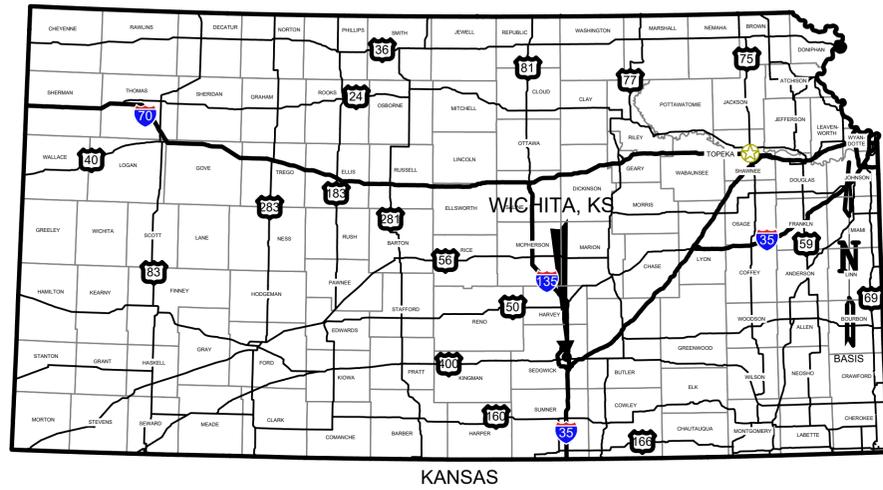


OJ WATSON PARK CONCESSION BUILDING LANDSCAPE IMPROVEMENTS

CITY ENGINEER: PAUL GUNZELMAN / ENGINEERING PROJECT NUMBER 482-11091

CITY OF WICHITA WICHITA, KANSAS



LOCATION MAP



VICINITY MAP
NO SCALE

SHEET INDEX	
SHEET NO.	TITLE
G-001	COVER SHEET
G-002	PROJECT GENERAL NOTES AND SITE ACCESS PLAN
G-003	EXISTING CONDITIONS PLAN
C-010	SITE DEMOLITION PLAN
C-011	TREE PRESERVATION PLAN
C-101	SITE LAYOUT PLAN
C-201	SITE GRADING PLAN
C-301	SITE EROSION CONTROL PLAN
C-501	SITE CIVIL DETAILS
C-502	SITE CIVIL DETAILS
C-503	SITE CIVIL DETAILS
C-504	SITE CIVIL DETAILS
C-505	C.O.W. EROSION CONTROL DETAILS
C-506	C.O.W. EROSION CONTROL DETAILS
C-507	C.O.W. EROSION CONTROL DETAILS
C-508	C.O.W. EROSION CONTROL DETAILS
C-509	STAIR REPAIR PLAN
L-201	LANDSCAPE PLAN AND PLANT SCHEDULE
L-501	LANDSCAPE GENERAL NOTES AND DETAILS
E-101	SITE ELECTRICAL PLAN

GARVER PROJECT NO. F02-2500484
AUGUST 2025



1995 Midfield Road
Wichita, KS 67209
(316) 264-8008



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REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
DEPT. OF PARK & RECREATION
WICHITA, KANSAS
Eng # 482-11091
OJ WATSON PARK
CONCESSIONS BUILDING
LANDSCAPE IMPROVEMENTS

COVER SHEET

JOB NO.: 2500484
DATE: AUG 2025
DESIGNED BY: BDT
DRAWN BY: CES

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
G-001

SHEET NUMBER

GENERAL SITE NOTES

- CAUTION: UNDERGROUND UTILITIES LIE WITHIN AND ADJACENT TO THE LIMITS OF CONSTRUCTION. AN ATTEMPT HAS BEEN MADE TO LOCATE THESE UTILITIES ON THE PLANS, HOWEVER ALL EXISTING UTILITIES MAY NOT BE SHOWN AND THE ACTUAL LOCATIONS OF THE UTILITIES MAY VARY FROM LOCATIONS SHOWN. PRIOR TO BEGINNING ANY TYPE OF EXCAVATION, THE CONTRACTOR SHALL MARK THE VISIBLE UTILITIES & THE UTILITIES SHOWN ON THE PLANS IN THE FIELD. THE CONTRACTOR SHALL MAINTAIN THE UTILITY LOCATION MARKING UNTIL THEY ARE NO LONGER NECESSARY.
- DIMENSIONS ARE GIVEN TO BACK OF CURB, CENTER OF STRIPE, FACE OF BUILDING, EDGE OF PAVEMENT, OR PROPERTY LINE.
- COORDINATES GIVEN FOR RADII ARE FROM THE CENTER OF THE RADIUS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE APPROPRIATE BARRICADES AND SAFETY PRECAUTIONS IN ALL EXCAVATED AREAS. EXCAVATED AREAS SHALL BE ADEQUATELY FILLED OR COVERED BY THE CONTRACTOR BEFORE LEAVING THE JOBSITE EACH DAY.
- CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO EXISTING STRUCTURES, PAVEMENTS, PLANT MATERIALS, AND UTILITIES.
- CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS TO THE SITE DURING CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN THE SITE IN AN ORDERLY AND CLEAN FASHION.
- ALL WASTE MATERIALS GENERATED FROM CONSTRUCTION BECOME THE PROPERTY OF THE CONTRACTOR. THE CONTRACTOR SHALL REMOVE THE WASTE MATERIALS FROM THE SITE AND DISPOSE OF IN A LEGAL MANNER.
- ITEMS LABELED AS "PROPOSED" OR "INSTALL" SHALL BE CONSTRUCTED AS INDICATED IN THE CONSTRUCTION DOCUMENTS AS PART OF THIS PROJECT.

EROSION CONTROL NOTES

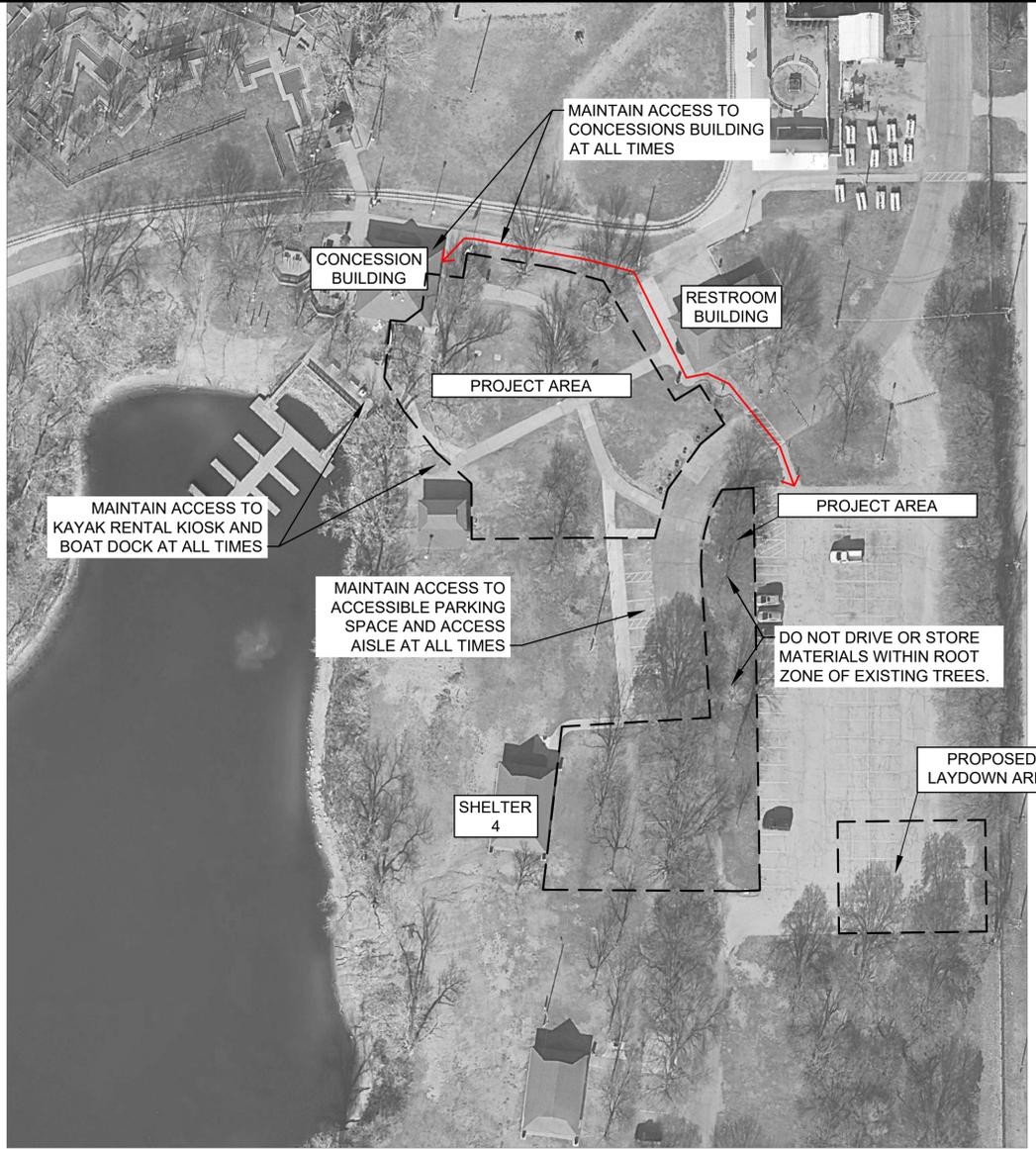
- LIMIT OF THE PROJECT IS APPROXIMATELY 0.85 ACRES. TOTAL AREA DISTURBED BY IMPROVEMENTS IS APPROXIMATELY 36,085 SQ. FT. / 0.85 ACRES.
- GRADING FOR THIS PROJECT WILL BE PERFORMED IN ONE CONTINUOUS OPERATION. CONTRACTOR SHALL CONTACT AND SCHEDULE A FIELD REVIEW OF THE FINAL GRADES WITH CITY STAFF AND/OR REPRESENTATIVE WORKING ON BEHALF OF THE CITY.
- COLLECTING AND DISCHARGING SURFACE WATERS WILL BE THROUGH AN EXTENSION OF EXISTING ON-SITE STORM SEWER. THIS SYSTEM WILL DISCHARGE TO THE EXISTING ON-SITE STORM WATER SEWER SYSTEM.
- EROSION AND SEDIMENT CONTROL MEASURES MUST BE INSTALLED BY THE CONTRACTOR PRIOR TO DISTURBANCE OF THE LAND. THESE MEASURES WILL SATISFY THE REQUIREMENTS OF THE CONTRACT SPECIFICATIONS AND THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT AND SHALL INCLUDE AS A MINIMUM:
 - A. ON DISTURBED PORTIONS OF THE SITE THAT WILL BE LEFT OPEN AND UNMAINTAINED FOR A PERIOD OF MORE THAN 14 CALENDAR DAYS, NO LATER THAN THE NEXT WORKDAY WITH SUITABLE WEATHER CONDITIONS AFTER WORK HAS STOPPED, COVER WITH ANCHORED STRAW MULCHING AT THE RATE OF 2 TONS PER ACRE.
 - B. IN THE OCCASION THAT WIND EROSION BECOMES EVIDENT, THE CONSTRUCTION SITE MUST BE SPRINKLED WITH WATER TO CONTROL DUST.
 - C. VEHICLE TRACKING OF SEDIMENT MUST BE KEPT TO A MINIMUM AND HAUL ROUTES MUST BE CLEANED IF TRACKING BECOMES EXCESSIVE AS DETERMINED BY THE CONTRACTING OFFICER.
- PERMANENT STABILIZATION MUST BE INSTALLED BY THE CONTRACTOR. NO NETTING TO BE USED. USE ONLY CURLEX NET-FREE 100% BIODEGRADABLE EROSION CONTROL FABRIC UP TO 3:1 SLOPE, NATURAL, OR APPROVED EQUAL.
- ANTICIPATED PROJECT SCHEDULE IS FOR CONSTRUCTION TO BEGIN AFTER RECEIPT OF NOTICE TO PROCEED. INSTALLATION OF PERMANENT VEGETATION COVER WILL BEGIN IMMEDIATELY UPON COMPLETION OF CONSTRUCTION ACTIVITIES. TREES MAY BE PLANTED IN SPRING OR FALL. HOWEVER, SHRUBS SHALL NOT BE PLANTED BETWEEN OCTOBER 15 AND APRIL 15.
- FOLLOW ALL APPLICABLE CITY OF WICHITA EROSION CONTROL PRACTICES. SEE SHEET C-504 TO C-508 FOR EROSION CONTROL DETAILS.
- EROSION CONTROL MUST STAY IN PLACE UNTIL FINAL STABILIZATION IS COMPLETED.

GENERAL CONSTRUCTION NOTES

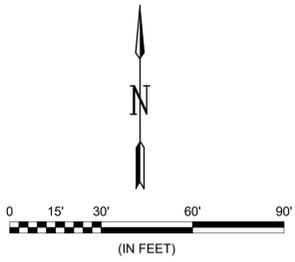
- CONTRACTOR SHALL COORDINATE WITH PARK & RECREATION DEPARTMENT AND PUBLIC WORKS AND UTILITIES DEPARTMENT MAINTENANCE PERSONNEL FOR HELP IN LOCATING EXISTING UNDERGROUND FACILITIES AND UTILITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES MARKED OR UNMARKED BEFORE COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL USE EXTREME CARE IN ALL EXCAVATIONS TO AVOID CONFLICTS WITH ALL UTILITIES MARKED OR UNMARKED. THE CONTRACTOR AGREES TO PRESERVE ANY AND ALL UTILITIES AND STRUCTURES WITHIN TWO FEET OF FIELD MARKED UNDERGROUND UTILITIES. CONTRACTOR SHALL CONTACT KANSAS ONE CALL TWO (2) WORKING DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
- COMPLY WITH FEDERAL, STATE AND ARMY LAWS AND REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE NORMAL OPERATION FUNCTIONS OF ALL UTILITY SYSTEMS OF THE BUILDING THROUGH THE CONSTRUCTION SITE DURING THE ENTIRE DURATION OF THE PROJECT.
- ALL TREES ON-SITE SHALL BE PRESERVED, WITH THE EXCEPTION OF THOSE INDICATED FOR REMOVAL. TREES WITHIN THE WORK LIMITS SHALL HAVE TREE PROTECTION INSTALLED PER DETAILS CONTAINED WITHIN THIS DOCUMENT.
- PROTECT ALL PAVEMENTS ON-SITE FROM SURFACE MARRING OR DAMAGE. USE PLYWOOD WHERE EQUIPMENT WILL BE CROSSING.
- LAYDOWN LOCATION SHOWN ON SITE ACCESS PLAN (THIS SHEET) IS RECOMMENDED. SUBMIT FINAL WORK PLAN WITH LAYDOWN LOCATION AND TRAFFIC CONTROL PLAN TO CITY OF WICHITA FOR APPROVAL PRIOR TO MOBILIZATION.
- ALL TRAFFIC CONTROL DEVICES USED ON ROAD CONSTRUCTION SHALL CONFORM TO AND BE PLACED IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS. TWO WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES. ONE LANE WITH FLAGGERS, TWO LANES WITHOUT FLAGGERS. CONTRACTOR SHALL USE TRAFFIC DRUMS OR DELINEATOR POSTS TO CHANNELIZE TRAFFIC AS DIRECTED BY THE ENGINEER. ALL TRAFFIC DRUMS SHALL BE PLACED AT 25-FT. O.C. FOR EXTENDED TANGENTS AND AT 10-FT O.C. FOR CURVES, TAPERS, AND NEAR INTERSECTIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL PERMITTING ON THIS PROJECT.
- CONSTRUCTION FENCING IS REQUIRED AROUND THE CONSTRUCTION SITE AT ALL TIMES. ORANGE CONSTRUCTION FENCING IS ACCEPTABLE. SEE 'TEMP SITE FENCING'
- SHOULD THERE BE ANY PLANNED INTERRUPTION TO CONCESSIONS BUILDING FOR ELECTRIC OR WATER SERVE, THE CONTRACTOR SHALL NOTIFY CONCESSION BUILDING PERSONNEL AT LEAST TWO (2) WORKING DAYS IN ADVANCED OF THE PLANNED SERVICE INTERRUPTION.

REQUIRED SUBMITTALS

ITEM	SUBMITTAL CONTENT	DETAIL LOCATION
LIMESTONE BLOCK (WALL)	MATERIAL PHOTOS WITH SCALE FIGURE OR MEASURING DEVICE SHOWN	REFER TO 4 / C-502
LIMESTONE BENCH	MATERIAL PHOTOS WITH SCALE FIGURE OR MEASURING DEVICE SHOWN	REFER TO 2 / C-502
CRUSHED LIMESTONE	ONE (1) PINT MATERIAL SAMPLE	REFER TO 3 / C-502
HAND RAILING	SHOP DRAWINGS AND COLOR SAMPLE	REFER TO 3 / C-503 AND 4 / C-503
DRY WELL ROCK	MATERIAL PHOTO	REFER TO 1 / C-502
CONCRETE STAIR REPAIR MIX	PRODUCT CUT SHEETS	REFER TO SHEET C-509
EROSION CONTROL FABRIC	PRODUCT CUT SHEETS	REFER TO EROSION CONTROL NOTE #5 AND CITY SPECS
TOPSOIL	CERTIFIED LABORATORY TESTING REPORT	REFER TO GENERAL PLANTING NOTE #10 SHEET L-501
SOD	SOD SOURCE INFO AND CERTIFICATION	REFER TO LANDSCAPE PLAN SHEET L-201
TEMPORARY SEED	SEED CERTIFICATE	REFER TO CITY SPECS
GRAVEL PAVE2 (OR EQUAL)	PRODUCT CUT SHEETS	REFER TO 3 / SHEET C-502



A SITE ACCESS PLAN
SCALE: NONE



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 (316) 264-8008

BRENT D. THOMAS
 LICENSED ARCHITECT
 669
 KANSAS ARCHITECT
 Digitally Signed 08/04/2025

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
 DEPT. OF PARK & RECREATION
 WICHITA, KANSAS
 Eng #: 482-11091
OJ WATSON PARK
 CONCESSIONS BUILDING
 LANDSCAPE IMPROVEMENTS

PROJECT NOTES AND SITE ACCESS PLAN

JOB NO.: 2500484
 DATE: AUG 2025
 DESIGNED BY: BDT
 DRAWN BY: CES

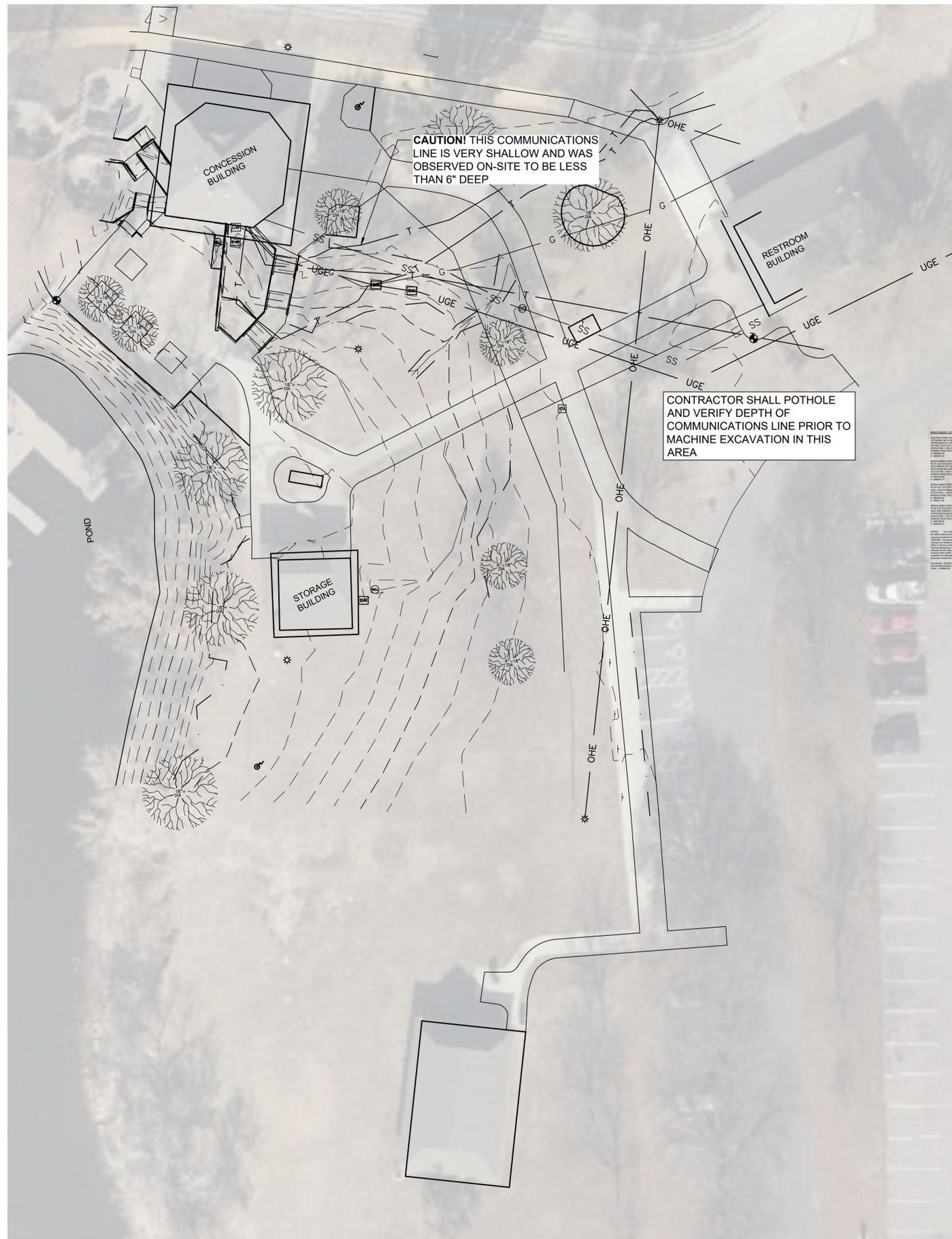
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DRAWING NUMBER
G-002

SHEET NUMBER

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 Last plotted by: Thomas, Brent D. Plot Style: AECmonochrome.ctb Plot Date: 7/21/2025 2:02 PM Plotter used: None



