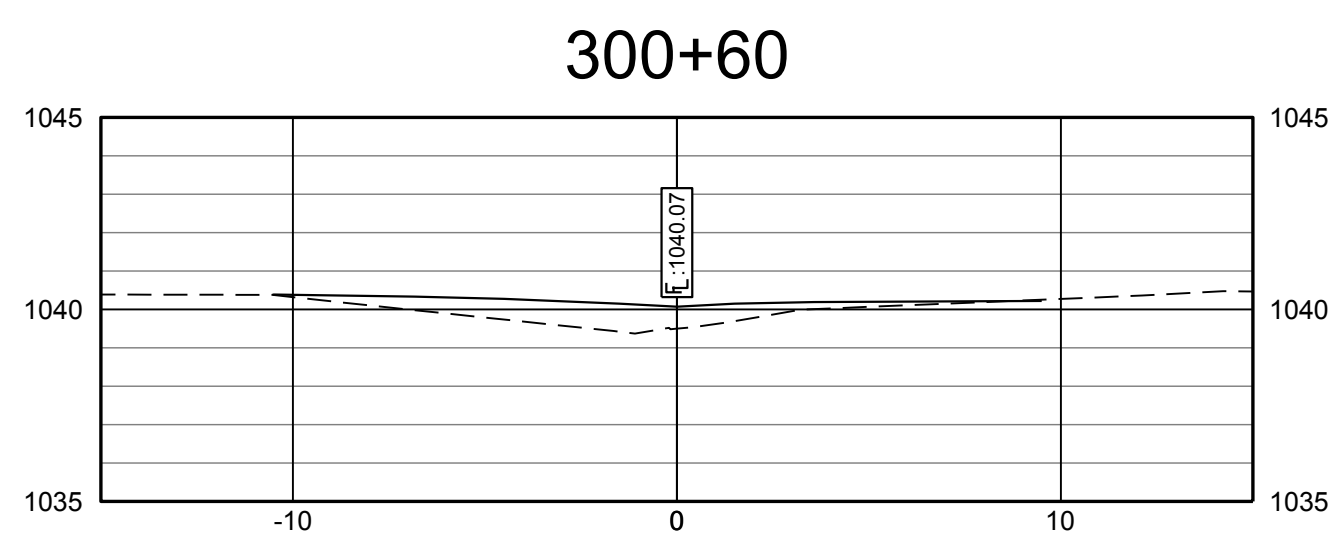
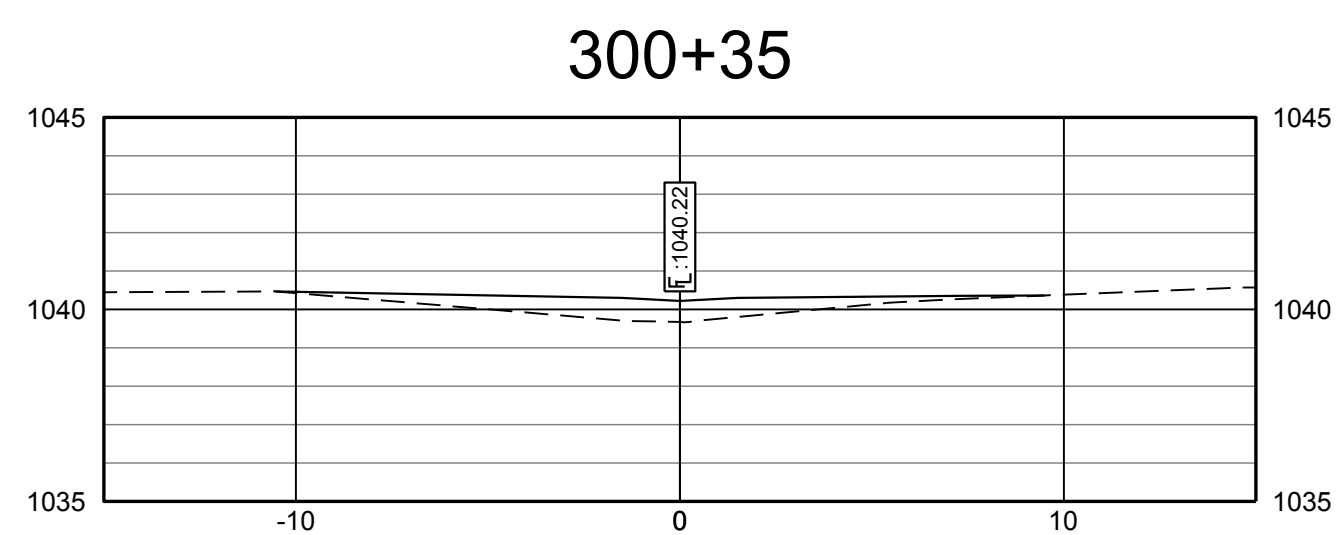
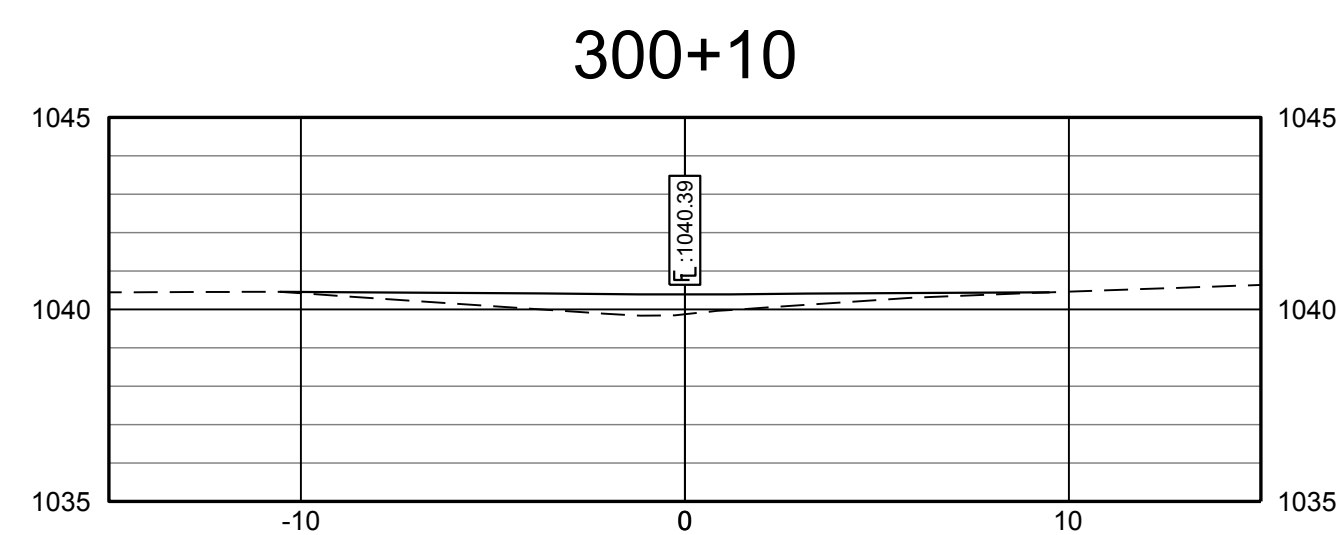
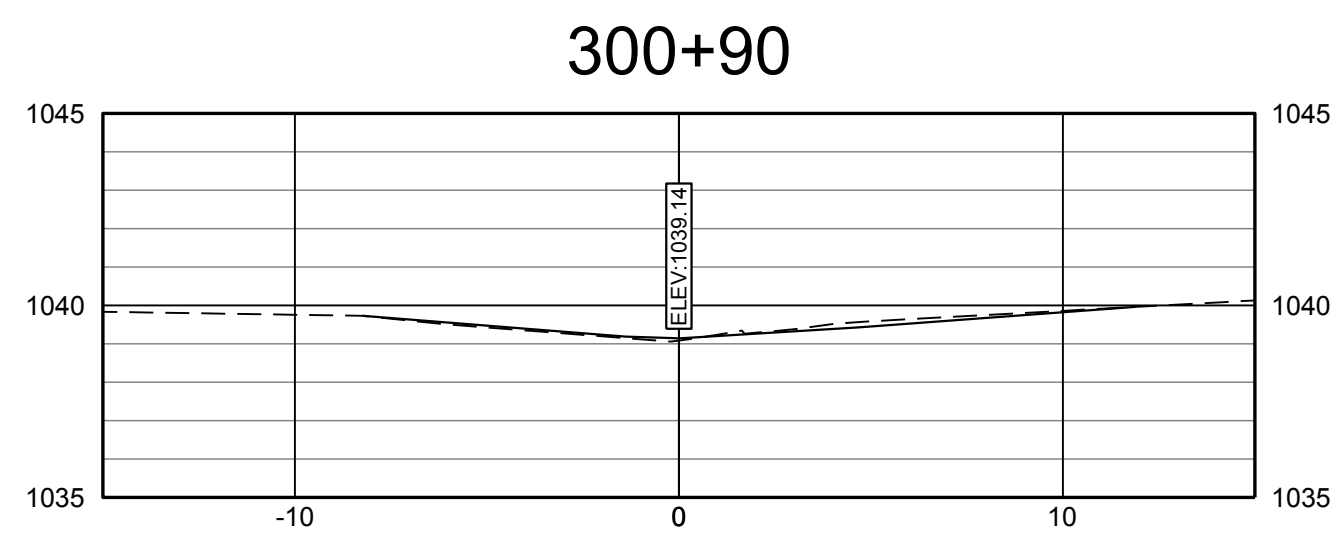
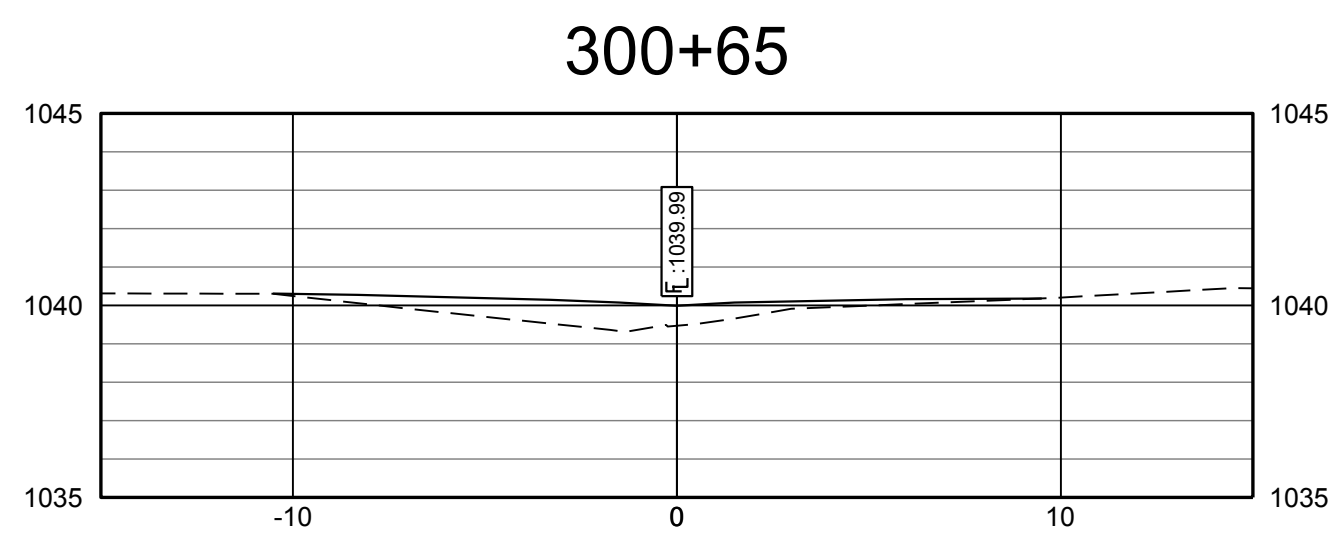
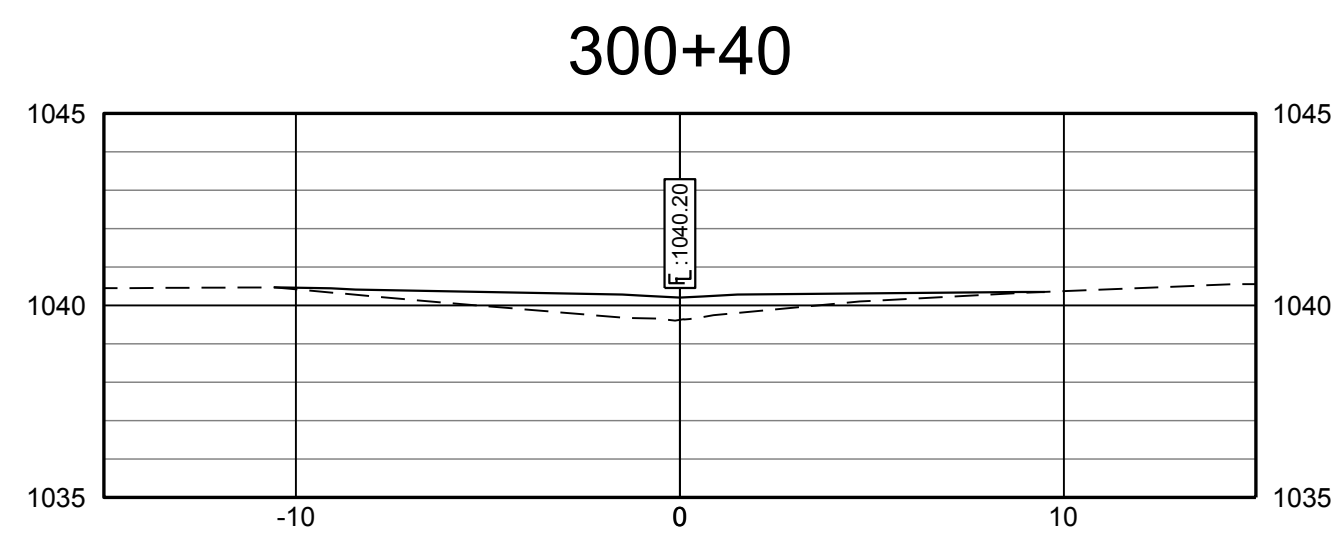
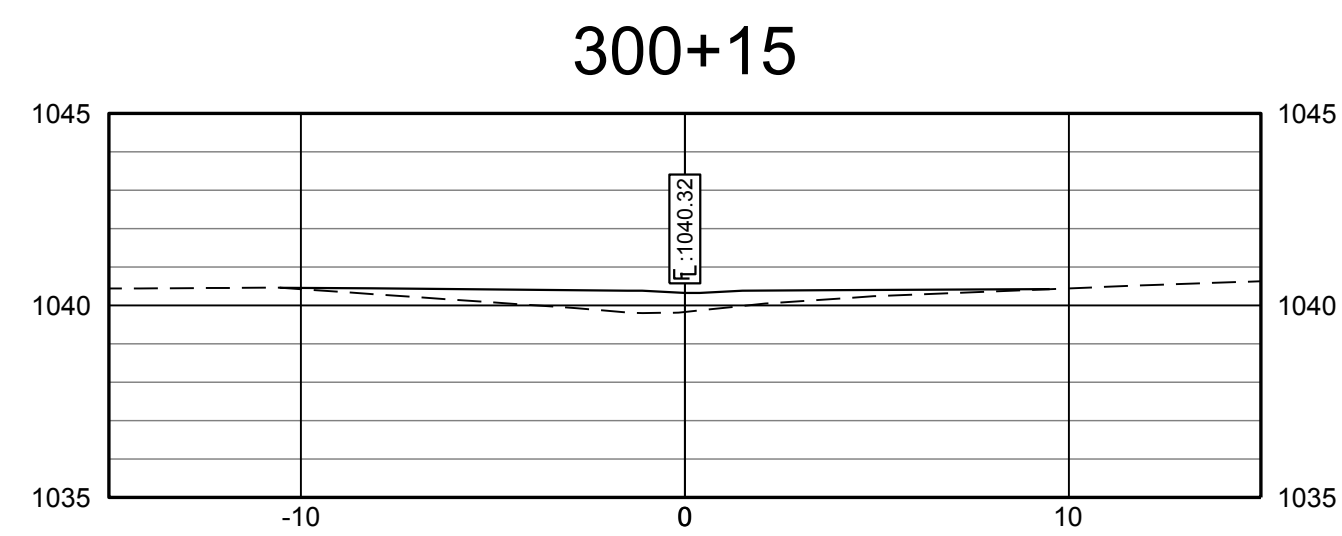