LEGEND

- EXISTING CONTOURS
- SD SD STORMWATER DRAIN
- E-E-E-E-E- UNDERGROUND ELECTRIC (EVERGY)
- OHE OVERHEAD ELECTRIC (EVERGY)
- T-T- UNDERGROUND TELEPHONE (AT&T)
- G GAS LINE (KANSAS GAS SERVICE)
- Ⓜ GAS METER
- Ⓜ ELECTRIC BOX
- Ⓜ SIGN
- Ⓜ WELL
- Ⓜ SEWER CLEANOUT
- Ⓜ AIR CONDITIONING UNIT
- Ⓜ IRRIGATION EQUIPMENT
- * SITE LIGHT
- x LOCATION OF SPOT ELEVATION
- Ⓜ DECIDUOUS TREE 18" AND ABOVE
- Ⓜ DECIDUOUS TREE 6-18" DIA

UTILITY INFORMATION

KANSAS ONE CALL TICKET NO: 23611539
 AT&T - JASON EDWARDS, JE1682@ATT.COM, 316-268-2008
 COX COMMUNICATIONS - JAMES WALBURN, JAMES.WALBURY@COX.COM, 316-260-7491
 KANSAS GAS SERVICE - SARA PROCTOR, SARA.PROCTOR@ONEGAS.COM, 316-832-3178
 EVERGY - ZACH LAWS - CACHARY.LAWS@EVERGY.COM, 316-261-6264
 WICHITA WATER - JEFF CROSBY, JCROSBY@WICHITA.GOV, 316-268-4555
 WICHITA PARKS AND RECREATION IRRIGATION - JASON GONZALES, 316-350-3171

SURVEY CONTROL

CONTROL POINT #100:
 1/2" REBAR WITH ORANGE GARVER CONTROL CAP, APPROXIMATELY 45 FEET NORTH OF PICNIC SHELTER AND 107 FEET EAST OF THE LAKE, ELEVATION = 1282.39 (NAVD88, G18)
 KANSAS ZONE SOUTH STATE PLANE COORDINATES
 N 1669554.25
 E 1648537.23

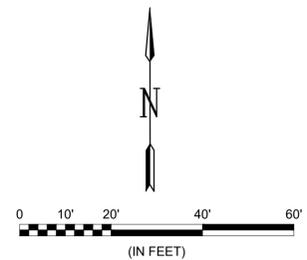
BENCH MARK POINT #101:
 PLUS CUT ON SOUTH EDGE OF CONCRETE WALK, 13 FEET SOUTHWEST OF THE SOUTHWEST CORNER OF THE RESTROOM BUILDING AND 190 FEET EAST OF THE LAKE, ELEVATION = 1282.11 (NAVD88, G18)
 KANSAS ZONE SOUTH STATE PLANE COORDINATES
 N 1669726.63
 E 1648644.37

BENCH MARK POINT #102:
 PLUS CUT ON TOP OF SOUTHWEST CORNER OF RETAINING WALL FOR ENTRANCE TO MINIATURE GOLF, ELEVATION = 1283.64 (NAVD88, G18)
 KANSAS ZONE SOUTH STATE PLANE COORDINATES
 N 1669846.94
 E 1648417.36

BENCH MARK POINT #103:
 PLUS CUT ON SOUTHWEST CORNER OF BOAT DOCK, 44 FEET SOUTHWEST OF THE SOUTHWEST CORNER OF THE CONCESSION BUILDING, ELEVATION = 1274.33 (NAVD88, G18)
 KANSAS ZONE SOUTH STATE PLANE COORDINATES
 N 1669738.95
 E 1648420.27

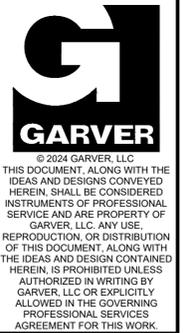
NOTES: The underground utilities shown were marked on-site by utility locators and/or described in provided utility records in response to Kansas One Call Ticket Number: 25003381 & 25030259. The surveyor makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The surveyor does not warrant that the underground utilities shown are in the exact location indicated by the utility locators and/or utility records, although the surveyor does certify that they are located as accurately as possible from information available. The surveyor has not physically located the underground utilities.

Coordinates - NAD83 Kansas Zone South State Plane
 Coordinates Elevation Datum - NAVD88 Geoid 18 Project
 Scale Factor - 0.99994743



A EXISTING CONDITIONS PLAN
 SCALE: 1" = 20'

FOR INFORMATION ONLY



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 (316) 264-8008



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REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
 DEPT. OF PARK & RECREATION
 WICHITA, KANSAS
 Eng #: 482-11091
 OJ WATSON PARK
 CONCESSIONS BUILDING
 LANDSCAPE IMPROVEMENTS

EXISTING CONDITIONS PLAN

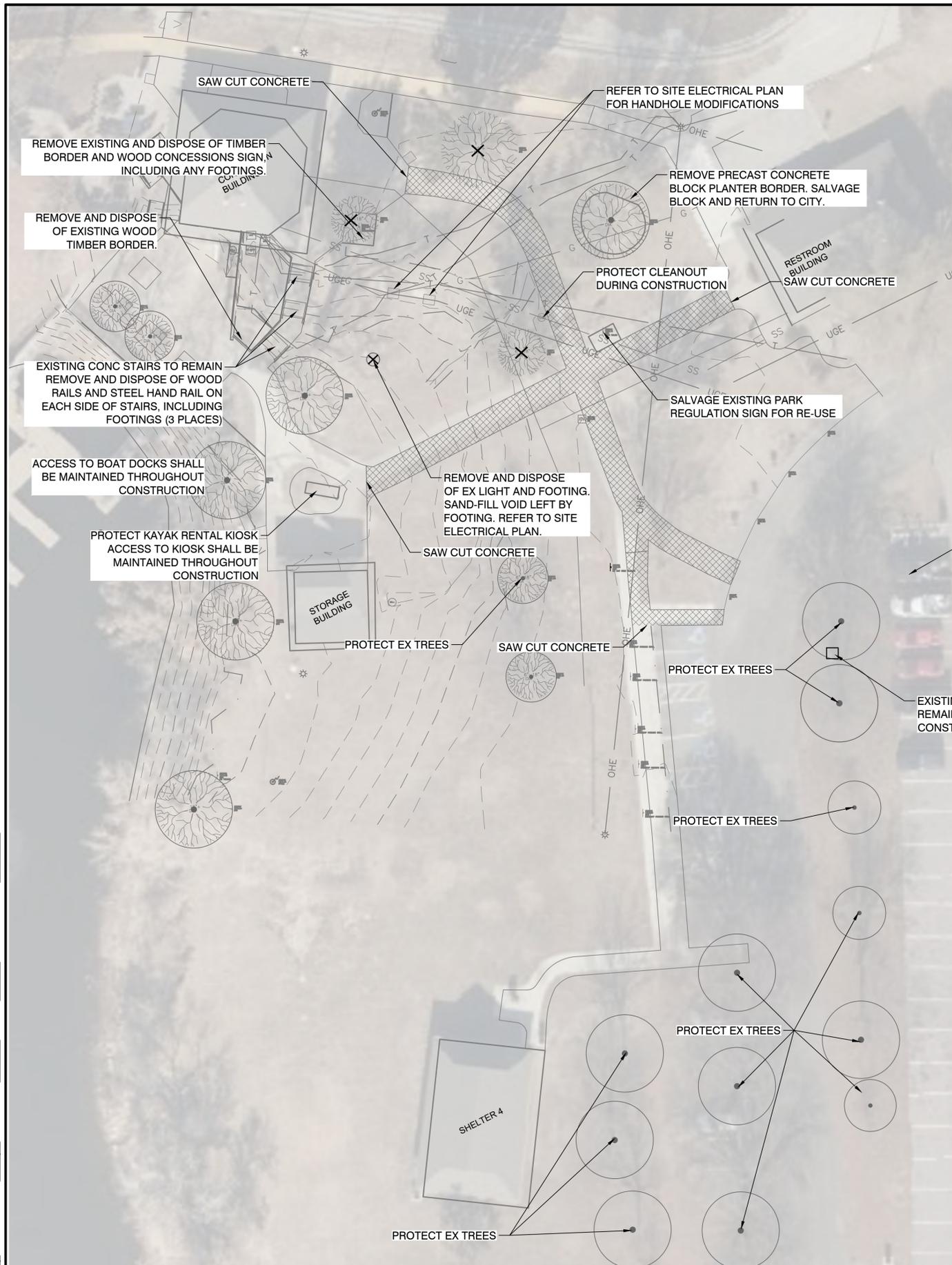
JOB NO.: 2500484
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 DESIGNED BY: BDT
 DRAWN BY: CES

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DRAWING NUMBER
G-003

SHEET NUMBER

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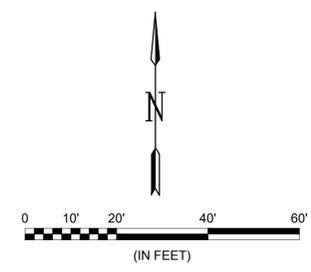
A SITE DEMOLITION PLAN
 SCALE: 1" = 20'

DEMOLITION NOTES

1. CAUTION: UNDERGROUND UTILITIES LIE WITHIN AND ADJACENT TO THE LIMITS OF CONSTRUCTION. AN ATTEMPT HAS BEEN MADE TO LOCATE THESE UTILITIES ON THE PLANS, HOWEVER ALL EXISTING UTILITIES MAY NOT BE SHOWN AND THE ACTUAL LOCATIONS OF THE UTILITIES MAY VARY FROM LOCATIONS SHOWN. PRIOR TO BEGINNING ANY TYPE OF EXCAVATION, THE CONTRACTOR SHALL MARK THE VISIBLE UTILITIES & THE UTILITIES SHOWN ON THE PLANS IN THE FIELD. THE CONTRACTOR SHALL MAINTAIN THE UTILITY LOCATION MARKING UNTIL THEY ARE NO LONGER NECESSARY.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE APPROPRIATE BARRICADES AND SAFETY PRECAUTIONS IN ALL EXCAVATED AREAS. EXCAVATED AREAS SHALL BE ADEQUATELY FILLED OR COVERED BY THE CONTRACTOR BEFORE LEAVING THE JOBSITE EACH DAY.
3. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO EXISTING STRUCTURES, PAVEMENTS, AND UTILITIES.
4. CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS TO THE SITE DURING CONSTRUCTION. NECESSARY ACCESS TO INCLUDE ACCESS TO CONCESSIONS BUILDING, RESTROOMS, KAYAK RENTAL KIOSK, AND DOCK.
5. THE CONTRACTOR SHALL MAINTAIN THE SITE IN AN ORDERLY AND CLEAN FASHION.
6. PROTECT EXISTING TREES DURING DEMOLITION AND EXCAVATION ACTIVITIES. DO NOT STORE MATERIALS, DRIVE WITHIN, OR EXCAVATE WITHIN DRIPLINE. HAND DIG ONLY WHEN NECESSARY.
7. PROTECT EXISTING PARK IMPROVEMENTS DURING ALL DEMOLITION AND CONSTRUCTION ACTIVITIES. LAY PLYWOOD OVER EXISTING PAVEMENTS WHERE VEHICLES WILL DRIVE OVER THEM TO PREVENT SURFACE MARRING.
8. ALL WASTE MATERIALS GENERATED FROM CONSTRUCTION BECOME THE PROPERTY OF THE CONTRACTOR. THE CONTRACTOR SHALL REMOVE THE WASTE MATERIALS FROM THE SITE AND DISPOSE OF IN A LEGAL MANNER.
9. ALL PAVEMENTS TO BE REMOVED SHALL BE SAW CUT IN A NEAT AND PROFESSIONAL MANNER TO FACILITATE DEMOLITION. SAW CUT SIDEWALKS TO NEAREST JOINT.

LEGEND

- ✕ REMOVE EXISTING PEAR TREES
- ⊗ REMOVE EXISTING LIGHT POST
- ▨ REMOVAL OF EXISTING CONCRETE



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BRENT D. THOMAS
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 OJ WATSON PARK
 CONCESSIONS BUILDING
 LANDSCAPE IMPROVEMENTS

SITE DEMOLITION PLAN

JOB NO.: 2500484
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DRAWING NUMBER
C-010

SHEET NUMBER

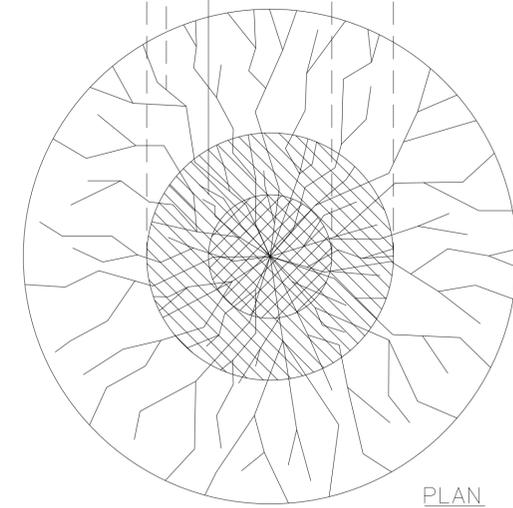
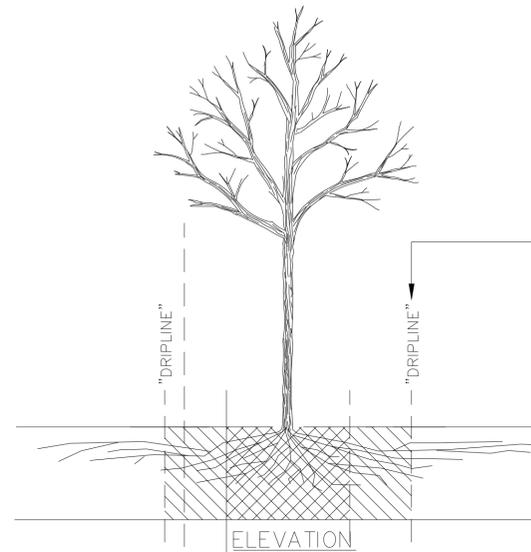
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 Last plotted by: Stegman, Calle E. Plot Style: AECmonochrome.ctb Plot Scale: 1:2,5849 Plot Date: 7/16/2025 9:52 AM Plotter Used: None



A TREE PROTECTION PLAN
 SCALE: 1" = 20'

LEGEND

- PROJECT LIMITS
- OHE — OVERHEAD ELECTRIC
- T — UNDERGROUND TELEPHONE
- - - PROTECTION FENCING AROUND TREE DRIPLINES
- EXISTING TREES



FENCING/ROOT PROTECTION
 ORANGE CONSTRUCTION FENCING TO BE PROVIDED AND MAINTAINED AT DRIPLINE. FENCE TO BE INSTALLED BETWEEN TREE AND PROJECT AREA. IT IS NOT NECESSARY TO SURROUND TREE(S) ENTIRELY IF CONSTRUCTION ACTIVITY WILL ONLY BE ON ONE SIDE OF TREE(S).

ENGINEER OR LANDSCAPE ARCHITECT'S APPROVAL REQUIRED FOR USE/ACCESS WITHIN ZONE B. PERMISSION FOR USE/ACCESS REQUIRES SURFACE PROTECTION FOR ALL UNFENCED, UNPAVED SURFACES WITHIN ZONE B

*** SURFACE PROTECTION MEASURES**

1. MULCH LAYER, 6"-8"DEPTH
2. 3/4"PLYWOOD
3. STEEL PLATES
4. ACKFLOW DEVICE, OR MASTER VALVE. PROTECT DURING CONSTRUCTION.

TRENCHING/EXCAVATION

ZONE A (CRITICAL ROOT ZONE)

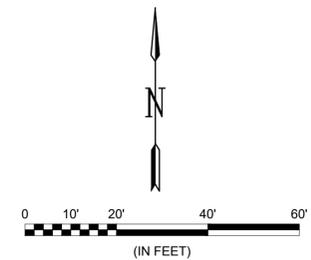
1. NO DISTURBANCE ALLOWED WITHOUT SITE-SPECIFIC INSPECTION AND APPROVAL OF METHODS TO MINIMIZE ROOT DAMAGE
2. SEVERANCE OF ROOTS LARGER THAN 2" DIA REQUIRES ENGINEER'S APPROVAL
3. TUNNELING REQUIRED TO INSTALL LINES 3'-0"BELOW GRADE OR DEEPER

ZONE B (DRIPLINE)

1. OPERATION OF HEAVY EQUIPMENT AND/OR STOCKPILING OF MATERIALS SUBJECT TO ENGINEERS APPROVAL. SURFACE PROTECTION* MEASURES REQUIRED
2. TRENCHING ALLOWED AS FOLLOWS:
 - 2.1. EXCAVATION BY HAND OR WITH HAND-DRIVEN TRENCHER MAY BE REQUIRED
 - 2.2. LIMIT TRENCH WIDTH. DO NOT DISTURB ZONE A MAINTAIN 2/3 OR MORE OF ZONE B IN UNDISTURBED CONDITION
3. TUNNELING MAY BE REQUIRED FOR TRENCHES DEEPER THAN 3'-0"

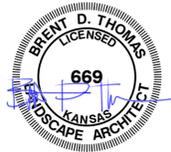
ZONE C (FEEDER ROOT ZONE)

1. OPERATION OF HEAVY EQUIPMENT AND/OR STOCKPILING OF MATERIALS SUBJECT TO ENGINEERS APPROVAL.
2. SURFACE PROTECTION* MEASURES MAY BE REQUIRED TRENCHING WITH HEAVY EQUIPMENT ALLOWED AS FOLLOWS:
 - 2.1. MINIMIZE TRENCH WIDTH
 - 2.2. MAINTAIN 2/3 OR MORE OF ZONE C IN UNDISTURBED CONDITION



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REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
 DEPT. OF PARK & RECREATION
 WICHITA, KANSAS
 Eng #: 482-11091
 OJ WATSON PARK
 CONCESSIONS BUILDING
 LANDSCAPE IMPROVEMENTS

TREE PRESERVATION PLAN

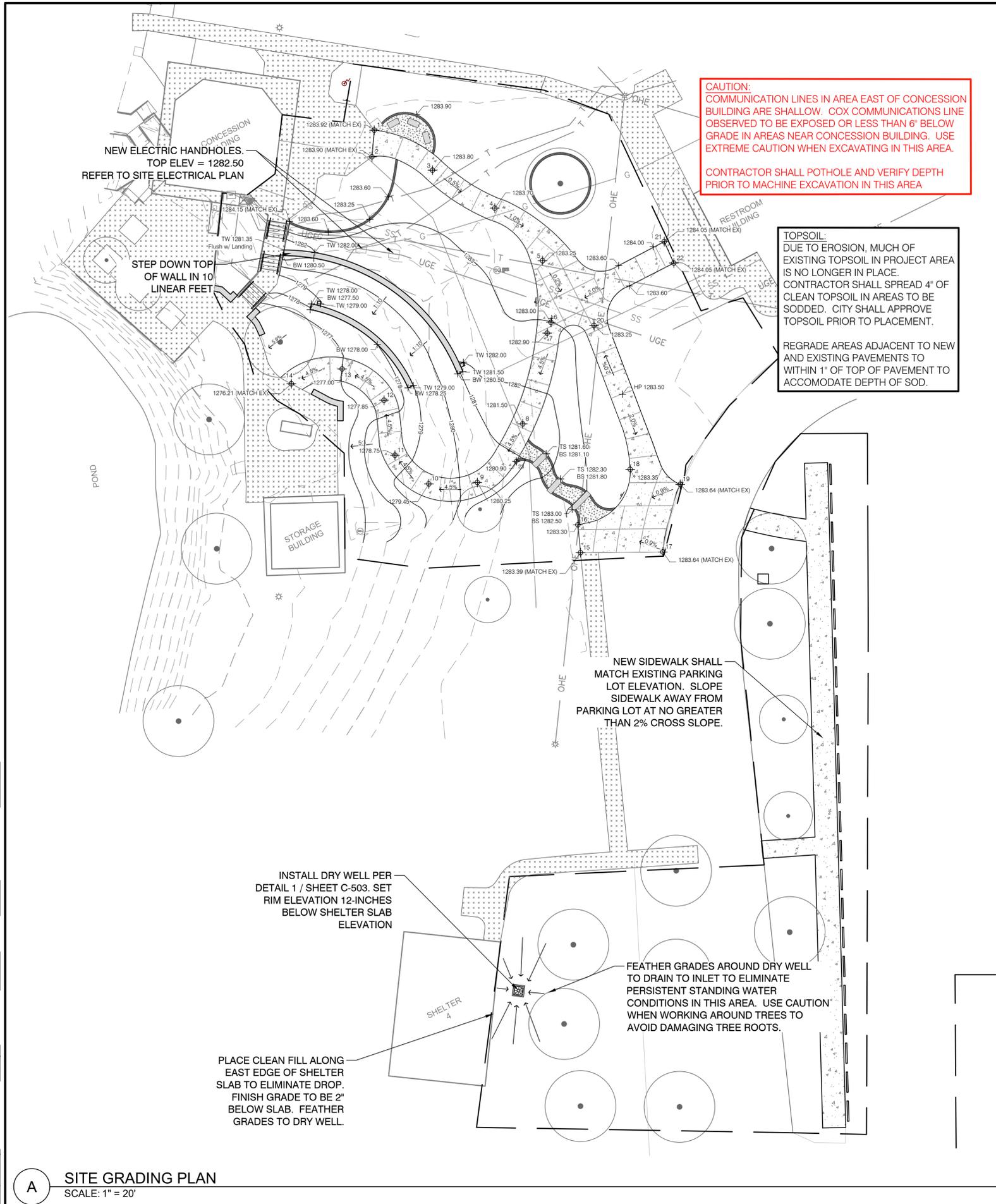
JOB NO.: 2500484
 DATE: AUG 2025
 DESIGNED BY: BDT
 DRAWN BY: CES

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DRAWING NUMBER
C-011

SHEET NUMBER

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 Last plotted by: Thomas, Brent D. Plot Style: AECmonochrome.ctb Plot Date: 7/21/2025 1:55 PM Plotter used: None



NORTHING/EASTING POINT SCHEDULE

POINT	DESCRIPTION	NORTHING	EASTING
1	MATCH EX CONCRETE	N 1669872.5352	E 1648614.1176
2	MATCH EX CONCRETE	N 1669863.3147	E 1648613.3376
3	SPOT ELEVATION 1283.80	N 1669858.6695	E 1648634.2869
4	SPOT ELEVATION 1283.70	N 1669845.5826	E 1648655.8160
5	SPOT ELEVATION 1283.25	N 1669827.4438	E 1648672.3672
6	SPOT ELEVATION 1283.52	N 1669806.1554	E 1648675.2782
7	SPOT ELEVATION 1282.90	N 1669802.4344	E 1648673.9953
8	SPOT ELEVATION 1281.50	N 1669771.0825	E 1648665.5172
9	SPOT ELEVATION 1280.25	N 1669750.8427	E 1648649.7989
10	SPOT ELEVATION 1279.45	N 1669750.3665	E 1648633.0192
11	SPOT ELEVATION 1278.75	N 1669760.2531	E 1648621.2755
12	SPOT ELEVATION 1277.85	N 1669779.2651	E 1648617.4966
13	SPOT ELEVATION 1277.00	N 1669790.0480	E 1648602.9880
14	MATCH EX CONCRETE	N 1669784.9480	E 1648585.4090
15	MATCH EX CONCRETE	N 1669726.6115	E 1648685.5095
16	SPOT ELEVATION 1283.30	N 1669736.2170	E 1648684.6081
17	MATCH EX ASPHALT	N 1669726.8675	E 1648714.0129
18	SPOT ELEVATION 1283.35	N 1669755.3767	E 1648702.7352
19	MATCH EX ASPHALT	N 1669750.1817	E 1648720.0309
20	SPOT ELEVATION 1283.25	N 1669805.0482	E 1648690.2306
21	MATCH EX CONCRETE	N 1669834.0132	E 1648714.4829
22	MATCH EX CONCRETE	N 1669826.6082	E 1648717.8296
23	SPOT ELEVATION 1280.90	N 1669758.1442	E 1648663.2689

GENERAL GRADING NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR ADEQUATE EROSION CONTROL MEASURES. THESE MEASURES WILL SATISFY THE REQUIREMENTS ADEQ OF AND CAVHS. EROSION CONTROL DEVICES WILL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
2. REFER TO LANDSCAPE PLAN FOR PERMANENT STABILIZATION. COMPLY WITH THE STANDARDS SET FORTH IN THE THE STANDARD SPECIFICATIONS. SEE LANDSCAPE PLANS/SPECS FOR GROUND COVER REQUIREMENTS.
3. CONTRACTOR SHALL MAINTAIN BENCHMARKS ON SITE UNTIL THE END OF CONSTRUCTION.
4. IT IS INCUMBENT UPON THE CONTRACTOR TO FIELD VERIFY THE EXISTING CONDITIONS PRIOR TO BEGINNING CONSTRUCTION. A TOPOGRAPHIC SURVEY INCLUDING UTILITY ROUTES AND TIE-INS, PAVEMENTS, STRUCTURES, AND GRADES SHALL BE CONDUCTED BY THE CONTRACTOR. SHOULD SIGNIFICANT DISCREPANCIES BE FOUND, IMMEDIATELY NOTIFY THE CONTRACTING OFFICER AND ENGINEER OF RECORD.
5. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL GRADING RELATED PERMITS PRIOR TO BEGINNING EARTHWORK.
6. UTILITIES SHALL MAINTAIN A 10 FOOT SEPARATION FROM BUILDING FOUNDATIONS.

DRY WELL INFORMATION

1. REFER TO DETAIL 1, SHEET C-503 FOR DRY WELL INSTALLATION DETAIL.

LEGEND

× 1283.65	SPOT ELEVATION
— 511 —	PROPOSED CONTOUR
- - - - -	EXISTING CONTOUR
TW	TOP OF WALL
BW	BOTTOM OF WALL
— — — — —	LIMITS OF CONSTRUCTION
	PROPOSED GRASS - SOD OR SEED (15,228 S.F.) REFER TO SHEET L-201 FOR NOTES AND PLANT SCHEDULE
	PROPOSED 4" CONCRETE PAVEMENT SURFACE (5,809 S.F.) REFER TO DETAIL 1/ SHEET C-501
	PROPOSED REINFORCED GRAVEL PAVER SURFACE (303 S.F.) REFER TO DETAIL 3/ SHEET C-502
	PROPOSED SHREDDED WOOD MULCH (1,295 S.F.) REFER TO DETAIL 1/ SHEET L-501

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SITE GRADING PLAN

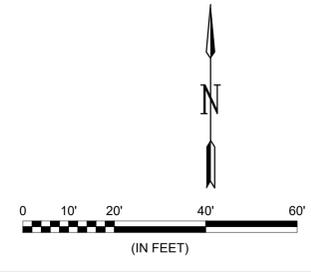
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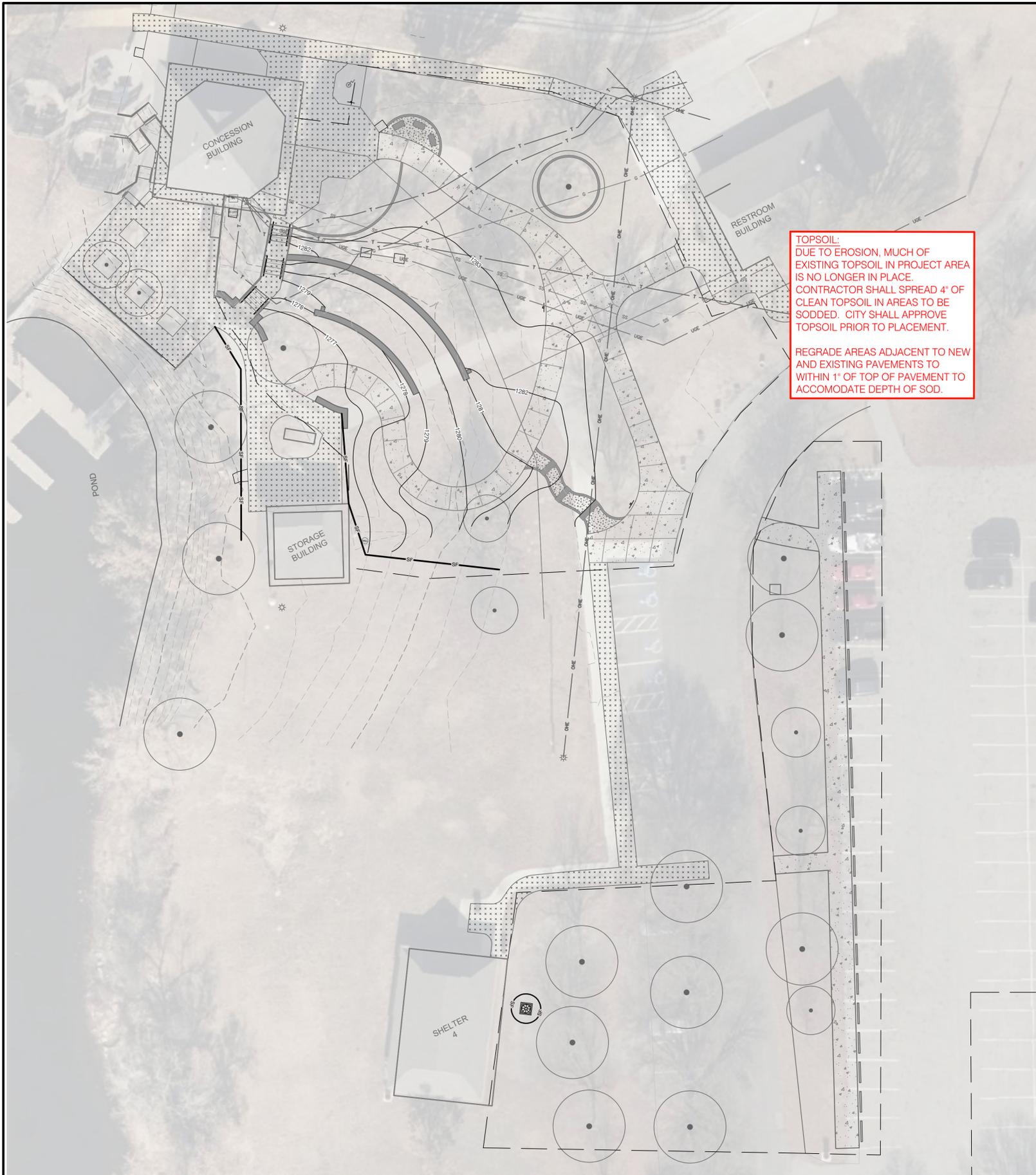
DRAWING NUMBER
C-201

SHEET NUMBER

A SITE GRADING PLAN
 SCALE: 1" = 20'



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TOPSOIL:
 DUE TO EROSION, MUCH OF EXISTING TOPSOIL IN PROJECT AREA IS NO LONGER IN PLACE. CONTRACTOR SHALL SPREAD 4" OF CLEAN TOPSOIL IN AREAS TO BE SODDED. CITY SHALL APPROVE TOPSOIL PRIOR TO PLACEMENT.

REGRADE AREAS ADJACENT TO NEW AND EXISTING PAVEMENTS TO WITHIN 1" OF TOP OF PAVEMENT TO ACCOMMODATE DEPTH OF SOD.

LEGEND

- PROJECT LIMITS
- PROVIDE SILT FENCE SEE SHEET C-504 FOR DETAIL
- PROVIDE VEHICLE TRACKING PAD. SEE SHEET C-503 FOR DETAIL.
- PROVIDE INLET PROTECTION SEE SHEET C-504 FOR DETAIL

GENERAL EROSION NOTES

1. THE STORMWATER POLLUTION PREVENTION PLAN IS COMPRISED OF THIS DRAWING ("SITE MAP"), THE STANDARD DETAILS, THE PLAN NARRATIVE, ATTACHMENTS INCLUDED IN SPECIFICATIONS SECTION 02370 ("SWPPP"), PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
2. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF KANSAS NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
3. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP, ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST OF OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
4. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
5. SITE MAP MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
6. CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
7. GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.
8. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC. SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
9. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
10. DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION AND OPERATIONS IS PROHIBITED.
11. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
12. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.
13. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS STOPPED FOR AT LEAST 21 DAYS, SHALL BE TEMPORARILY SEEDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS.
14. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY SEEDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR LANDSCAPE PLAN.
15. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN STREETS MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.
16. CONTRACTOR SHALL REMOVE ALL TEMPORARY BMPs (SILT FENCE, INLET, PROTECTION, ETC) UPON PROJECT COMPLETION.

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 (316) 264-8008

BRENT D. THOMAS
 LICENSED PROFESSIONAL ENGINEER
 669
 KANSAS
 LANDSCAPE ARCHITECT

Digitally Signed 08/04/2025

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 DEPT. OF PARK & RECREATION
 WICHITA, KANSAS
 Eng #: 482-11091
 OJ WATSON PARK
 CONCESSIONS BUILDING
 LANDSCAPE IMPROVEMENTS

SITE EROSION CONTROL PLAN

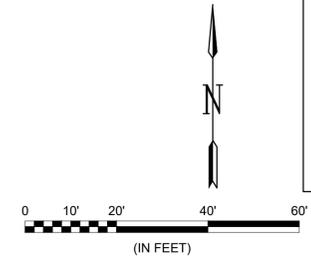
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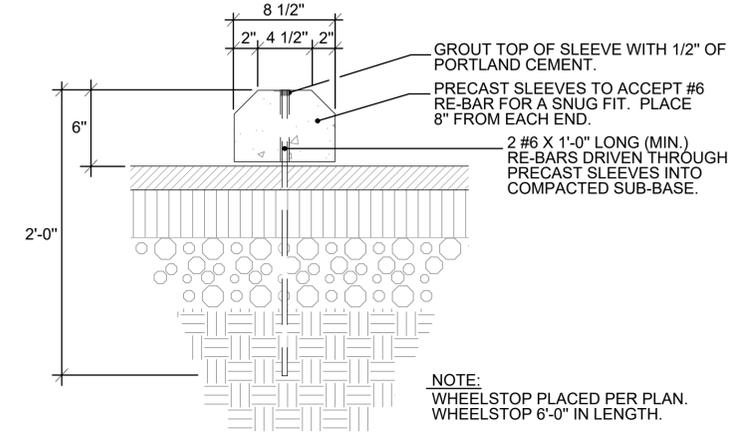
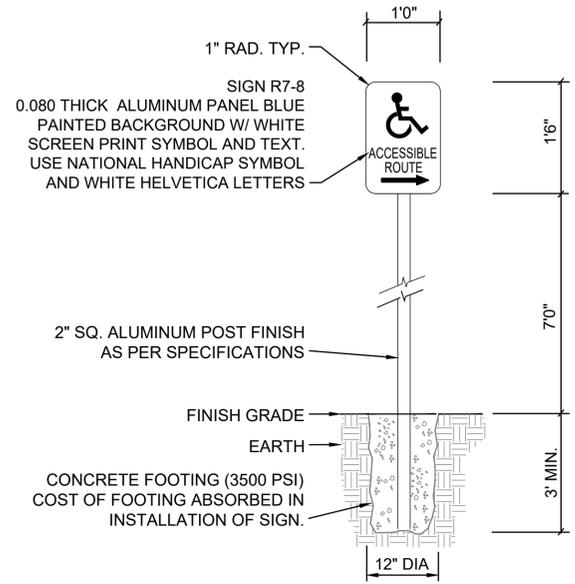
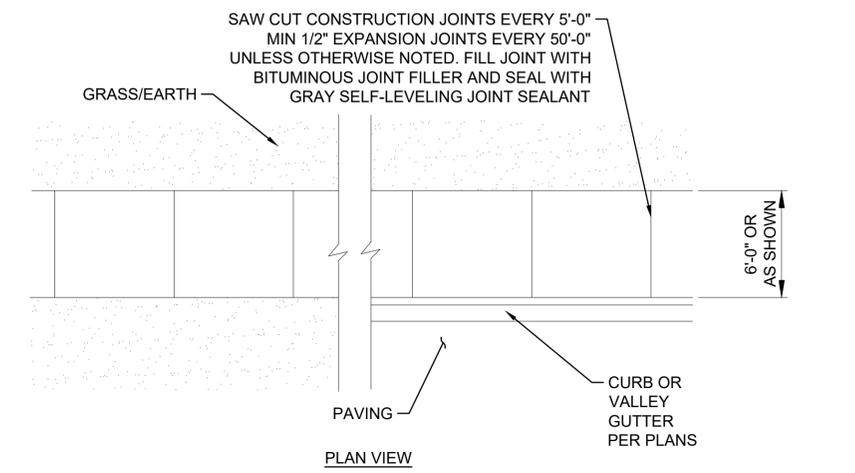
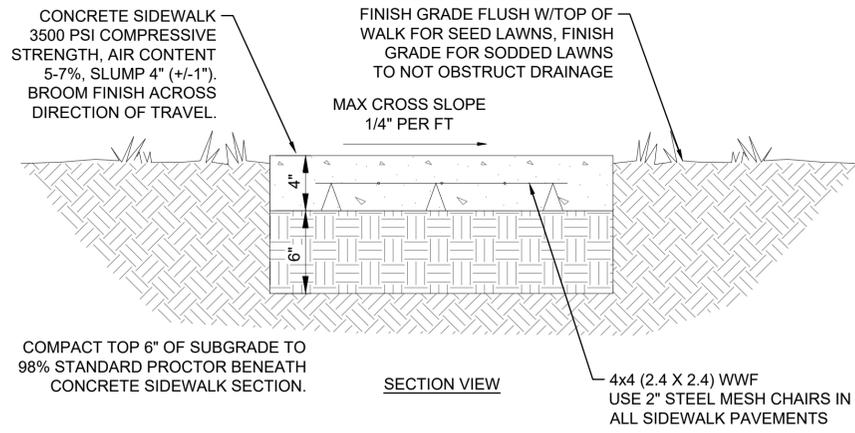
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C-301

SHEET NUMBER

A EROSION CONTROL PLAN
 SCALE: 1" = 20'

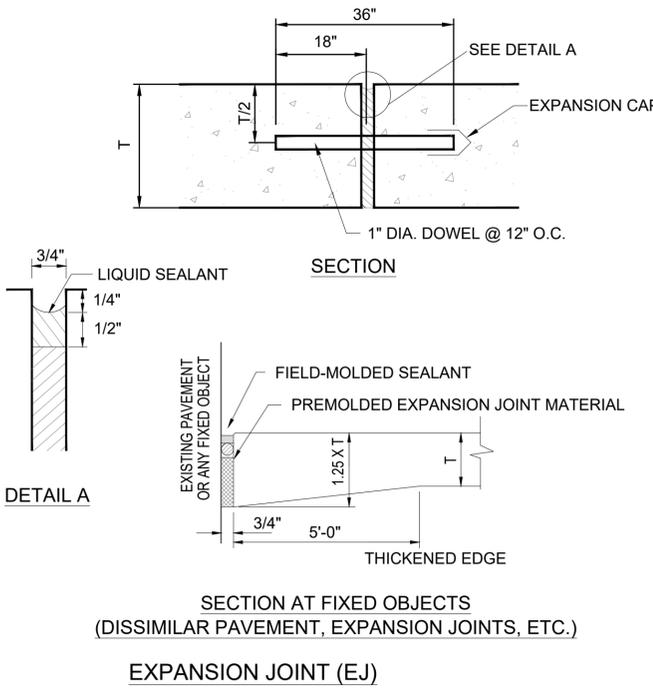




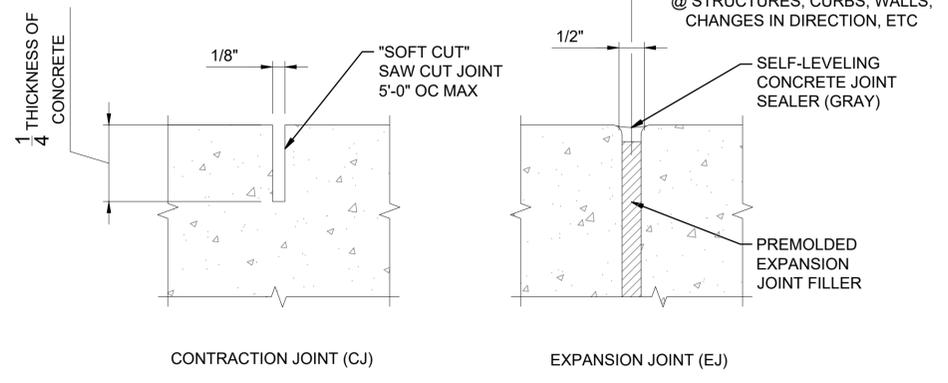
1 CONCRETE SIDEWALK DETAIL (TYPICAL OR TINTED)
SCALE: NONE

4 ACCESSIBLE ROUTE SIGN
SCALE: NONE

5 CONCRETE WHEEL STOP
SCALE: NONE



2 TYPICAL JOINT DETAIL FOR CONCRETE PAVEMENTS
SCALE: NONE



3 CONCRETE JOINT DETAIL FOR SIDEWALKS
SCALE: NONE

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OJ WATSON PARK
CONCESSIONS BUILDING
LANDSCAPE IMPROVEMENTS

SITE CIVIL DETAILS 01

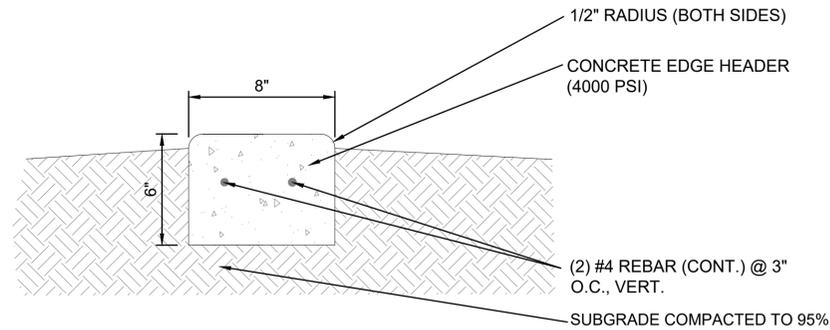
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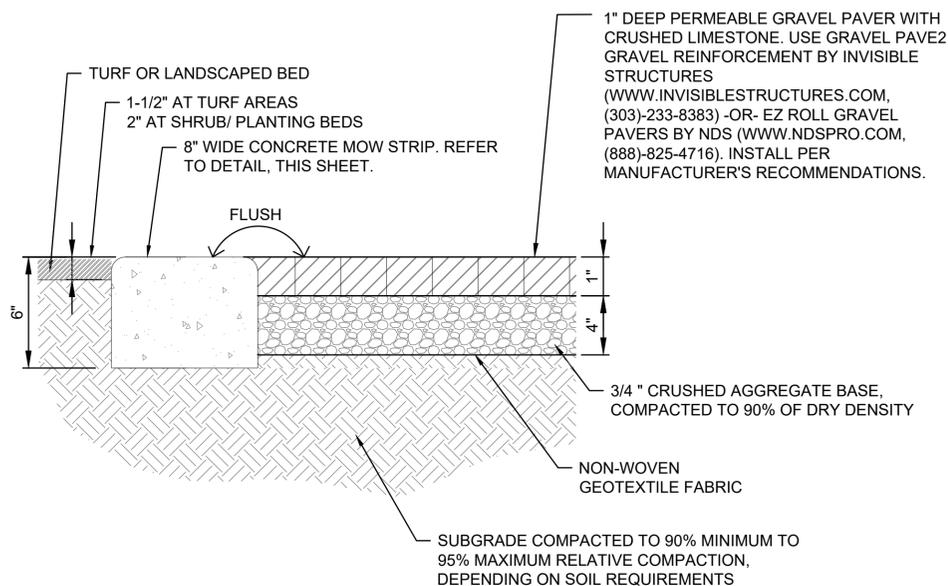
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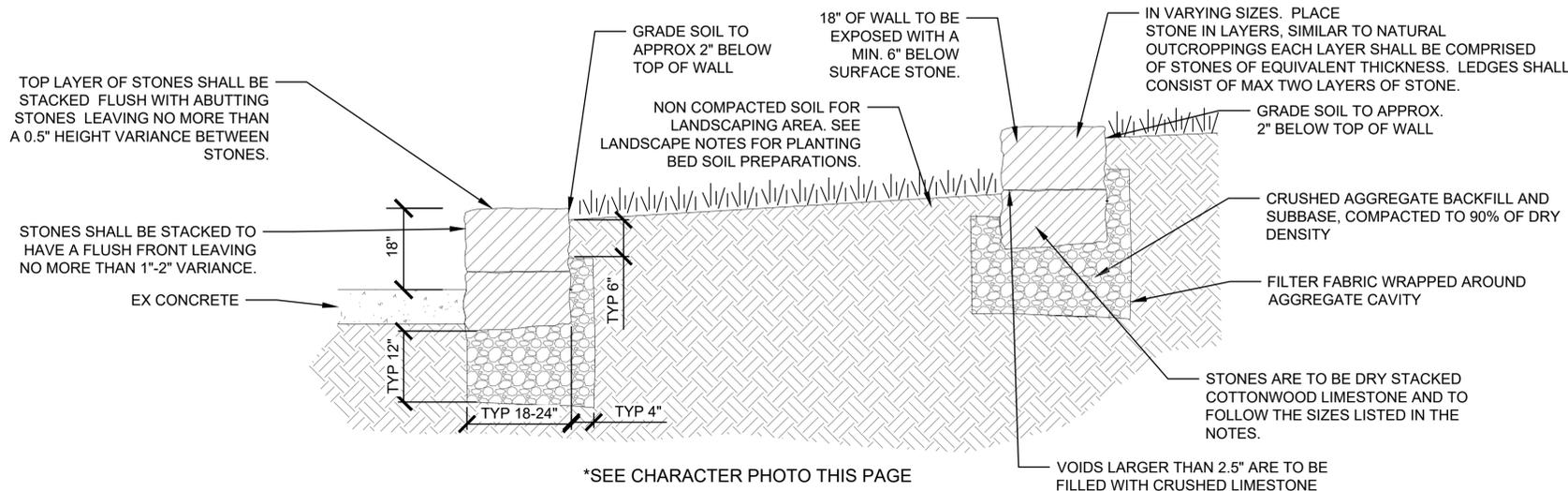
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Last plotted by: Stegman, Calle E. Plot Style: AECmonochrome.ctb Plot Scale: 1:2,5849 Plot Date: 7/16/2025 9:52 AM Plotter used: None



1 8" CONCRETE MOW STRIP
SCALE: NONE

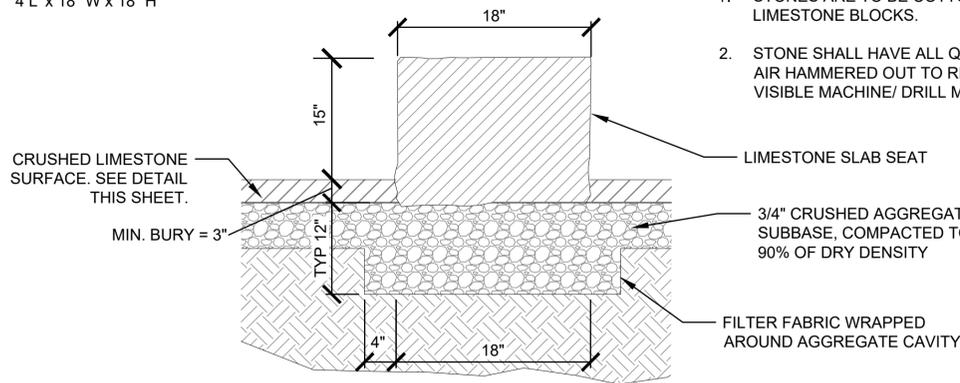


3 REINFORCED GRAVEL PAVER SURFACE
SCALE: NONE



4 TERRACED LIMESTONE WALLS
SCALE: NONE

TYP. LIMESTONE BLOCK DIMENSIONS:
4 L' x 18" W x 18" H



2 LIMESTONE SLAB BENCH INSTALLATION
SCALE: NONE

NOTES:

1. STONES ARE TO BE COTTONWOOD LIMESTONE BLOCKS.
2. STONE SHALL HAVE ALL QUARRY MARKS AIR HAMMERED OUT TO REMOVE ANY VISIBLE MACHINE/ DRILL MARKINGS.

LIMESTONE SLAB BENCH
USE LOCALLY AVAILABLE SLABS FROM:

- US STONE INDUSTRIES, 785-565-3890
- FLINT HILLS STONE, 785-313-4845
- MCCOY ROCK QUARRY, 785-844-1820
- OR APPROVED EQUAL

CONTRACTOR SHALL SUBMIT TO OWNER FOR APPROVAL PRIOR TO ORDERING OR PROPOSING TO USE ANY MATERIAL NOT ON THIS LIST.

SUBMITTAL TO OWNER SHALL INCLUDE PHOTOS OF CHOSEN MATERIAL WITH SCALE FIGURES AND/OR OTHER MEANS OF ENSURING STONE MEETS SIZING REQUIREMENTS

NOTES:

1. CRUSHED LIMESTONE SHALL BE FLUSH WITH ADJACENT WALKING/ ACCESSIBLE SURFACE.
 2. CRUSHED LIMESTONE SHALL MEET THE FOLLOWING SIEVE ANALYSIS.
- | | |
|------|-----------------|
| 3/8" | 100% PASSING |
| #4 | 90-100% PASSING |
| #8 | 75-80% PASSING |
| #16 | 55-65% PASSING |
| #30 | 40-50% PASSING |
| #50 | 25-35% PASSING |
| #100 | 15-20% PASSING |
| #200 | 10-15% PASSING |
3. CRUSHED AGGREGATE SUBGRADE SHALL BE FREE FROM CLAY LUMPS, VEGETATIVE MATTER, AND DELETERIOUS MATERIAL, INCLUDING NOXIOUS WEED SEEDS.
 4. BINDER SHALL BE USED IN ALL CRUSHED LIMESTONE APPLICATIONS AND SHALL BE PRE-MIXED OFFSITE BY THE SUPPLIER.
 5. BINDER SHALL BE A PATENTED, NON-TOXIC ORGANIC BINDER THAT IS COLORLESS AND ODORLESS CONCENTRATED POWDER THAT BINDS CRUSHED GRAVEL PAVING TO PRODUCE A FIRM SURFACE.
 6. REFER TO DETAIL 1 ON SHEET C-502 FOR EDGE MATERIAL AT GRAVEL SURFACE.

CRUSHED STONE:

USE LOCALLY AVAILABLE SCREENINGS FROM:

- CENTRAL SAND (BANKS SCREENINGS) 316-721-3230
- CORNEJO MATERIALS (GRAY SCREENINGS) 316-943-3500
- NORTHRIDGE SAND (SCREENINGS) 316-721-3862
- OR APPROVED EQUAL

CONTRACTOR SHALL SUBMIT A 1 PINT SAMPLE TO THE OWNER FOR APPROVAL PRIOR TO ORDERING OR PROPOSING TO USE ANY MATERIAL NOT ON THIS LIST.

SUBMITTAL TO OWNER SHALL INCLUDE ONE (1) PINT SAMPLE OF THE SELECTED MATERIAL FOR APPROVAL.

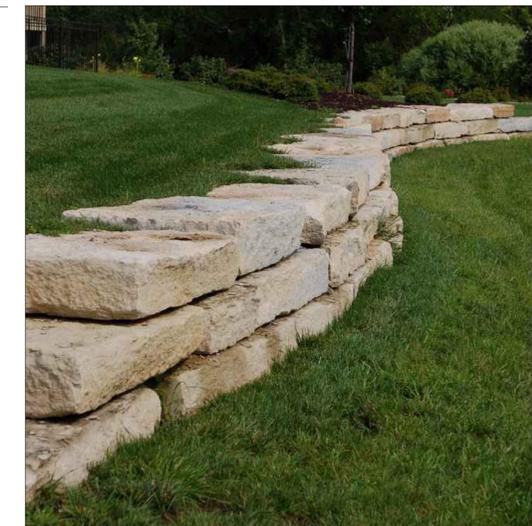


PHOTO IS INDICATIVE OF THE DESIGN INTENT OF THE STONE WALL. WALL SHALL BE CONSTRUCTED FROM LARGE LIMESTONE SLABS. WATSON PARK WALL WILL BE MAX. 18" TALL AND WILL LIKELY HAVE ONLY 2 STONE COURSES INSTEAD OF THE 3 COURSES SHOWN. TOP COURSE SHALL BE LARGE ENOUGH THAT IT WILL NOT BE EASILY DISPLACED BY VISITORS WALKING ON TOP COURSE. FILL ANY VOIDS OF 2.5" OR LARGER WITH CRUSHED LIMESTONE.

5 STONE WALL CHARACTER PHOTO
SCALE: NONE

NOTES:

1. STONES ARE TO BE DRY STACKED COTTONWOOD LIMESTONE.
STONE SIZES: MIN. 18" IN HORIZONTAL DIMENSION
24-48" DEEP
9" THICK
MAX: 60" IN HORIZONTAL DIMENSION
2. STONE SHALL HAVE ALL QUARRY MARKS AIR HAMMERED OUT TO REMOVE ANY VISIBLE MACHINE/ DRILL MARKINGS.
3. VOIDS LARGER THAN 2.5" ARE TO BE FILLED WITH CRUSHED LIMESTONE
4. CRUSHED AGGREGATE SHALL MEET AASTHO M147-65, DESCRIBED AS FOLLOWS:

SIEVE SIZE (IN.)	% PASSING
2	100
1-1/2	70-100
1	45-80
1/2	30-60
NO. 4	20-50
NO. 10	15-40
NO. 40	5-25
NO. 200	0-8

WALL STONE
USE LOCALLY AVAILABLE STONE FROM:

- US STONE INDUSTRIES, 785-565-3890
- FLINT HILLS STONE, 785-313-4845
- MCCOY ROCK QUARRY, 785-844-1820
- OR APPROVED EQUAL

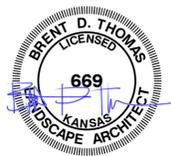
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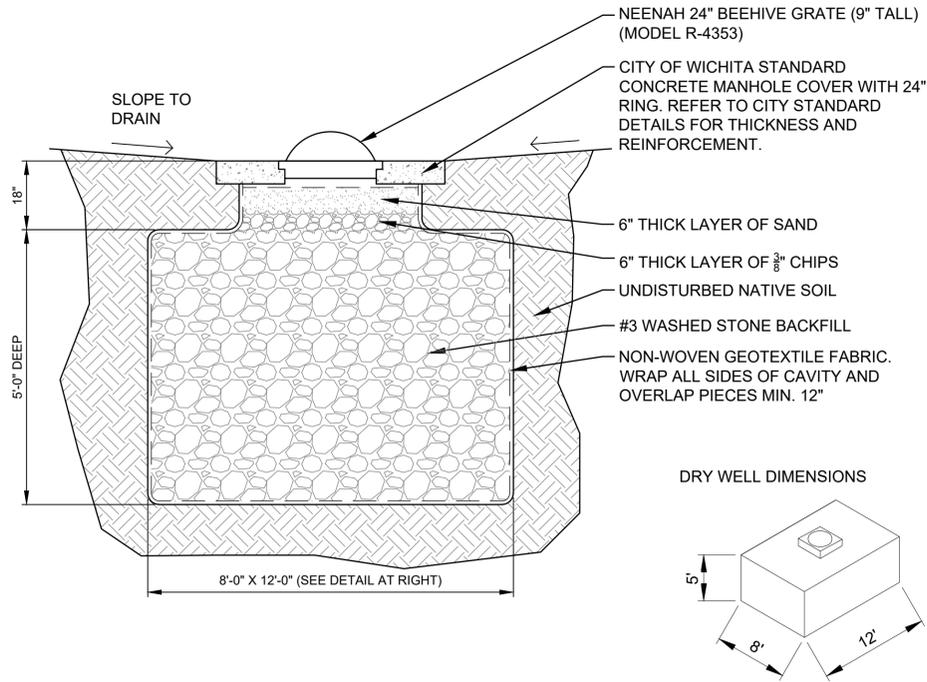
SITE CIVIL DETAILS 02

JOB NO.: 2500484
DATE: AUG 2025
DESIGNED BY: BDT
DRAWN BY: CES

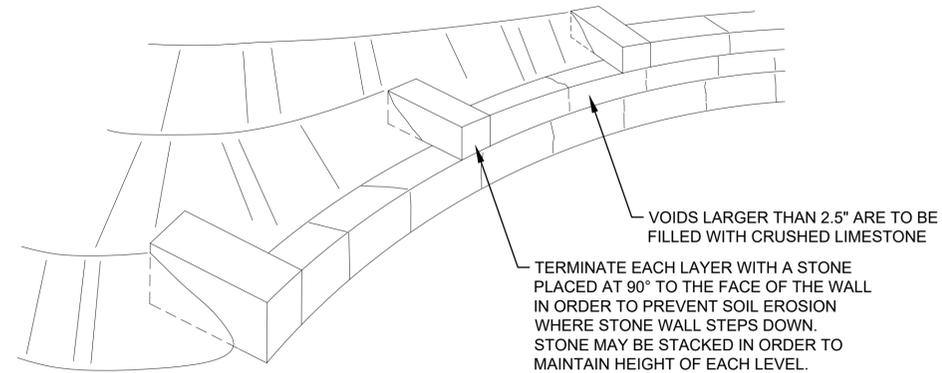
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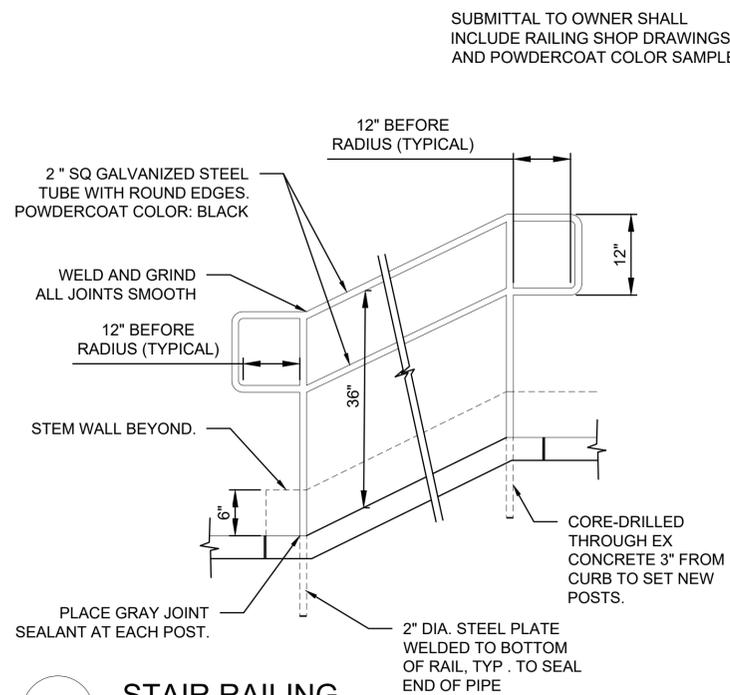
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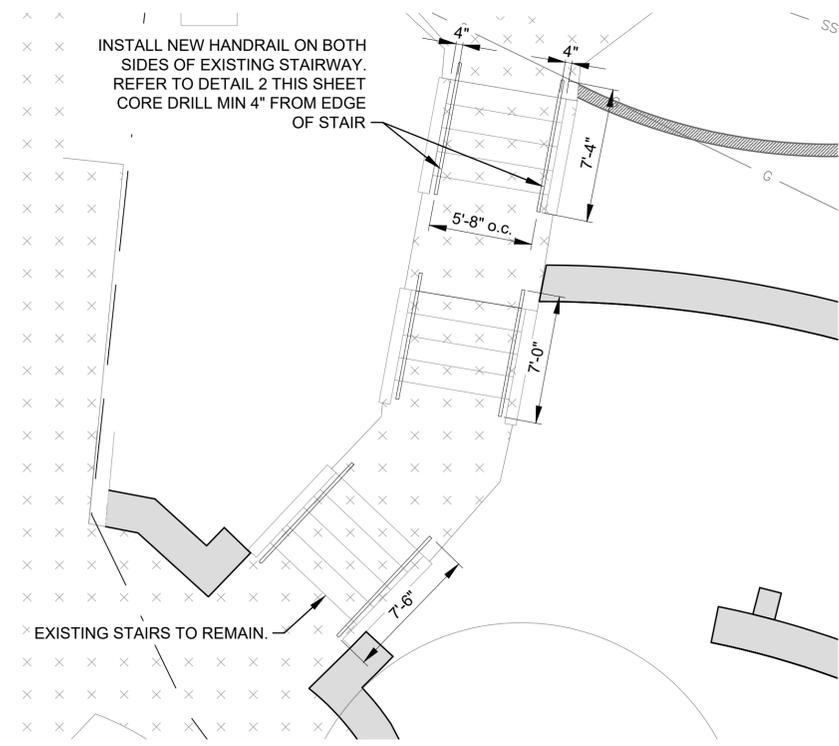
1 STONE DRY WELL WITH DOMED GRATE TOP
SCALE: NONE



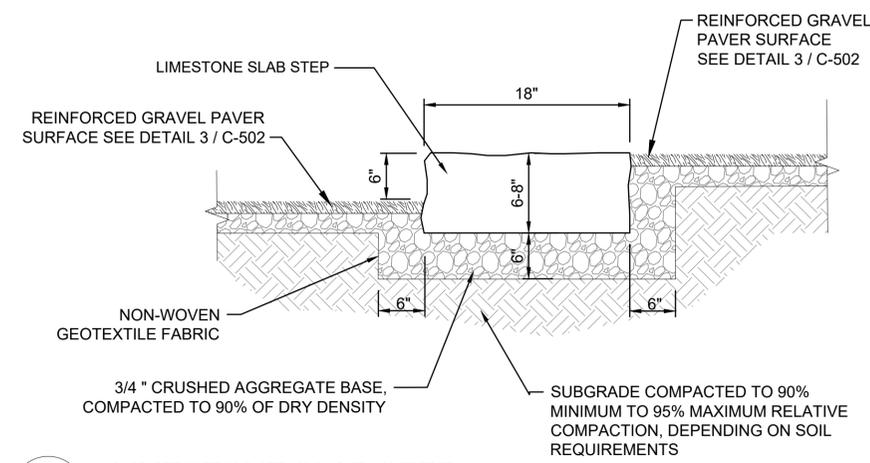
2 LIMESTONE WALL - LAYER TERMINATION
SCALE: NONE



3 STAIR RAILING
SCALE: NONE



4 RAILING LAYOUT PLAN
SCALE: 1" = 5'



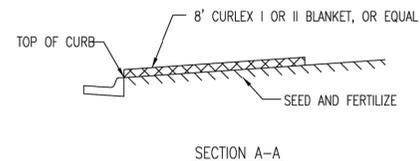
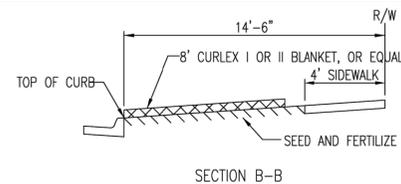
5 LIMESTONE SLAB STEP
SCALE: NONE

REV.	DATE	DESCRIPTION	BY

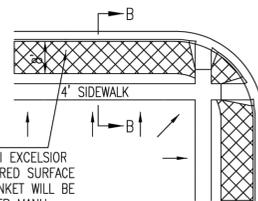
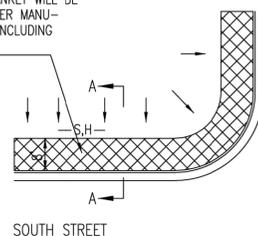


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1995 Midfield Road
Wichita, KS 67209
(316) 264-8008



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)

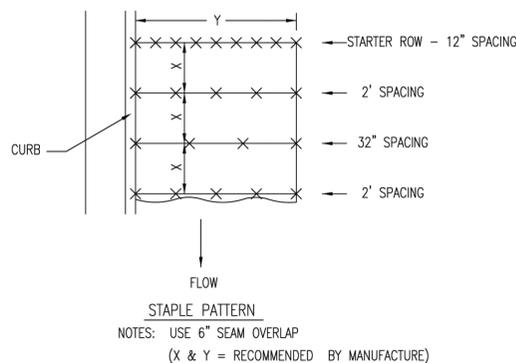


INSTALL 8' WIDE CURLEX I OR II EXCELSIOR BLANKET, OR EQUAL, ON PREPARED SURFACE BACK OF CURB. EDGE OF BLANKET WILL BE AT BACK OF CURB. INSTALL PER MANUFACTURERS RECOMMENDATION, INCLUDING STAPLES. (SEE DETAIL)

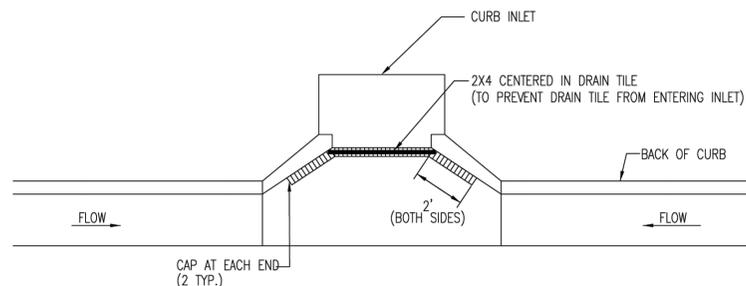
GENERAL NOTES

- 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

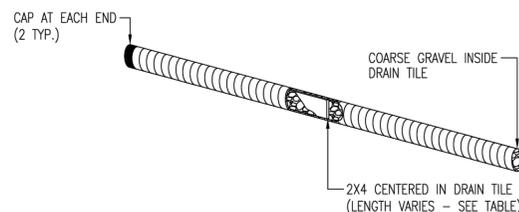


DETAILS FOR APPROVED EROSION CONTROL MAT

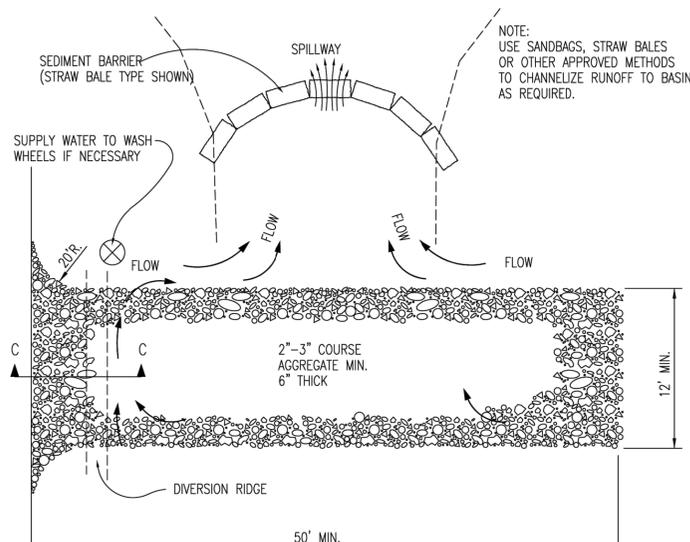
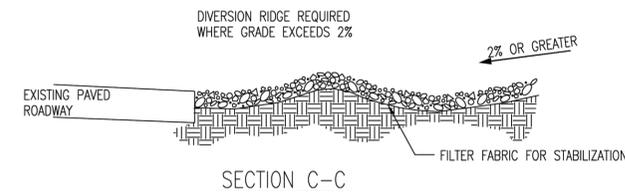


NOTE:
PLACE 4" PERFORATED PVC PIPE, FILLED WITH 1/2"-1" DIA. GRAVEL, IN FRONT OF CURB INLET AS SHOWN.

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

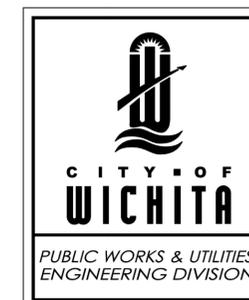
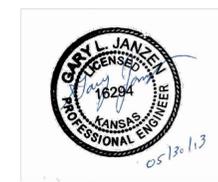


STABILIZED CONSTRUCTION ENTRANCE

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.

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 CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		SHEET

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
DEPT. OF PARK & RECREATION
WICHITA, KANSAS
Eng #: 482-11091
OJ WATSON PARK
CONCESSIONS BUILDING
LANDSCAPE IMPROVEMENTS

C.O.W. EROSION
CONTROL DETAILS 01

JOB NO.: 2500484
DATE: AUG 2025
DESIGNED BY: BDT
DRAWN BY: CES

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SHEET
NUMBER



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REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
DEPT. OF PARK & RECREATION
WICHITA, KANSAS
Eng #: 482-11091
OJ WATSON PARK
CONCESSIONS BUILDING
LANDSCAPE IMPROVEMENTS

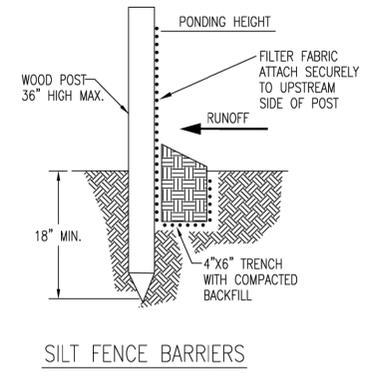
C.O.W. EROSION CONTROL DETAILS 02

JOB NO.: 2500484
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DRAWING NUMBER
C-505

SHEET NUMBER



MATERIAL SPECIFICATION:

SILT FENCE FABRIC SHOULD CONFORM TO THE AASHTO M288 96 SILT FENCE SPECIFICATION. THE POSTS USED TO SUPPORT THE SILT FENCE FABRIC SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4" LONG. SILT FENCE FABRIC SHOULD BE ATTACHED TO THE WOODEN POSTS WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

PLACEMENT:

A SLOPE BARRIER SHOULD BE USED AT THE TOE OF A SLOPE WHEN A DITCH DOES NOT EXIST. THE SLOPE BARRIER SHOULD BE PLACED ON NEARLY LEVEL GROUND 5' TO 10' AWAY FROM THE TOE OF A SLOPE. THE BARRIER IS PLACED AWAY FROM THE TOE OF THE SLOPE TO PROVIDE ADEQUATE STORAGE FOR SETTLING OUT SEDIMENT. WHEN PRACTICABLE, SILT FENCE SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW. SILT FENCE SLOPE BARRIERS CAN ALSO BE PLACED ALONG RIGHT-OF-WAY FENCE LINES TO KEEP SEDIMENT FROM CROSSING ONTO ADJACENT PROPERTY. WHEN PLACED IN THIS MANNER, THE SLOPE BARRIER WILL NOT LIKELY FOLLOW CONTOURS.

PROPER INSTALLATION METHOD:

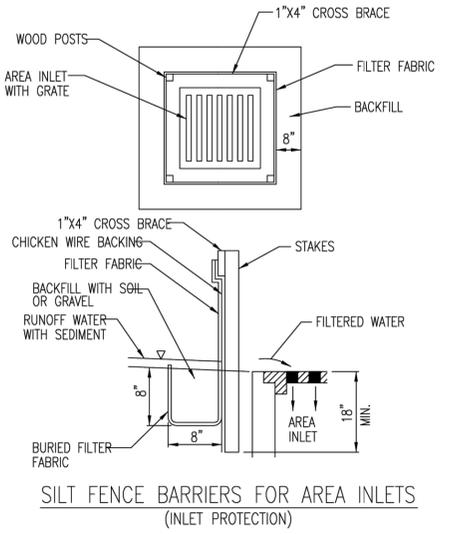
EXCAVATE A TRENCH THE LENGTH OF THE PLANNED SLOPE BARRIER THAT IS 6" DEEP BY 4" WIDE. MAKE SURE THAT THE TRENCH IS EXCAVATED ALONG A SINGLE CONTOUR. WHEN PRACTICABLE, SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW. PLACE THE SOIL ON THE UPSLOPE SIDE OF THE TRENCH FOR LATER USE. ROLL OUT A CONTINUOUS LENGTH OF SILT FENCE FABRIC ON THE DOWNSLOPE SIDE OF THE TRENCH. PLACE THE EDGE OF THE FABRIC IN THE TRENCH STARTING AT THE TOP UPSLOPE EDGE. LINE ALL THREE 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 SHOULD REMAIN EXPOSED. LAY THE EXPOSED SILT FENCE UPSLOPE OF THE TRENCH TO CLEAR AN AREA FOR DRIVING IN THE POSTS. JUST DOWNSLOPE OF THE TRENCH, DRIVE POSTS INTO THE GROUND TO A DEPTH OF AT LEAST 18". PLACE POSTS NO MORE THAN 4' APART. ATTACH THE SILT FENCE TO THE ANCHORED POST WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

WHEN PRACTICABLE, DO NOT PLACE SILT FENCE SLOPE BARRIERS ACROSS CONTOURS. SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW. WHEN THE FLOW CONCENTRATES, IT OVERTOPS THE BARRIER AND THE SILT FENCE SLOPE BARRIER QUICKLY DETERIORATES. 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.). THE SILT FENCE WILL RIP AND FAIL. DO NOT PLACE SILT FENCE SLOPE BARRIERS IN AREAS WITH SHALLOW SOILS UNDERLAIN BY ROCK. IF THE BARRIER IS NOT SUFFICIENTLY ANCHORED, IT WILL WASH OUT. SILT FENCE SLOPE BARRIERS MUST BE DUG INTO THE GROUND-SILT FENCE AT GROUND LEVEL DOES NOT WORK BECAUSE WATER WILL FLOW UNDERNEATH.

INSPECTION AND MAINTENANCE:

SILT FENCE SLOPE BARRIERS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:
ARE THERE ANY POINTS ALONG THE SLOPE BARRIER WHERE WATER IS CONCENTRATING?
DOES WATER FLOW UNDER THE SLOPE BARRIER?
DO THE SILT FENCES SAG EXCESSIVELY?
HAS THE SILT FENCE TORN OR BECOME DETACHED FROM THE POSTS?
DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE SLOPE BARRIER?



MATERIAL SPECIFICATION:

SILT FENCE FABRIC SHOULD CONFORM TO THE AASHTO M288 96 SILT FENCE SPECIFICATION. THE WIRE OR POLYMERIC MESH BACKING USED TO HELP SUPPORT THE SILT FENCE FABRIC SHOULD CONFORM TO THE AASHTO M288 96 SILT FENCE SPECIFICATION. THE POSTS USED TO SUPPORT THE SILT FENCE FABRIC SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4" LONG. THE MATERIAL USED TO FRAME THE TOPS OF THE POSTS SHOULD BE 1" BY 4" BOARDS. SILT FENCE FABRIC AND SUPPORT BACKING SHOULD BE ATTACHED TO THE WOODEN POSTS AND FRAME WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

PLACEMENT:

PLACE A SILT FENCE DROP INLET BARRIER IN A LOCATION WHERE IT IS UNLIKELY TO BE OVERTOPPED. WATER SHOULD FLOW THROUGH SILT FENCE, NOT OVER IT. SILT FENCE BARRIERS FOR AREA INLETS OFTEN FAIL WHEN REPEATEDLY OVERTOPPED. WHEN USED AS A BARRIER FOR AREA INLETS, SILT FENCE FABRIC AND POSTS MUST BE SUPPORTED AT THE TOP BY A WOODEN FRAME. WHEN A SILT FENCE BARRIER FOR AREA INLETS IS LOCATED NEAR AN INLET THAT HAS STEEP APPROACH SLOPES, THE STORAGE CAPACITY BEHIND THE BARRIER IS DRASTICALLY REDUCED. TIMELY REMOVAL OF SEDIMENT MUST OCCUR FOR A BARRIER TO OPERATE PROPERLY IN THIS LOCATION.

PROPER INSTALLATION METHOD:

EXCAVATE A TRENCH AROUND THE PERIMETER OF THE AREA INLET THAT IS AT LEAST 8" DEEP BY 8" WIDE. DRIVE POSTS TO A DEPTH OF AT LEAST 18" AROUND THE PERIMETER OF THE AREA INLET. THE DISTANCE BETWEEN POSTS SHOULD BE 4' OR LESS. IF THE DISTANCE BETWEEN TWO ADJACENT CORNER POSTS IS MORE THAN 4', ADD ANOTHER POST(S) BETWEEN THEM. CONNECT THE TOPS OF ALL THE POSTS WITH A WOODEN FRAME MADE OF 1" BY 4" BOARDS. USE NAILS OR SCREWS FOR FASTENING. ATTACH THE WIRE OR POLYMERIC-MESH BACKING TO THE OUTSIDE OF THE POST/FRAME STRUCTURE WITH STAPLES, WIRE, ZIP TIES, OR NAILS. ROLL OUT A CONTINUOUS LENGTH OF SILT FENCE FABRIC LONG ENOUGH TO WRAP AROUND THE PERIMETER OF THE AREA INLET. ADD MORE LENGTH FOR OVERLAPPING THE FABRIC JOINT. PLACE THE EDGE OF THE FABRIC IN THE TRENCH, STARTING AT THE OUTSIDE EDGE OF THE TRENCH. LINE ALL THREE 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 SHOULD REMAIN EXPOSED. ATTACH THE SILT FENCE TO THE OUTSIDE OF THE POST/FRAME STRUCTURE WITH STAPLES, WIRE, ZIP TIES, OR NAILS. THE JOINT SHOULD BE OVERLAPPED TO THE NEXT POST.

NOTE:

WHEN A SILT FENCE BARRIER FOR AREA INLET IS PLACED IN A SHALLOW MEDIAN DITCH, MAKE SURE THAT THE TOP OF THE BARRIER IS NOT HIGHER THAN THE PAVED ROAD. IN THIS CONFIGURATION, WATER MAY SPREAD ONTO THE ROADWAY CAUSING A HAZARDOUS CONDITION.

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 POSTS ON THE OUTSIDE OF THE SILT FENCE BARRIER FOR AREA INLET. IN THIS CONFIGURATION, THE FORCE OF THE WATER IS NOT RESTRICTED BY THE POSTS, BUT ONLY BY THE STAPLES (WIRE, ZIP TIES, NAILS, ETC.). THE SILT FENCE WILL RIP AND FAIL. DO NOT INSTALL SILT FENCE BARRIER FOR AREA INLETS WITHOUT FRAMING THE TOP OF THE POSTS. THE CORNER POSTS AROUND AREA INLETS ARE STRESSED IN TWO DIRECTIONS WHEREAS A NORMAL SILT FENCE IS ONLY STRESSED IN ONE DIRECTION. THIS ADDED STRESS REQUIRES MORE SUPPORT.

INSPECTION AND MAINTENANCE:

SILT FENCE BARRIER FOR AREA INLETS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:
DOES WATER FLOW UNDER THE SILT FENCE?
DOES THE SILT FENCE SAG EXCESSIVELY?
HAS THE SILT FENCE TORN OR BECOME DETACHED FROM THE POSTS?
DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE AREA INLET BARRIER?





CITY OF WICHITA
PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

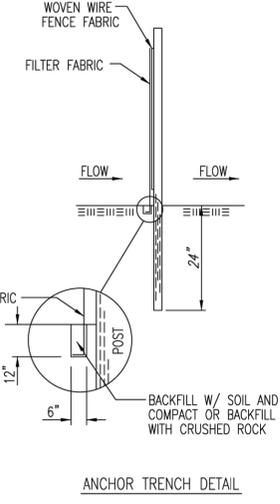
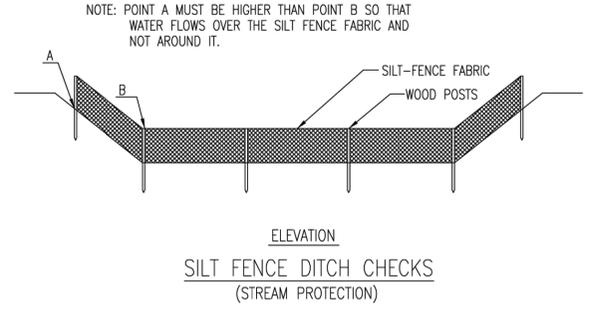
SILT FENCE DITCH CHECK AND BARRIER DETAILS

CITY ENGINEER
GARY JANZEN, P.E.

PROJECT NUMBER	OCA NUMBER	DATE
		11/2010

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

SHEET



MATERIAL SPECIFICATION:

SILT FENCE FABRIC SHOULD CONFORM TO THE AASHTO M288 96 SILT FENCE SPECIFICATION. THE POSTS USED TO SUPPORT THE SILT FENCE FABRIC SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4" LONG. SILT FENCE FABRIC SHOULD BE ATTACHED TO THE WOODEN POSTS WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

PLACEMENT:

PLACE SILT FENCE IN DITCHES WHERE IT IS UNLIKELY THAT IT WILL BE OVERTOPPED. WATER SHOULD FLOW THROUGH A SILT FENCE DITCH CHECK, NOT OVER IT. SILT FENCE DITCH CHECKS OFTEN FAIL WHEN OVERTOPPED. SILT FENCE DITCH CHECKS SHOULD BE PLACED PERPENDICULAR TO THE FLOWLINE OF THE DITCH. THE SILT FENCE SHOULD EXTEND FAR ENOUGH SO THAT THE GROUND LEVEL AT THE ENDS OF THE FENCE IS HIGHER THAN THE TOP OF THE LOW POINT OF THE FENCE. THIS PREVENTS WATER FROM FLOWING AROUND THE CHECK. SILT FENCE DITCH CHECKS SHOULD NOT BE PLACED IN DITCHES WHERE HIGH FLOWS ARE EXPECTED. ROCK CHECKS SHOULD BE USED INSTEAD. SILT FENCE SHOULD BE PLACED IN DITCHES WITH SLOPES OF 6% OR LESS. FOR SLOPES STEEPER THAN 6%, ROCK CHECKS SHOULD BE USED.

THE FOLLOWING TABLE PROVIDES CHECK SPACING FOR A GIVEN DITCH GRADE:

DITCH CHECK DITCH GRADE (%)	SPACING CHECK SPACING (FEET)
0.5	200
1.0	200
2.0	100
3.0	65
4.0	50
5.0	40
6.0	30

PROPER INSTALLATION METHOD:

EXCAVATE A TRENCH PERPENDICULAR TO THE DITCH FLOWLINE THAT IS AT LEAST 12" DEEP BY 6" WIDE. EXTEND THE TRENCH IN A STRAIGHT LINE ALONG THE ENTIRE LENGTH OF THE PROPOSED DITCH CHECK. PLACE THE SOIL ON THE UPSLOPE SIDE OF THE TRENCH FOR LATER USE. ROLL OUT A CONTINUOUS LENGTH OF SILT FENCE FABRIC ON THE DOWNSLOPE SIDE OF THE TRENCH. PLACE THE EDGE OF THE FABRIC IN THE TRENCH STARTING AT THE TOP UPSLOPE EDGE OF THE TRENCH. LINE TWO SIDES OF THE TRENCH WITH THE FABRIC AS SHOWN ON DETAIL. 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 SHOULD REMAIN EXPOSED. LAY THE EXPOSED SILT FENCE ON THE UPSLOPE SIDE OF THE TRENCH TO CLEAR AN AREA FOR DRIVING IN THE POSTS. JUST DOWNSLOPE OF THE TRENCH, DRIVE POSTS INTO THE GROUND TO A DEPTH OF AT LEAST 24". PLACE POSTS NO MORE THAN 4' APART. ATTACH THE SILT FENCE TO THE ANCHORED POST WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

WATER SHOULD FLOW THROUGH A SILT FENCE DITCH CHECK-NOT OVER IT. PLACE SILT FENCE IN DITCHES WHERE IT IS UNLIKELY THAT IT WILL BE OVERTOPPED. SILT FENCE INSTALLATIONS QUICKLY DETERIORATE WHEN WATER OVERTOPS THEM. 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.). THE SILT FENCE WILL RIP AND FAIL. DO NOT PLACE A 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 CHECKS IN DITCHES THAT WILL LIKELY EXPERIENCE HIGH FLOWS. THEY WILL NOT STAND UP TO 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.

INSPECTION AND MAINTENANCE:

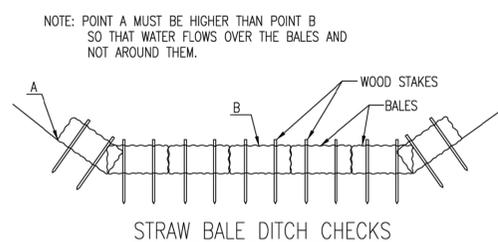
SILT FENCE DITCH CHECKS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:
DOES WATER FLOW AROUND THE DITCH CHECK?
DOES WATER FLOW UNDER THE DITCH CHECK?
DOES THE SILT FENCE SAG EXCESSIVELY?
HAS THE SILT FENCE TORN OR BECOME DETACHED FROM THE POSTS?
DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE DITCH CHECK?

File: L:\2025\F02-2500484 - OJ Watson Park Improvements\Drawings\OWP-C504.dwg Last Save: 5/16/2025 2:28 PM Last saved by: BGillespie Last plotted by: Stegman, Calle E. Plot Style: AECmono.ctb Plot Scale: 1:2,584.0 Plot Date: 7/16/2025 9:52 AM Plotter used: None



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 (316) 264-8008



MATERIAL SPECIFICATION:

BALE DITCH CHECKS MAY BE CONSTRUCTED OF WHEAT STRAW, OAT STRAW, PRAIRIE HAY, OR BROMEGRASS HAY THAT IS FREE OF WEEDS DECLARED NOXIOUS BY THE KANSAS STATE BOARD OF AGRICULTURE. THE STAKES USED TO ANCHOR THE BALES SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4' LONG.
 OPTIONAL: THE DOWNSTREAM SCOUR APRON SHOULD BE CONSTRUCTED OF A DOUBLE-NETTED STRAW EROSION-CONTROL BLANKET AT LEAST 6' WIDE.
 OPTIONAL: THE METAL LANDSCAPE STAPLES USED TO ANCHOR THE EROSION-CONTROL BLANKET SHOULD BE AT LEAST 8" LONG.

PLACEMENT:

BALE DITCH CHECKS SHOULD BE PLACED PERPENDICULAR TO THE FLOWLINE OF THE DITCH. THE DITCH CHECK SHOULD EXTEND FAR ENOUGH SO THAT THE GROUND LEVEL AT THE ENDS OF THE CHECK IS HIGHER THAN THE TOP OF THE LOWEST CENTER BALE. THIS PREVENTS WATER FROM FLOWING AROUND THE CHECK.
 STRAW BALE DITCH CHECKS SHOULD NOT BE PLACED IN DITCHES WHERE HIGH FLOWS ARE EXPECTED. ROCK CHECKS SHOULD BE USED INSTEAD.
 BALES SHOULD BE PLACED IN DITCHES WITH SLOPES OF 6% OR LESS. FOR SLOPES STEEPER THAN 6%, ROCK CHECKS SHOULD BE USED.
 THE FOLLOWING TABLE PROVIDES CHECK SPACING FOR A GIVEN DITCH GRADE:

DITCH CHECK DITCH GRADE (%)	SPACING CHECK SPACING (FEET)
0.5	200
1.0	200
2.0	100
3.0	65
4.0	50
5.0	40
6.0	30

PROPER INSTALLATION METHOD:

EXCAVATE A TRENCH PERPENDICULAR TO THE DITCH FLOWLINE THAT IS 4" DEEP AND A BALE'S WIDTH 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-IT WILL BE USED LATER.
 OPTIONAL: ON THE DOWNSTREAM SIDE OF THE TRENCH, ROLL OUT A LENGTH OF EROSION-CONTROL BLANKET (SCOUR APRON) EQUAL TO THE LENGTH OF THE TRENCH. PLACE THE UPSTREAM EDGE OF THE EROSION-CONTROL BLANKET ALONG THE BOTTOM UPSTREAM EDGE OF THE TRENCH. THE EROSION CONTROL BLANKET SHOULD BE ANCHORED IN THE TRENCH WITH ONE ROW OF 8" LANDSCAPE STAPLES PLACED ON 18" CENTERS. THE REMAINDER OF THE EROSION-CONTROL BLANKET (THE PORTION THAT IS NOT LYING IN THE TRENCH) WILL SERVE AS THE DOWNSTREAM SCOUR APRON. THIS SECTION OF THE BLANKET SHOULD BE ANCHORED TO THE GROUND WITH 8" LANDSCAPE STAPLES PLACED AROUND THE PERIMETER OF THE BLANKET ON 18" CENTERS. THE REMAINDER OF THE BLANKET SHOULD BE ANCHORED USING TWO EVENLY SPACED ROWS OF 8" LANDSCAPE STAPLES ON 18" CENTERS PLACED PERPENDICULAR TO THE FLOWLINE OF THE DITCH.
 PLACE THE BALES IN THE TRENCH, MAKING SURE THAT THEY ARE BUTTED TIGHTLY. TWO STAKES SHOULD BE DRIVEN THROUGH EACH BALE ALONG THE CENTERLINE OF THE DITCH CHECK, APPROXIMATELY 6" TO 8" IN FROM THE BALE ENDS. STAKES SHOULD BE DRIVEN AT LEAST 12" INTO THE GROUND.
 ONCE ALL THE BALES HAVE BEEN INSTALLED AND ANCHORED, PLACE THE EXCAVATED SOIL AGAINST THE UPSTREAM SIDE OF THE CHECK AND COMPACT IT. THE COMPACTED SOIL SHOULD BE NO MORE THAN 3" TO 4" DEEP AND EXTEND UPSTREAM NO MORE THAN 24".

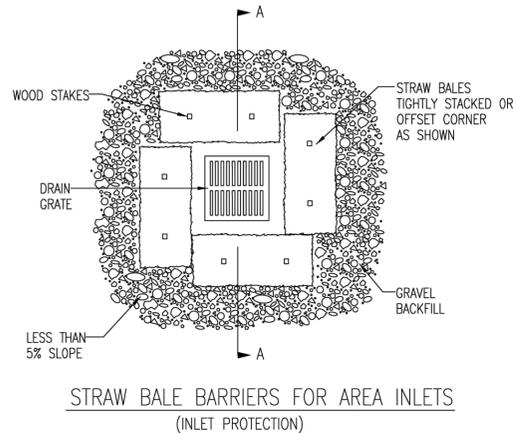
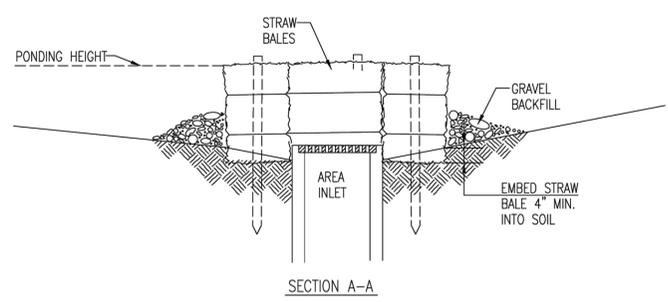
LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

DO NOT PLACE A BALE DITCH CHECK DIRECTLY IN FRONT OF A CULVERT OUTLET. IT WILL NOT STAND UP TO THE CONCENTRATED FLOW.
 DO NOT PLACE BALE DITCH CHECKS IN DITCHES THAT WILL LIKELY EXPERIENCE HIGH FLOWS. THEY WILL NOT STAND UP TO 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 CHECK IS HIGHER THAN THE TOP OF THE LOWEST CENTER BALE.
 DO NOT PLACE BALE DITCH CHECKS IN CHANNELS WITH SHALLOW SOILS UNDERLAIN BY ROCK. IF THE CHECK IS NOT ANCHORED SUFFICIENTLY, IT WILL WASH OUT.
 BALE DITCH CHECKS MUST BE DUG INTO THE GROUND. BALES AT GROUND LEVEL DO NOT WORK BECAUSE THEY ALLOW WATER TO FLOW UNDER THE CHECK.

INSPECTION AND MAINTENANCE:

BALE DITCH CHECKS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:

DOES WATER FLOW AROUND THE DITCH CHECK?
 DOES WATER FLOW UNDER THE DITCH CHECK?
 DOES WATER FLOW THROUGH SPACES BETWEEN ABUTTING BALES?
 ARE ANY BALES AND/OR SCOUR APRONS (OPTIONAL) DISLODGED?
 ARE BALES DECOMPOSING DUE TO AGE AND/OR WATER DAMAGE?
 DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE DITCH CHECK?



MATERIAL SPECIFICATION:

BALE AREA INLET BARRIERS SHOULD BE CONSTRUCTED OF WHEAT STRAW, OAT STRAW, PRAIRIE HAY, OR BROMEGRASS HAY THAT IS FREE OF WEEDS DECLARED NOXIOUS BY THE KANSAS STATE BOARD OF AGRICULTURE. THE STAKES USED TO ANCHOR THE BALES SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4' LONG.
 TWINE SHOULD BE USED TO BIND BALES. THE USE OF WIRE BINDING IS PROHIBITED BECAUSE IT DOES NOT BIODEGRADE READILY.

PLACEMENT:

BALE AREA INLET BARRIERS SHOULD BE PLACED DIRECTLY AROUND THE PERIMETER OF A DROP INLET. WHEN A BALE AREA INLET BARRIER IS LOCATED NEAR AN INLET THAT HAS STEEP APPROACH SLOPES, THE STORAGE CAPACITY BEHIND THE BARRIER IS DRASTICALLY REDUCED. TIMELY REMOVAL OF SEDIMENT MUST OCCUR FOR A BARRIER TO OPERATE PROPERLY IN THIS LOCATION.

PROPER INSTALLATION METHOD:

EXCAVATE A TRENCH AROUND THE PERIMETER OF THE AREA INLET THAT IS AT LEAST 4" DEEP BY A BALE'S WIDTH WIDE.
 PLACE THE BALES IN THE TRENCH, MAKING SURE THAT THEY ARE BUTTED TIGHTLY. SOME BALES MAY NEED TO BE SHORTENED TO FIT INTO THE TRENCH AROUND THE AREA INLET. TWO STAKES SHOULD BE DRIVEN THROUGH EACH BALE, APPROXIMATELY 6" TO 8" IN FROM THE BALE ENDS.
 STAKES SHOULD BE DRIVEN AT LEAST 12" INTO THE GROUND.
 ONCE ALL THE BALES HAVE BEEN INSTALLED AND ANCHORED, PLACE THE EXCAVATED SOIL AGAINST THE RECEIVING SIDE OF THE BARRIER AND COMPACT IT. THE COMPACTED SOIL SHOULD BE NO MORE THAN 3" TO 4" DEEP.
 NOTE: WHEN A BALE AREA INLET BARRIER IS PLACED IN A SHALLOW MEDIAN DITCH, MAKE SURE THAT THE TOP OF THE BARRIER IS NOT HIGHER THAN THE PAVED ROAD. IN THIS CONFIGURATION, WATER MAY SPREAD ONTO THE ROADWAY CAUSING A HAZARDOUS CONDITION.

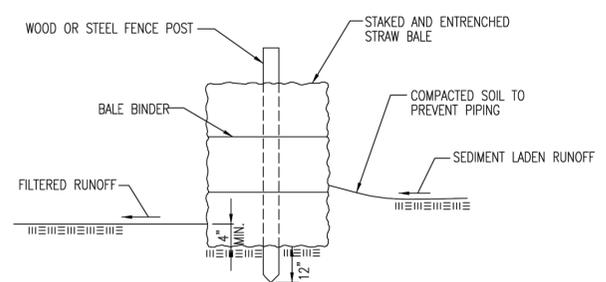
LIST OF COMMON PLACEMENT INSTALLATION MISTAKES TO AVOID:

BALES SHOULD BE PLACED DIRECTLY AGAINST THE PERIMETER OF THE AREA INLET. THIS ALLOWS OVERTOPPING WATER TO FLOW DIRECTLY INTO THE INLET INSTEAD OF ONTO NEARBY SOIL CAUSING SCOUR. BALE AREA INLET BARRIERS MUST BE DUG INTO THE GROUND. BALES AT GROUND LEVEL DO NOT WORK BECAUSE THEY ALLOW WATER TO FLOW UNDER THE BARRIER.

INSPECTION AND MAINTENANCE:

BALE AREA INLET BARRIERS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:

DOES WATER FLOW UNDER THE AREA INLET BARRIER?
 DOES WATER FLOW THROUGH SPACES BETWEEN ABUTTING BALES?
 ARE ANY BALES DISLODGED?
 ARE BALES DECOMPOSING DUE TO AGE AND/OR WATER DAMAGE?
 DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE AREA INLET BARRIER?



STRAW BALE BARRIERS

MATERIAL SPECIFICATION:

BALE SLOPE BARRIERS MAY BE CONSTRUCTED OF WHEAT STRAW, OAT STRAW, PRAIRIE HAY, OR BROMEGRASS HAY THAT IS FREE OF WEEDS DECLARED NOXIOUS BY THE KANSAS STATE BOARD OF AGRICULTURE. THE STAKES USED TO ANCHOR THE BALES SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4' LONG.
 TWINE SHOULD BE USED TO BIND BALES. THE USE OF WIRE BINDING IS PROHIBITED BECAUSE IT DOES NOT BIODEGRADE READILY.

PLACEMENT:

A SLOPE BARRIER SHOULD BE USED AT THE TOE OF A SLOPE WHEN A DITCH DOES NOT EXIST. THE SLOPE BARRIER SHOULD BE PLACED ON NEARLY LEVEL GROUND 5' TO 10' AWAY FROM THE TOE OF A SLOPE. THE BARRIER IS PLACED AWAY FROM THE TOE OF THE SLOPE TO PROVIDE ADEQUATE STORAGE FOR SETTLING OUT SEDIMENT.
 WHEN PRACTICABLE, BALE SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW.
 BALE SLOPE BARRIERS CAN ALSO BE PLACED ALONG RIGHT-OF-WAY FENCE LINES TO KEEP SEDIMENT FROM CROSSING ONTO ADJACENT PROPERTY. WHEN PLACED IN THIS MANNER, THE SLOPE BARRIER WILL NOT LIKELY FOLLOW CONTOURS.

PROPER INSTALLATION METHOD:

EXCAVATE A TRENCH THE LENGTH OF THE PLANNED SLOPE BARRIER THAT IS 4" DEEP AND A BALE'S WIDTH WIDE. MAKE SURE THAT THE TRENCH IS EXCAVATED ALONG A SINGLE CONTOUR. WHEN PRACTICABLE, SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW. PLACE THE SOIL ON THE UPSLOPE SIDE OF THE TRENCH FOR LATER USE.
 PLACE THE BALES IN THE TRENCH, MAKING SURE THAT THEY ARE BUTTED TIGHTLY. TWO STAKES SHOULD BE DRIVEN THROUGH EACH BALE ALONG THE CENTERLINE OF THE DITCH CHECK, APPROXIMATELY 6" TO 8" IN FROM THE BALE ENDS. STAKES SHOULD BE DRIVEN AT LEAST 12" INTO THE GROUND.
 ONCE ALL THE BALES HAVE BEEN INSTALLED AND ANCHORED, PLACE THE EXCAVATED SOIL AGAINST THE UPSLOPE SIDE OF THE CHECK AND COMPACT IT. THE COMPACTED SOIL SHOULD BE NO MORE THAN 3" TO 4" DEEP.

LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

WHEN PRACTICAL, DO NOT PLACE BALE SLOPE BARRIERS ACROSS CONTOURS. SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW. CONCENTRATED FLOW OVER A SLOPE BARRIER CREATES A SCOUR HOLE ON THE DOWNSLOPE SIDE OF THE BARRIER. THE SCOUR HOLE EVENTUALLY UNDERMINES THE BALES AND THE BARRIER FAILS.
 DO NOT PLACE BALE SLOPE BARRIERS IN AREAS WITH SHALLOW SOILS UNDERLAIN BY ROCK. IF THE BARRIER IS NOT ANCHORED SUFFICIENTLY, IT WILL WASH OUT.
 BALE SLOPE BARRIERS MUST BE DUG INTO THE GROUND. BALES AT GROUND LEVEL DO NOT WORK BECAUSE THEY ALLOW WATER TO FLOW UNDER THE BARRIER.

INSPECTION AND MAINTENANCE:

BALE SLOPE BARRIERS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:

ARE THERE ANY POINTS ALONG THE SLOPE BARRIER WHERE WATER IS CONCENTRATING?
 DOES WATER FLOW UNDER THE SLOPE BARRIER?
 DOES WATER FLOW THROUGH SPACES BETWEEN ABUTTING BALES?
 ARE ANY BALES DISLODGED?
 ARE BALES DECOMPOSING DUE TO AGE AND/OR WATER DAMAGE?
 DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE SLOPE BARRIER?

 CITY OF WICHITA PUBLIC WORKS & UTILITIES ENGINEERING DIVISION		STRAW BALE DITCH CHECK AND BARRIER DETAILS	
		CITY ENGINEER GARY JANZEN, P.E.	
PROJECT NUMBER	OCA NUMBER	DATE 11/2010	
CITY ENGINEER'S OFFICE		SHEET	
CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501			



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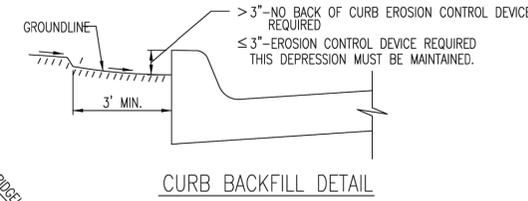
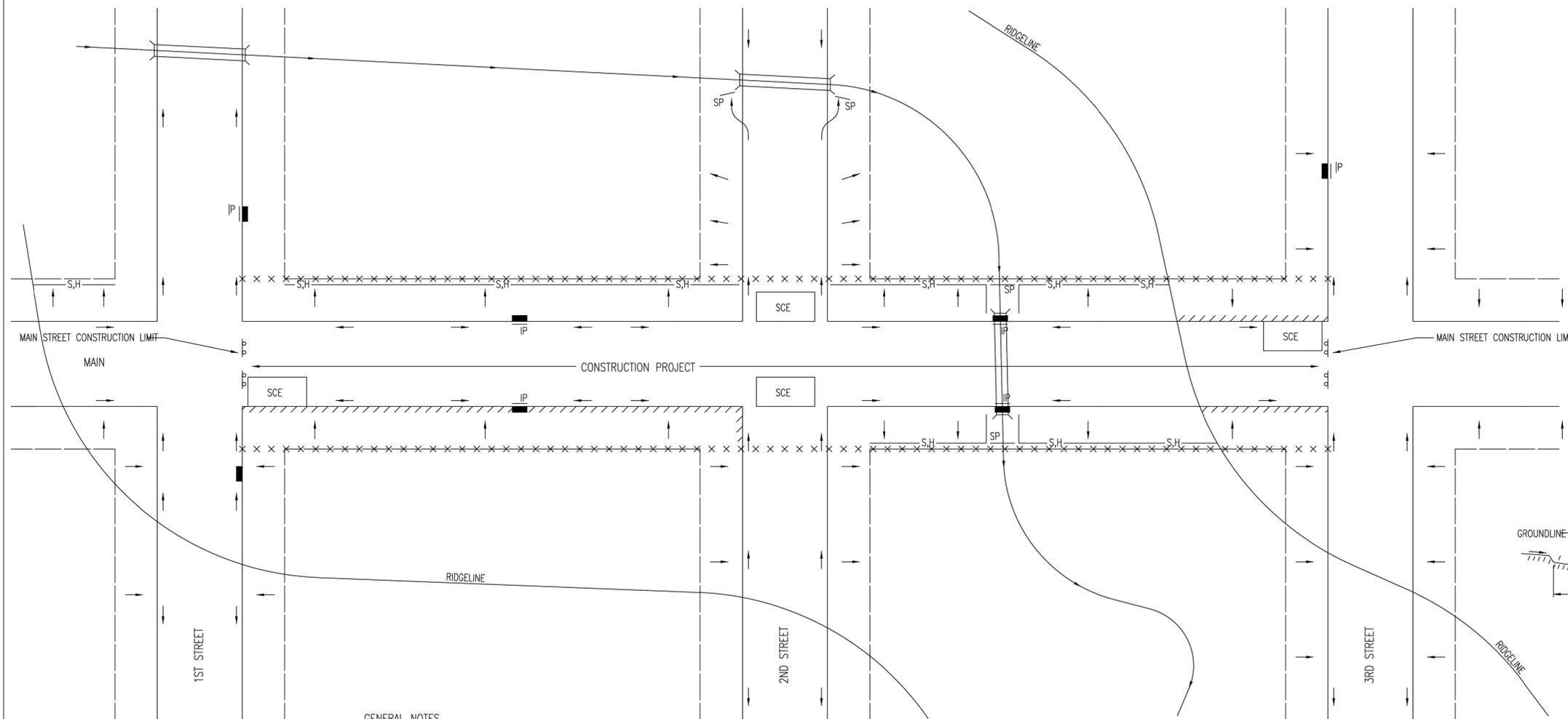


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GENERAL NOTES

1. THIS SHEET IS INTENDED TO PROVIDE GUIDELINES AS TO WHAT TYPES OF EROSION CONTROL DEVICES WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS. CONTRACTORS ARE EXPECTED TO BID PROJECTS ACCORDINGLY.
2. EROSION CONTROL DEVICES MUST BE MAINTAINED BY THE CONTRACTOR THROUGHOUT THE CONSTRUCTION PROCESS AND UNTIL THE DISTURBED EARTH IS RESTABILIZED.
3. IF THE PROJECT WILL DISTURB 1 ACRE OR MORE, A FEDERAL/STATE NPDES STORMWATER PERMIT IS REQUIRED. A DETAILED STORMWATER POLLUTION PREVENTION PLAN, IS REQUIRED. THE EROSION CONTROL DEVICES SHOWN ON THIS SHEET ARE CONSIDERED TO BE THE MINIMUM TO BE SHOWN IN THE POLLUTION PREVENTION PLAN.
4. FOR PROJECTS DISTURBING LESS THAN 1 ACRE, CONTRACTORS ARE ENCOURAGED TO PREPARE STORMWATER POLLUTION PREVENTION PLANS PRIOR TO CONSTRUCTION. EROSION CONTROL DEVICES MUST BE USED ON ALL PROJECTS.
5. FAILURE TO USE AND MAINTAIN EROSION CONTROL DEVICES IS A VIOLATION OF SECTION 16.32 OF THE CITY CODE AND WILL SUBJECT THE CONTRACTOR TO THE PENALTIES PROVIDED FOR THEREIN.
6. THE APPLICATION OF EROSION CONTROL DEVICES SHOWN ON THIS SHEET IS FOR SITUATIONS NORMALLY ENCOUNTERED. FROM TIME TO TIME, SITUATIONS WILL ARISE THAT MAY REQUIRE A DIFFERENT DEVICE OTHER THAN THOSE SHOWN. EROSION CONTROL DEVICES, OTHER THAN THOSE SHOWN, MAY BE UTILIZED AS LONG AS THEY ARE EFFECTIVE AND MAINTAINED.



THIS IS A TEMPORARY MEASURE ONLY, WHEN APPROVED BY THE PROJECT ENGINEER. THE DIRT GRADE BEHIND THE CURB SHALL BE BROUGHT TO THE TOP OF CURB, WITH TEMPORARY EROSION CONTROL MAT OR PERMANENT VEGETATION PLACED, PRIOR TO THE COMPLETION OF ALL PROJECTS.

GENERAL NOTES

1. THE INTENT OF ALL EROSION CONTROL DEVICES IS TO KEEP ALL SEDIMENT CONFINED TO THE CONSTRUCTION SITE, AND OUT OF ALL UNDERGROUND PIPES, DITCHES, LAKES, AND OTHER DRAINAGE FACILITIES, AND OFF OF STREETS.
2. THE POINT OF COMPLIANCE IS GENERALLY THE RIGHT-OF-WAY LINES WITHIN THE LIMITS OF CONSTRUCTION.
3. EROSION CONTROL DEVICES WILL BE REQUIRED AT ALL POINTS ALONG THE PROJECT WHERE DISTURBED EARTH CAN DRAIN ONTO PRIVATE PROPERTY.
4. INLET PROTECTION DEVICES WILL BE REQUIRED WHEREVER WATER CAN DRAIN OFF THE PROJECT SITE INTO AN INLET, INCLUDING ANY SIDE STREET INLETS.
5. EROSION CONTROL DEVICES SHALL BE INSTALLED AT CREEK CROSSINGS SO AS TO PREVENT SEDIMENT FROM ENTERING THEREIN.
6. STABILIZED CONSTRUCTION ENTRANCES SHALL BE PROVIDED, AS NEEDED, TO PREVENT MUD FROM TRACKING ONTO STREETS NOT UNDER CONSTRUCTION AND ON STREETS WITHIN THE PROJECT LIMITS IF TRAFFIC IS BEING MAINTAINED THROUGH THE PROJECT.
7. ANY MUD TRACKED ONTO STREETS MUST BE REMOVED AT THE END OF EACH WORK DAY.
8. THE CONTRACTOR WILL BE REQUIRED TO PLACE EROSION CONTROL DEVICES BACK OF CURB, WHENEVER WATER CAN DRAIN OVER CURB, TO KEEP ERODED SOIL OUT OF THE GUTTERLINES, IN ACCORDANCE WITH THE FOLLOWING:
 - A. THE DEVICE REQUIRED WILL BE APPROVED EROSION CONTROL MAT LISTED ON THE CITY'S APPROVED MATERIAL LIST. SAID BLANKET SHALL BE PLACED OVER THE APPROPRIATE SEED AND FERTILIZER, AS SPECIFIED IN THE PROJECT SPECIFICATIONS. (SEE SOIL EROSION BMPs - BACK OF CURB SEDIMENT BARRIER DETAILS)
 - B. THIS DEVICE SHALL BE INSTALLED IMMEDIATELY WHENEVER THE CURB IS BACKFILLED TO WITHIN 3" OF THE TOP OF CURB. (SEE CURB BACKFILL DETAIL) OTHER BMP'S MAY BE REQUIRED AT LOCATIONS WHERE CONCENTRATED FLOW CARRIES SEDIMENT OVER THE CURB.
 - C. ADDITIONALLY, OTHER EROSION CONTROL DEVICES (HAY BALES, SILT FENCE, ETC.) WILL BE INSTALLED AT LOCATIONS OF CONCENTRATED FLOW RESULTING IN SEDIMENT OVERRUNNING THE MAT.
 - D. SHOULD THE PROJECT PLANS SPECIFY THAT THE RIGHT-OF-WAY IS TO BE SODDED, THE EXCELSIOR MAT WILL NOT BE REQUIRED SO LONG AS THE SOD IS PLACED WITHIN 48 HOURS AFTER CURB BACKFILL REACHES A HEIGHT OF 3" OR LESS FROM TOP OF CURB. (SEE CURB BACKFILL DETAIL)

LEGEND

- R-O-W LIMITS
- DRAINAGE FLOW PATH
- × × × × R/W LIMIT WITHIN CONSTRUCTION LIMIT
- STORM WATER INLETS
- IP INLET PROTECTION
- S,H— SILT FENCE OR HAY BALE BARRIER
- SP STREAM PROTECTION
- SCE STABILIZED CONSTRUCTION ENTRANCE
- //// BACK OF CURB PROTECTION



REVISION: JUNE 2015		
STREET IMPROVEMENT PROJECTS		
CITY ENGINEER GARY JANZEN, P.E.		
PROJECT NUMBER	OCA NUMBER	DATE
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		SHEET

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
 DEPT. OF PARK & RECREATION
 WICHITA, KANSAS
 Eng #: 482-11091
 OJ WATSON PARK
 CONCESSIONS BUILDING
 LANDSCAPE IMPROVEMENTS

C.O.W. EROSION CONTROL DETAILS 04

JOB NO.: 2500484
 DATE: AUG 2025
 DESIGNED BY: BDT
 DRAWN BY: CES

BAR IS ONE INCH ON ORIGINAL DRAWING
 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
C-507

SHEET NUMBER

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 Wichita, KS 67209
 (316) 264-8008

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
 DEPT. OF PARK & RECREATION
 WICHITA, KANSAS
 Eng #: 482-11091
 OJ WATSON PARK
 CONCESSIONS BUILDING
 LANDSCAPE IMPROVEMENTS

C.O.W. EROSION CONTROL DETAILS 05

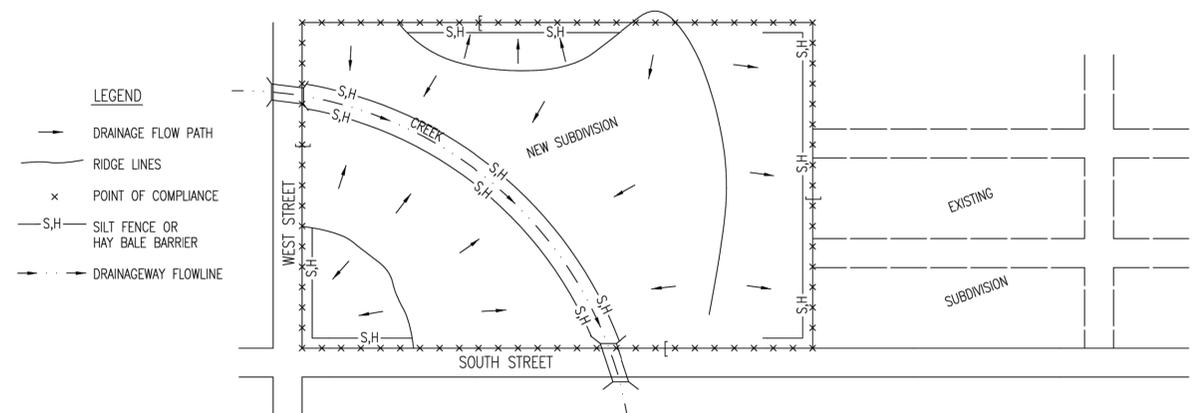
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DRAWING NUMBER
C-508

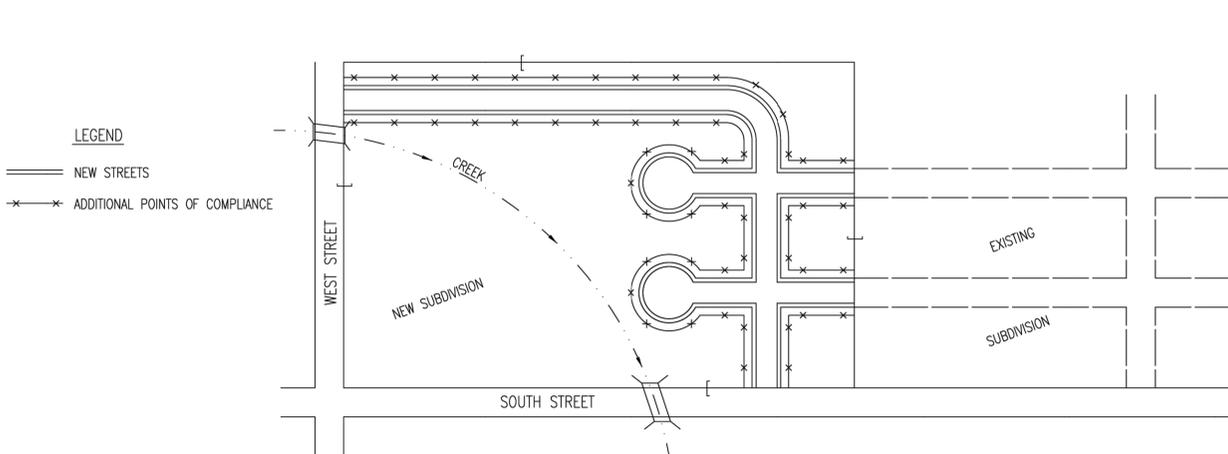
SHEET NUMBER

PHASE 1 – INITIAL EARTHWORK AND UTILITIES (EXCEPT STORM SEWER)



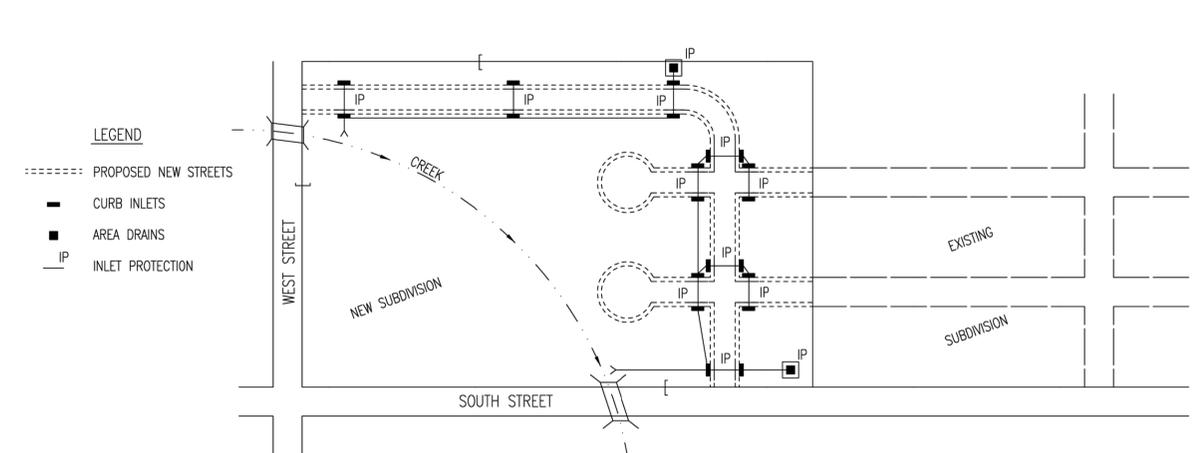
- DURING THIS PHASE OF SUBDIVISION CONSTRUCTION, THE POINTS OF COMPLIANCE ARE THE PERIMETER BOUNDARIES AND ANY DRAINAGE WAYS OR STORM SEWERS DRAINING THROUGH OR FROM THE SITE. SHOULD LAKES BE CONSTRUCTED WITHIN THE SUBDIVISION THAT WILL DISCHARGE DURING STORMS, THEY ARE ALSO A POINT OF COMPLIANCE.
- HAY BALES OR SILT FENCE MUST BE CONSTRUCTED ALONG THE PROPERTY LINE WHERE ON SITE WATER CAN DRAIN OFF THE PROPERTY. THESE EROSION CONTROL DEVICES WILL ALSO BE INSTALLED ALONG ANY DRAINAGE DITCH OR LAKE THAT CAN DISCHARGE.
- SHOULD SILT OR SEDIMENT ENTER THE DITCHES OR STREETS ON THE ADJACENT BOUNDARY STREETS, APPROPRIATE EROSION CONTROL DEVICES WILL BE PLACED WITHIN THE SUBDIVISION TO PREVENT THIS.
- ANY MUD TRACKED ONTO ADJACENT STREETS WILL BE REMOVED WITHIN 48 HOURS OR BY FRIDAY AT 6:00 PM, WHICHEVER IS EARLIER.
- CONTRACTORS WORKING WITHIN THE SITE WILL NOT BE REQUIRED TO USE INDIVIDUAL EROSION CONTROL DEVICES AS LONG AS THOSE SPECIFIED ABOVE ARE IN PLACE AND EFFECTIVE. CONTRACTORS WORKING ON THE BOUNDARY LINE STREETS OR ON ADJACENT PROPERTIES TO EXTEND UTILITIES ARE EXPECTED TO USE EROSION CONTROL DEVICES AT THEIR WORK LOCATIONS, AS NEEDED.
- UTILIZE STABILIZED CONSTRUCTION ENTRANCE AT ENTRANCE AND EXIT ONTO ANY EXISTING PUBLIC STREETS.
- IF THE INITIAL EARTH WORK AND UTILITIES ARE DONE AS PART OF A PUBLIC IMPROVEMENT PROJECT, THESE EROSION CONTROL DEVICES WILL BE INSTALLED BY THE CONTRACTOR AS SPECIFIED IN THE INDIVIDUAL PROJECT CONTRACTS. THE CONTRACTOR WILL MAINTAIN THE DEVICES UNTIL COMPLETION OF THE CONTRACT, AT WHICH TIME THE DEVELOPER WILL ASSUME MAINTENANCE RESPONSIBILITIES. IF THESE CONTRACTS ARE NOT PUBLIC IMPROVEMENT PROJECTS, THE DEVELOPER WILL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THESE DEVICES.
- WITHIN 14 DAYS OF COMPLETION OF EARTHWORK ACTIVITIES IN ANY GIVEN AREA, THAT AREA SHALL BE TEMPORARILY OR PERMANENTLY SEEDED AND MULCHED.

PHASE 3 – STREET CONSTRUCTION



- DURING THIS PHASE OF SUBDIVISION CONSTRUCTION, NEW STREETS ARE INSTALLED. ALL EROSION CONTROL DEVICES INSTALLED DURING PHASE 1 AND 2 MUST STILL BE MAINTAINED. THE POINT OF COMPLIANCE NOW SHIFTS TO THE BACK OF CURB ALONG EACH STREET.
- CURB OPENING INLET PROTECTION:
 - SUMP AREAS – INLET PROTECTION SHALL BE PROVIDED WHEN STREET SUBGRADE WORK IS COMPLETED.
 - NON-SUMP LOCATIONS – PROVIDE INLET PROTECTION AS SOON AS BASE COURSE ASPHALT IS INSTALLED, BEFORE THE SURFACE COURSE LIFT.
- EROSION CONTROL DEVICES WILL BE REQUIRED BACK OF CURB WHEREVER WATER CAN FLOW OVER THE CURB AND THE CURB HAS BEEN BACKFILLED TO WITHIN 3" OR LESS OF THE TOP OF CURB (SEE CURB BACKFILL DETAIL). FOR CURBS NOT YET ENTIRELY BACKFILLED (3" OR MORE BELOW TOP OF CURB), ADDITIONAL DEVICES WILL BE REQUIRED AT POINTS WHERE WATER BREAKS OVER CURB WHICH COULD RESULT IN THE PLACEMENT OF SEDIMENT IN THE GUTTER.
- SEE DETAIL SHEET FOR BACK OF CURB PROTECTION.
- THE BACK OF CURB PROTECTION SPECIFIED ON THIS PLAN MAY HAVE TO BE SUPPLEMENTED WITH HAY BALE OR SILT FENCE EROSION CONTROL DEVICES AT LOCATIONS WHERE CONCENTRATED FLOW RESULTS IN SEDIMENT BEING CARRIED OVER THE EXCELSIOR MATS.
- THE STREET CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLING BACK OF CURB EROSION CONTROL DEVICES.
- THE INDIVIDUAL LOT OWNERS WILL BE RESPONSIBLE FOR MAINTAINING THE BACK OF CURB EROSION CONTROL DEVICES IN FRONT OF THEIR LOTS UNTIL SUCH TIME AS ADJACENT DISTURBED EARTH IS STABILIZED WITH GRASS OR SOD.

PHASE 2 – INSTALLATION OF STORM SEWER

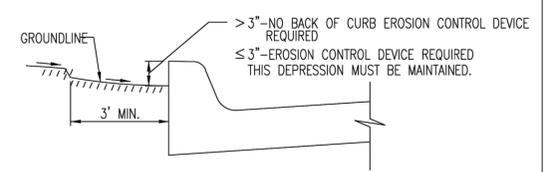


- DURING THIS PHASE OF SUBDIVISION DEVELOPMENT, ALL EROSION CONTROL DEVICES REQUIRED IN PHASE 1 SHALL REMAIN IN PLACE AND BE MAINTAINED.
- AS NEW STORM SEWERS, WITH INLETS, ARE INSTALLED, THE STORM SEWERS MUST NOW BE PROTECTED SO ALL NEW INLETS BECOME POINTS OF COMPLIANCE.
- AREA DRAINS – AS SOON AS WATER CAN FLOW INTO THESE DRAINS, HAY BALE OR SILT FENCE PROTECTION WILL BE INSTALLED AROUND THEM.
- CURB OPENING INLETS – AS SOON AS WATER CAN FLOW INTO THESE DRAINS, INLET PROTECTION DEVICES MUST BE INSTALLED. IF WATER CANNOT FLOW INTO CURB INLETS UNTIL STREET CONSTRUCTION IS COMPLETE, THEN STREET CONTRACTOR WILL INSTALL INLET PROTECTION. SEE PHASE 3 – STREET CONSTRUCTION.
- THE STORM SEWER CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLING THESE DEVICES.
- THE SUBDIVISION DEVELOPER WILL MAINTAIN THESE EROSION CONTROL DEVICES ONCE INSTALLED.
- ALL DISTURBED GROUND WILL BE FINAL GRADED AND TEMPORARILY OR PERMANENTLY SEEDED WITHIN 14 DAYS IF COMPLETION OF WORK IN ANY GIVEN PART OF THE SUBDIVISION.
- ONCE ALL DISTURBED GROUND DRAINING TO AN INLET HAS BEEN RESTABILIZED WITH GRASS OR SOD, THE SUBDIVISION DEVELOPER WILL BE RESPONSIBLE FOR PERMANENTLY REMOVING THE INLET PROTECTION.

GENERAL NOTES

- THE INTENT OF ALL EROSION CONTROL DEVICES IS TO PREVENT ERODED SOIL FROM ENTERING DITCHES, STORM SEWERS, LAKES, STREETS OR ANY OTHER OTHER DRAINAGE FEATURE.
- THIS SHEET IS INTENDED TO PROVIDE GUIDELINES AS TO WHAT TYPE OF EROSION CONTROL DEVICES WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS. CONTRACTORS ARE EXPECTED TO BID PROJECTS ACCORDINGLY.
- EROSION CONTROL DEVICES SHALL BE MAINTAINED DURING THE CONSTRUCTION PROCESS TO REMAIN EFFECTIVE. MAINTENANCE SHALL BE AS INDICATED ON SOIL EROSION BMP'S DETAIL SHEETS.
- PERSONS DESTROYING EROSION CONTROL DEVICES SHALL BE RESPONSIBLE FOR IMMEDIATELY REPAIRING THEM OR INSTALLING SUITABLE REPLACEMENT DEVICES.
- THE DEVELOPMENT OF ANY SUBDIVISION THAT DISTURBS 1 ACRE OR MORE WILL REQUIRE A FEDERAL/STATE NPDES STORMWATER PERMIT. THE PREPARATION OF A STORMWATER POLLUTION PREVENTION PLAN IS REQUIRED. EROSION CONTROL DEVICES ARE REQUIRED. THE DETAILS SHOWN ON THIS SHEET ARE THE MINIMUM STANDARDS TO BE SHOWN ON POLLUTION PREVENTION PLANS.
- FOR SUBDIVISIONS SMALLER THAN 1 ACRE, SOIL EROSION DEVICES ARE REQUIRED. ALSO, DEVELOPERS AND CONTRACTORS ARE ENCOURAGED TO DEVELOP POLLUTION PREVENTION PLANS FOR EACH PROJECT PRIOR TO CONSTRUCTION.
- FAILURE TO USE AND MAINTAIN SOIL EROSION DEVICES IS A VIOLATION OF SECTION 16.32 OF THE CITY CODE AND WILL SUBJECT THE SUBDIVISION DEVELOPER AND CONTRACTORS TO THE PENALTIES PROVIDED THEREIN.
- THE APPLICATION OF EROSION CONTROL DEVICES SHOWN ON THIS SHEET IS FOR SITUATIONS NORMALLY ENCOUNTERED. FROM TIME TO TIME, SITUATIONS WILL ARISE THAT MAY REQUIRE DEVICES OTHER THAN THOSE SHOWN. EROSION CONTROL DEVICES, OTHER THAN THOSE SHOWN, MAY BE UTILIZED SO LONG AS THEY ARE EFFECTIVE AND MAINTAINED.
- A STABILIZED EARTH SURFACE IS DEFINED AS ONE THAT IS HARD SURFACED WITH CONCRETE, ASPHALT, OR THE LIKE, OR ONE ON WHICH 70% OF THE GRASS HAS GERMINATED ON THE ENTIRE SURFACE.

SEE DETAIL SHEET FOR BACK OF CURB PROTECTION DETAIL



CURB BACKFILL DETAIL (STREET CONSTRUCTION ONLY)

THIS IS A TEMPORARY MEASURE ONLY, WHEN APPROVED BY THE PROJECT ENGINEER. THE DIRT GRADE BEHIND THE CURB SHALL BE BROUGHT TO THE TOP OF CURB, WITH TEMPORARY EROSION CONTROL MAT OR PERMANENT VEGETATION PLACED, PRIOR TO THE COMPLETION OF ALL PROJECTS.



SUBDIVISION DEVELOPMENT PROCESS

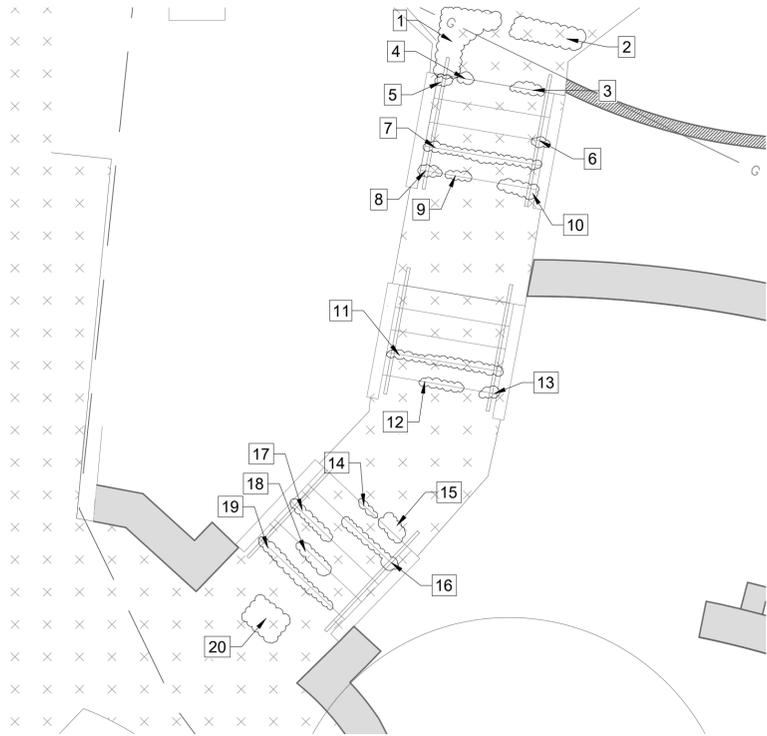
CITY ENGINEER
GARY JANZEN, P.E.

PROJECT NUMBER	OCA NUMBER	DATE
		08/2012

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

SHEET

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 Last plotted by: Stegman, Calle E. Plot Style: AECmonochrome.ctb Plot Scale: 1:2,5849 Plot Date: 7/16/2025 9:52 AM Plotter Used: None



1 STAIR REPAIR PLAN
SCALE: 1" = 5'

STAIR REPAIR NOTES

1. CONTRACTOR SHALL PROVIDE LABOR AND MATERIALS NECESSARY TO REPAIR SURFACE DAMAGE TO EXISTING STAIRS.
2. PRIOR TO COMMENCEMENT OF REPAIR WORK, CONTRACTOR SHALL POWER-WASH STAIRS.
3. REFER TO PLAN AND PHOTOS ON THIS SHEET FOR DOCUMENTATION OF EXTENT AND LOCATION OF CONCRETE DAMAGE.
4. FOR CRACKING ON HORIZONTAL SURFACES, USE A GRAY ELASTOMETRIC SELF-LEVELING JOINT SEALANT.
5. FOR NOSE AND SURFACE DAMAGE, USE A FAST-SET, ADHESIVE BOND MORTAR TO PATCH SURFACE DAMAGE. NU-STAIR BY GARON (WWW.GARONPRODUCTS, 866-825-9964) OR AN APPROVED EQUAL. SUBMIT PRODUCT INFORMATION TO CITY FOR APPROVAL.
6. FOR REPAIR OF STAIR NOSE DAMAGE, USE A PROFILING TOOL TO SHAPE EDGE TO MATCH EXISTING PROFILE. DO NOT HAND-FORM NOSE REPAIR WITH TROWEL.
7. FOLLOW MANUFACTURER RECOMMENDATIONS WHEN PLACING JOINT SEALANT AND PATCH MATERIAL. PROTECT AREA FROM FOOT TRAFFIC FOR A DURATION RECOMMENDED BY MANUFACTURER.
8. PROMPTLY REMOVE EXCESS MATERIAL BEFORE IT HAS A CHANCE TO SET.



1. TOP LANDING



2. TOP LANDING



3. TOP LANDING STEP EDGE



4. TOP LANDING STEP EDGE



5. TOP STEP EDGE AND RISER



6. TOP STEP EDGE



7. ENTIRE STEP EDGE



8. STEP EDGE CORNER



9. STEP EDGE



10. STEP EDGE CORNER



11. ENTIRE STEP EDGE



12. STEP EDGE



13. STEP EDGE CORNER



14. TOP STEP EDGE



15. TOP STEP EDGE



16. STEP EDGE



17. STEP EDGE



18. STEP EDGE



19. ENTIRE STEP EDGE



20. BOTTOM LANDING



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Wichita, KS 67209
(316) 264-8008



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REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
DEPT. OF PARK & RECREATION
WICHITA, KANSAS
Eng #: 482-11091
OJ WATSON PARK
CONCESSIONS BUILDING
LANDSCAPE IMPROVEMENTS

STAIR REPAIR PLAN

JOB NO.: 2500484
DATE: AUG 2025
DESIGNED BY: BDT
DRAWN BY: CES

BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
C-509

SHEET NUMBER

GENERAL PLANTING NOTES

1. PRIOR TO BEGINNING ANY WORK ON THE SITE, THE CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT TO ADDRESS ANY QUESTIONS.
2. LANDSCAPE CONTRACTOR SHALL PROVIDE LABOR, MATERIALS AND SERVICE NECESSARY TO FURNISH AND INSTALL MATERIALS AS SPECIFIED HEREIN AND SHOWN ON THE PLANS.
3. ALL PLANT MATERIAL SELECTIONS WILL BE REVIEWED AND APPROVED BY OWNERS' REPRESENTATIVES PRIOR TO PURCHASE AND INSTALLATION.
4. NO MATERIAL SUBSTITUTIONS SHALL BE MADE WITHOUT LANDSCAPE ARCHITECT'S WRITTEN APPROVAL. ALTERNATE MATERIALS OF SIMILAR SIZE AND CHARACTER MAY BE CONSIDERED IF SPECIFIED PLANT MATERIALS CANNOT BE OBTAINED. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REVISE THE PLANT LIST AS DEEMED NECESSARY.
5. QUANTITIES OF PLANT MATERIALS SHOWN ON THE PLAN TAKE PRECEDENCE OVER THE QUANTITIES SHOWN ON THE PLANT SCHEDULE. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES ON THE PLANTING PLAN.
6. REPORT DISCREPANCIES IN THE PLANTING PLAN TO THE LANDSCAPE ARCHITECT PRIOR TO PURCHASING MATERIALS OR COMMENCING CONSTRUCTION.
7. REVIEW THE LANDSCAPE SPECIFICATION SECTION LOCATED IN THE PROJECT MANUAL AND PART 900 OF THE CITY OF WICHITA'S WEBSITE FOR ADDITIONAL PROJECT RESPONSIBILITIES AND INSTRUCTIONS.

SITE PREPARATION AND EARTHWORK

8. TOPSOIL HAULED TO THE SITE SHALL BE FERTILE, FRIABLE, NATURAL LOAM SOIL OF UNIFORM QUALITY CHARACTERISTIC OF REPRESENTATIVE LOCAL SOILS WHICH PRODUCE HEAVY GROWTH OF CROP GRASSES, OR OTHER VEGETATION. SOIL SHALL BE FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS ROOTS, STONES, TRASH, OR ANY OTHER DELETERIOUS MATERIALS.
9. TOPSOIL SHALL BE DELIVERED IN AN UNFROZEN AND NON-MUDDY CONDITION AND SHALL BE SUBJECT TO APPROVAL OF THE LANDSCAPE ARCHITECT. SOLUBLE SALTS SHALL NOT EXCEED 500 ppm AND ORGANIC MATTER SHALL BE NO LESS THAN 1.5% BY WEIGHT. pH SHALL RANGE BETWEEN 6.0 AND 7.5.
10. LANDSCAPE CONTRACTOR SHALL HAVE TOPSOIL TESTED BY A CERTIFIED TESTING LABORATORY AND OBTAIN RECOMMENDATIONS FOR SOIL AMENDMENT TYPE(S) AND QUANTITIES. SUBMIT A COPY OF THIS REPORT TO THE LANDSCAPE ARCHITECT FOR THEIR RECORDS. RECOMMENDATIONS SHALL BE SPECIFIC TO THE TOPSOIL USED AND THE PLANT MATERIALS SPECIFIED IN THE PLANS. A SAMPLE OF THE TOPSOIL TO BE USED SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.

PLANTING PREPARATION

12. BACKFILL: FOR PLANT EXCAVATIONS, BACKFILL SHALL BE CLEAN, NATURAL TOPSOIL, MIXED WITH AMENDMENTS AT THE RATIOS SPECIFIED BY A CERTIFIED TOPSOIL ANALYSIS.

PLANTING MATERIALS

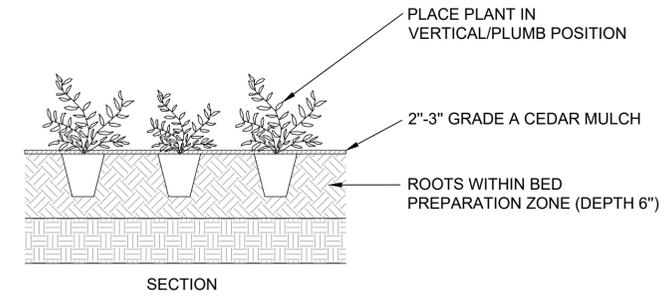
13. PLANT MATERIALS SHALL BE WELL FORMED AND DEVELOPED IN GOOD CONDITIONS, HEALTHY AND DISEASE-FREE, AND BE TYPICAL OF THE SPECIES. PLANTS SHALL COMPLY IN ALL APPLICABLE RESPECTS WITH ACCEPTABLE STANDARDS AS SET FORTH IN THE AMERICAN ASSOCIATION OF NURSERYMAN'S "AMERICAN STANDARD OF NURSERY STOCK". HEIGHT OF PLANT MATERIALS SHALL BE MEASURED FROM EXISTING SOIL LINE

AT TOP OF ROOTBALL TO TOP OF CROWN.

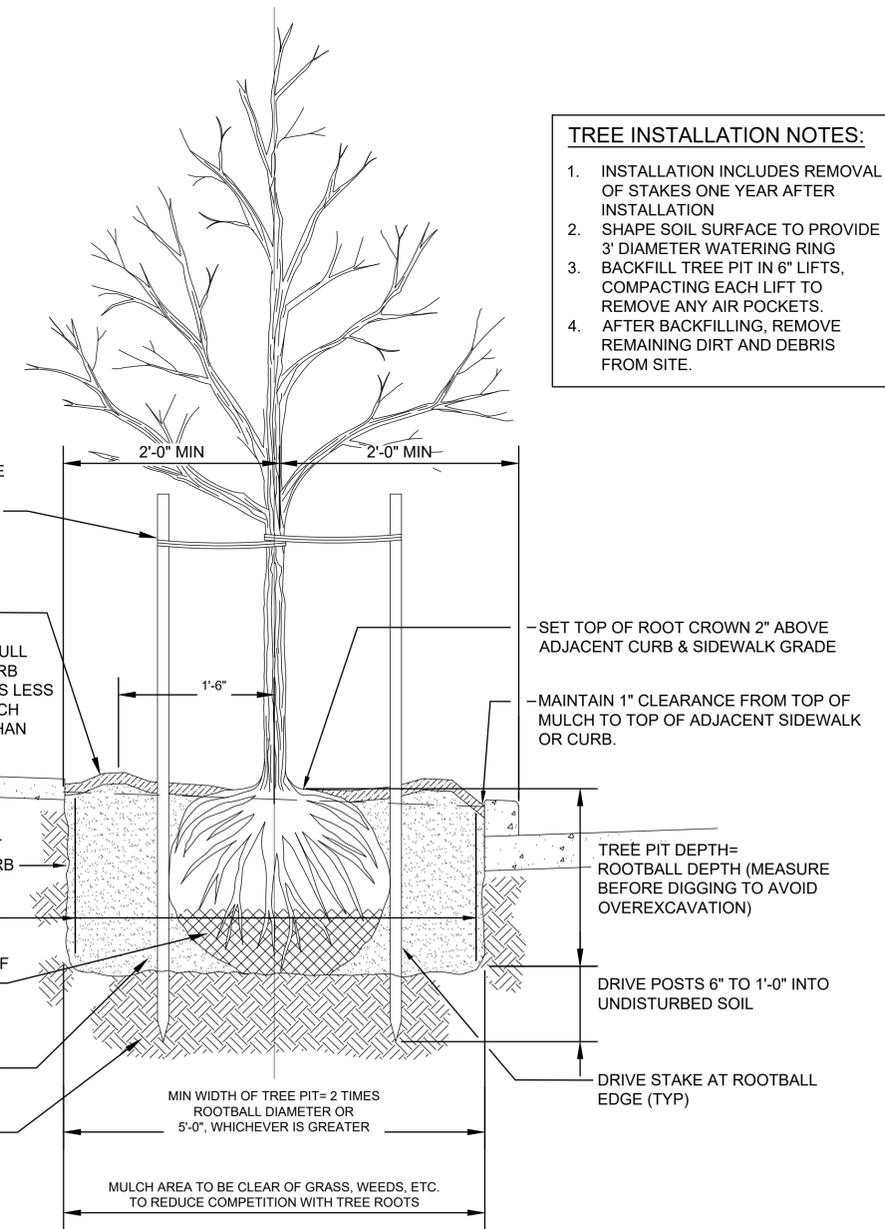
14. PLANT MATERIALS SHALL BE PROTECTED BY THE DRYING ACTION OF THE SUN AND WIND AFTER BEING DUG, WHILE BEING TRANSPORTED, AND WHILE AWAITING PLANTING. BALLS OF PLANTS WHICH CANNOT BE PLANTED IMMEDIATELY SHALL BE PROTECTED FROM DRYING ACTION BY COVERING THEM WITH MOIST MULCH. PERIODICALLY, APPLY WATER TO MULCH-COVERED ROOT BALLS TO KEEP MOIST. IF PLANTING SHOULD OCCUR DURING GROWING SEASON, APPLY ANTI-DESSICANT BEFORE TRANSPORT TO REDUCE THE LIKELIHOOD OF WIND BURN. REAPPLY ANTI-DESSICANT AFTER PLANTING TO REDUCE TRANSPIRATION.
15. PLANTS DESIGNATED "CONTAINER GROWN" SHALL HAVE BEEN GROWN IN POTS, CANS OR BOXES FOR A MINIMUM OF SIX MONTHS AND A MAXIMUM OF TWO YEARS. THESE PLANTS SHALL BE REMOVED FROM CONTAINERS BEFORE PLANTING. PLANTS THAT APPEAR ROOT-BOUND SHALL BE REJECTED.
16. PLANT LOCATIONS ARE APPROXIMATE. ADJUST AS NECESSARY TO AVOID CONFLICTS.
17. PLANT SUBSTITUTIONS WILL ONLY BE ALLOWED UNDER THE FOLLOWING CIRCUMSTANCES: LANDSCAPE CONTRACTOR SHALL SUBMIT A WRITTEN SUBSTITUTION REQUEST TO THE LANDSCAPE ARCHITECT STATING WHAT PLANTS TO BE SUBSTITUTED AND THE REQUESTED SUBSTITUTION PLANT ALONG WITH EXPLANATION OF SUBSTITUTION REQUEST. NO SUBSTITUTION SHALL CONSTITUTE AN INCREASE IN THE COST FROM THE ORIGINAL CONTRACT AMOUNT. ANY PLANT SUBSTITUTIONS MADE WITHOUT APPROVAL SHALL BE REPLACED BY THE LANDSCAPE CONTRACTOR AT THE TIME OF INSPECTION AT NO COST TO THE PROJECT.
18. PLANTING BEDS RECEIVING MULCH SHALL BE FREE OF WEEDS, GRASS AND DEBRIS. TREAT BEDS WITH A PRE-EMERGENT WITH TREFLAN, SUCH AS PREEN, PRIOR TO PLANTING AND MULCH PLACEMENT. A SECOND APPLICATION SHOULD BE APPLIED IF WEEDS EMERGE PRIOR TO COMPLETION OF WORK. APPLY IN ACCORDANCE WITH STANDARD TRADE PRACTICE AND MANUFACTURER'S PRODUCT LABELING.
19. SHRUBS SHALL BE PLANTED BETWEEN APRIL 15 - OCTOBER 15. TREES SHALL BE PLANTED BETWEEN OCTOBER 15 - DECEMBER 15 OR BETWEEN MARCH 15 - APRIL 15.
20. IF SOD IS NOT ABLE TO BE INSTALLED DUE TO POOR WEATHER OR TEMPERATURE LIMITS (PER SUPPLIER SPECIFICATIONS), TEMPORARY SEED AND 100% BIO-DEGRADABLE EROSION CONTROL BLANKET SHALL BE INSTALLED UNTIL SOD CAN BE INSTALLED.

MAINTENANCE AND CLEAN-UP

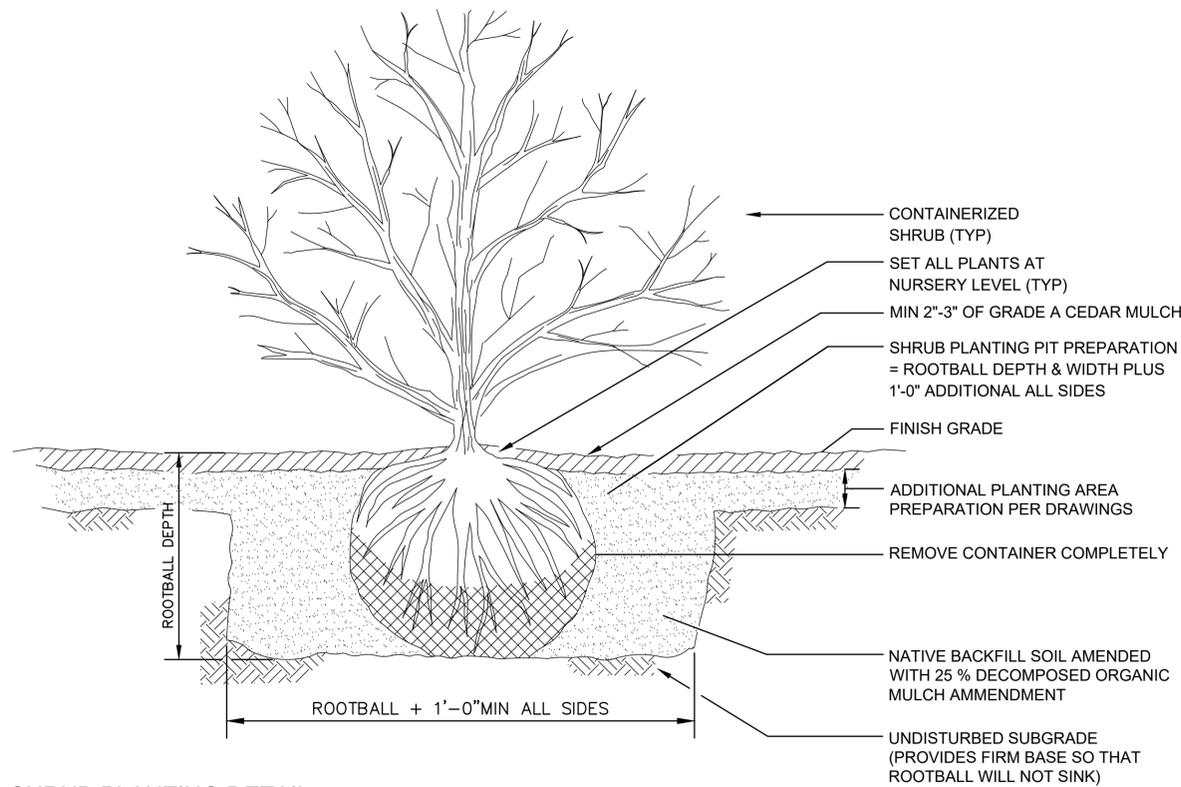
21. PROVIDE TEMPORARY WATER FOR PLANT MATERIALS DURING THE ESTABLISHMENT PERIOD. PLANTS MUST BE ACCEPTED BY CITY STAFF PRIOR TO ENDING WATERING OF PLANT MATERIALS.
22. REMOVE ALL RUBBISH, EQUIPMENT, AND MATERIAL AND LEAVE THE AREA IN A NEAT, CLEAN CONDITION EACH DAY. MAINTAIN PAVED AREAS UTILIZED FOR HAULING EQUIPMENT AND MATERIALS BY OTHER TRADES IN A CLEAN AND UNOBSTRUCTED CONDITION AT ALL TIMES.
23. REMOVE SOIL OR DIRT THAT HAS ACCUMULATED ON PAVED SURFACES DURING OR AS A RESULT OF PLANTING OPERATIONS EACH DAY.
24. FERTILIZE ALL PLANTS WITH A 10-20-10 COMMERCIAL, SLOW-RELEASE FERTILIZER AS DIRECTED BY INSTRUCTIONS ON PRODUCT LABEL.
25. LIMIT AMOUNT OF PRUNING TO A MINIMUM NECESSARY TO REMOVE DEAD OR INJURED TWIGS AND BRANCHES. PRUNE IN SUCH A MANNER AS NOT TO CHANGE NATURAL HABIT OR SHAPE OF PLANT. MAKE CUTS FLUSH, LEAVING NO STUBS. CENTRAL LEADERS SHALL NOT BE REMOVED.
26. LANDSCAPE CONTRACTOR TO REMOVE ALL DEAD WOOD ON TREES AND SHRUBS ONE YEAR AFTER PROVISIONAL ACCEPTANCE.
27. CONTRACTOR IS RESPONSIBLE TO MOW ALL SEEDED AND SODDED AREAS (INCLUDING TEMPORARY SEEDING AREAS) WITHIN THE CONSTRUCTION ZONE (NEW OR EXISTING) A MINIMUM OF TWO (2) TIMES AT A HEIGHT OF NO MORE THAN 1-1/2" PRIOR TO TURNING OVER TO THE CITY. MOWING SHALL FOLLOW PART 900 OF THE CITY OF WICHITA SPECIFICATIONS.



1 GROUNDCOVER PLANTING DETAIL
SCALE: NONE



- TREE INSTALLATION NOTES:**
1. INSTALLATION INCLUDES REMOVAL OF STAKES ONE YEAR AFTER INSTALLATION
 2. SHAPE SOIL SURFACE TO PROVIDE 3' DIAMETER WATERING RING
 3. BACKFILL TREE PIT IN 6" LIFTS, COMPACTING EACH LIFT TO REMOVE ANY AIR POCKETS.
 4. AFTER BACKFILLING, REMOVE REMAINING DIRT AND DEBRIS FROM SITE.



2 SHRUB PLANTING DETAIL
SCALE: NONE

3 DECIDUOUS TREE PLANTING DETAIL
SCALE: NONE



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REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
DEPT. OF PARK & RECREATION
WICHITA, KANSAS
Eng # 482-11091
OJ WATSON PARK
CONCESSIONS BUILDING
LANDSCAPE IMPROVEMENTS

LANDSCAPE NOTES AND DETAILS

JOB NO.: 2500484
DATE: AUG 2025
DESIGNED BY: BDT
DRAWN BY: CES

BAR IS ONE INCH ON ORIGINAL DRAWING
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DRAWING NUMBER
L-501

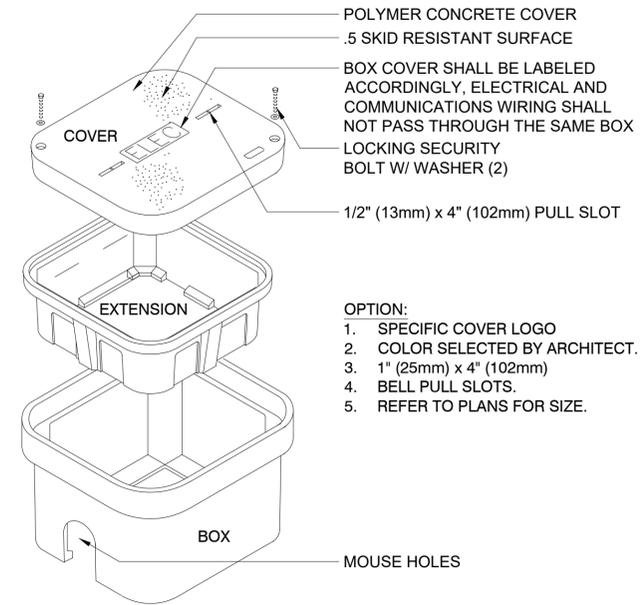
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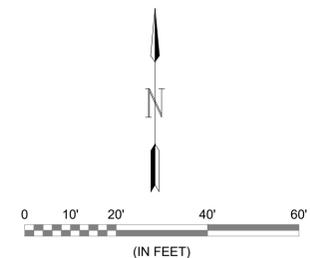
A SITE ELECTRICAL PLAN
 SCALE: 1" = 20'



B ELECTRICAL HANDHOLE DETAIL
 SCALE: NONE



C ELECTRICAL HANDHOLES
 SCALE: NONE



ELECTRICAL NOTES

1. REMOVE EXISTING LIGHT POLE AND FOOTING. REMOVE CONDUCTORS BACK TO NEAREST SITE POLE. CAP CONDUIT AND ABANDON IN PLACE. REFER TO SITE CIVIL PLAN FOR ADDITIONAL INFORMATION.
2. CONFIRM SPLICING IN EXISTING HANDHOLES WORKS PROPERLY PRIOR TO DEMOLITION. NOTIFY ENGINEER OF INCORRECT SPLICING OR WATER LEAKAGE PRIOR TO DEMOLITION.
3. REMOVE EXISTING HANDHOLES AND CONCRETE ENCASEMENTS. PROTECT IN PLACE EXISTING SPLICES, CONDUCTOR, AND CONDUIT STUB-UP'S.
4. CONFIRM 12" OF GRAVEL BED BENEATH HANDHOLES LOCATIONS. ADD ADDITIONAL GRAVEL AS NECESSARY.
5. INSTALL NEW OPEN BOTTOM 24"x36"x18" POLYMER CONCRETE HANDHOLES EQUAL TO QUAZITE PG2436BB18 WITH CONCRETE ENCASEMENT SURROUNDING HANDHOLE. COORDINATE WITH CIVIL DRAWINGS FOR CONCRETE ENCASEMENT.

LEGEND

⊗ REMOVE EXISTING LIGHT POST



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 Eng # 482-11091
 OJ WATSON PARK
 CONCESSIONS BUILDING
 LANDSCAPE IMPROVEMENTS

SITE ELECTRICAL PLAN

JOB NO.: 2500484
 DATE: AUG 2025
 DESIGNED BY: WPM
 DRAWN BY: DRA

BAR IS ONE INCH ON ORIGINAL DRAWING
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DRAWING NUMBER
E-101

SHEET NUMBER