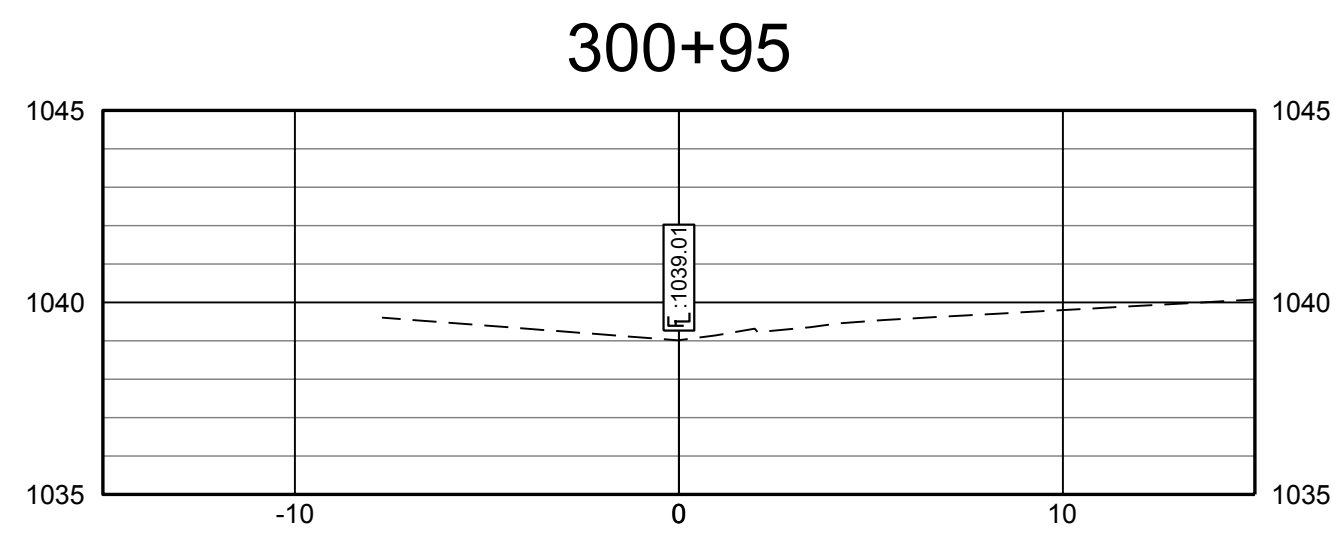
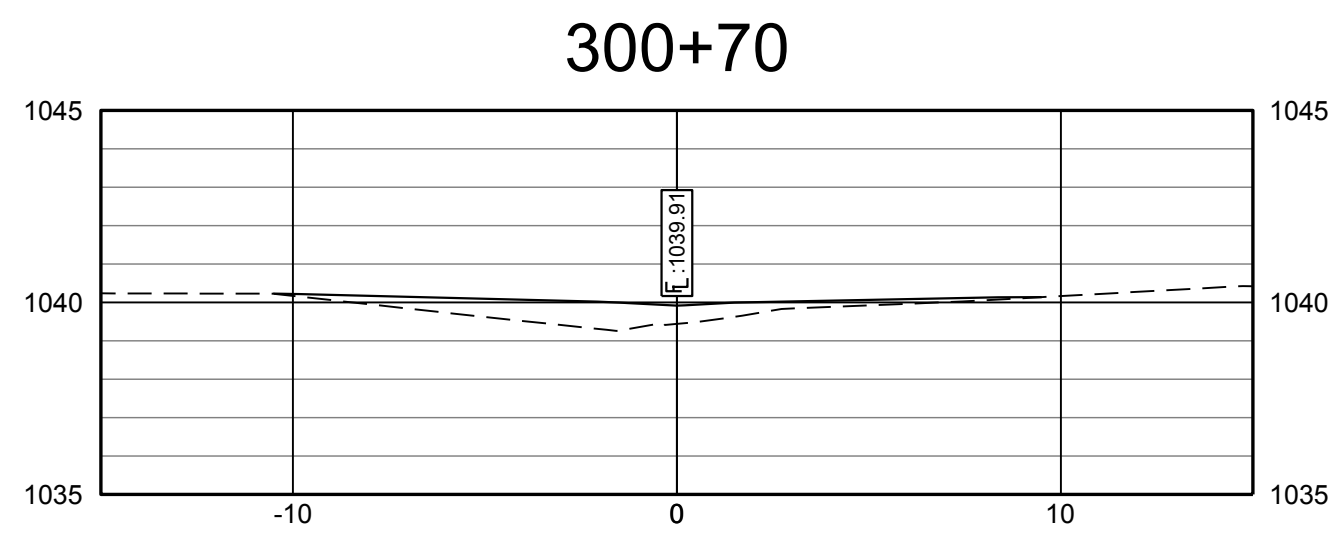
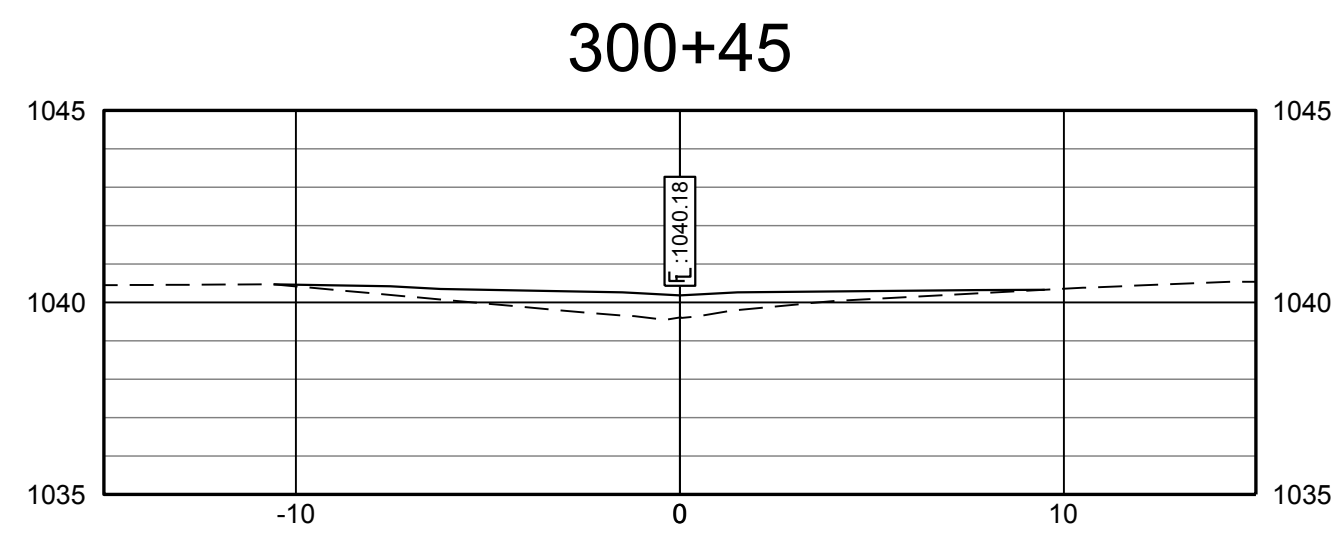
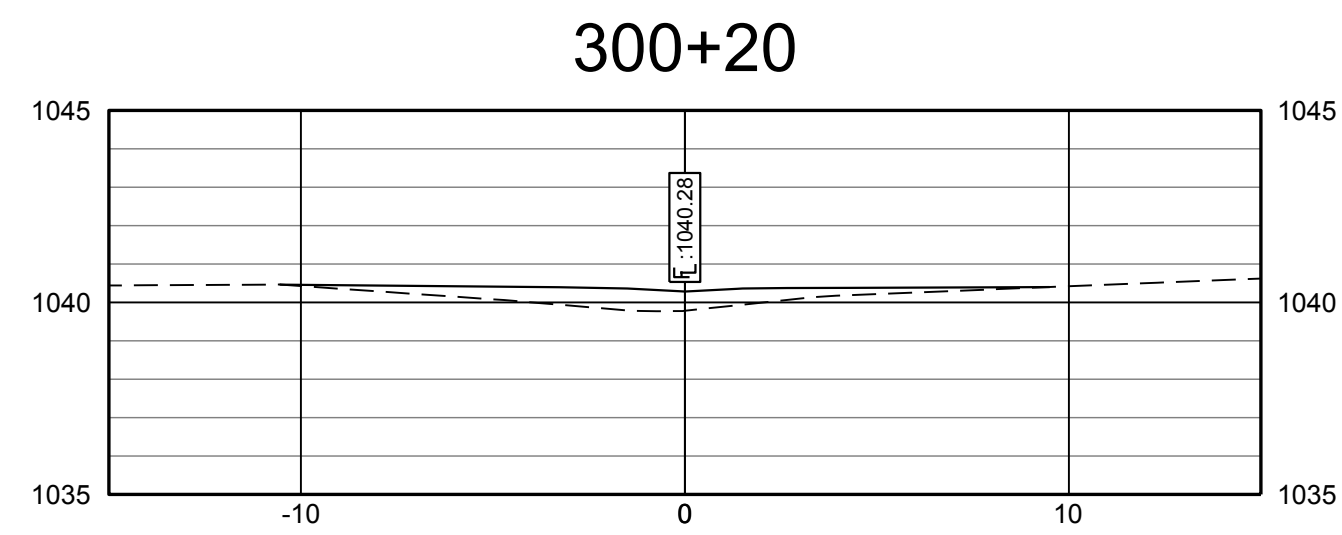
Project Name:
USD 320 BUS FACILITY & HIGH SCHOOL PARKING IMPROVEMENTS

Project Address:
WAMEGO, KS

Sheet Title:
HIGH SCHOOL PARKING STORM SEWER

Sheet:
C9

Of:



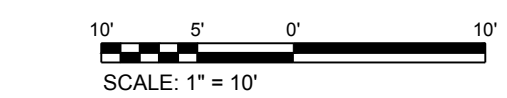
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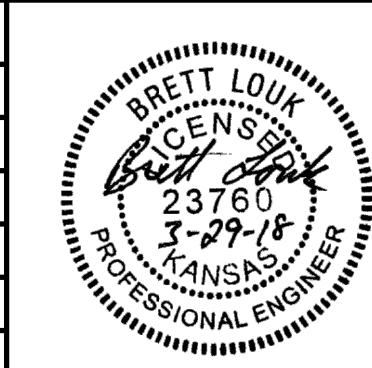
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Project Name:
USD 320 BUS FACILITY & HIGH SCHOOL PARKING IMPROVEMENTS

Project Address:
WAMEGO, KS

Sheet Title:
HIGH SCHOOL PARKING CROSS SECTIONS

Sheet:
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Of: