PARKING LOT IMPROVEMENTS

LOCATED EAST OF OHIO STREET
BETWEEN 35TH St. NO. & 37TH St. NO.
WICHITA, KANSAS
PROJECT NO.: 472 83738 (785039),
PARKS AND RECREATION DEPARTMENT
CITY OF WICHITA, KANSAS
NEIL CABLE, P.E., CITY ENGINEER
APRIL 2003

INDEX OF SHEETS

1. Title Sheet
2. Site Survey
3. Site Plan and Details
4. Site Grading Plan
5. Area Inlet Details
6. Standard Drive Entrances
7. Pavement Marking Plan and Details
8. Irrigation Sleeve Layout Plan
9. Soil Erosion BMPS Commercial Development Site
10. Soil Erosion BMP Details
11. Soil Erosion BMP Details

SURVEY CONTROL MONUMENTS

M #1	N 4950.00 E 5000.46	1/2" Iron Pipe in Thimble (found) at NE Cor. W 1/2,NE 1/4, Sec. 33, T-26-S, R-1-E
CM #2	N 4195.94 E 5007.51	#4" Rebar W/ "Baughman" Cap (set) NE Cor. Lot 1, Block 2 Bridgeport 3rd Industrial
CM #3	N 4198.55 E 4380.89	#4" Rebar W/ "Baughman" Cap (set) NW Cor. Lot 1, Block 2 Bridgeport 3rd Industrial
CM #4	N 3678.57 E 4385.42	#4" Rebar W/ "Baughman" Cap (set) SW Cor. Lot 1, Block 2 Bridgeport 3rd Industrial
CM #5	N 3675.96 E 5012.38	1 1/4" Iron Pipe (found) SE Cor. Lot 1, Block 2 Bridgeport 3rd Industrial
CONSTRUCTION CONTROL POINTS		
CP #1	N 4179.44 E 4521.84	NE Corner of Proposed Parking Lot
CP #2	N 4178.50 E 4413.84	NW Corner of Proposed Parking Lot
CP #3	N 3698.51 E 4418.02	SW Corner of Proposed Parking Lot
CP #4	N 3699.45 E 4526.02	SE Corner of Proposed Parking Lot

GENERAL NOTES

1. ALL ELEVATIONS SHOWN ARE BASED ON CITY OF WICHITA DATUM. (USGS-1187.4= CITY DATUM)

2. INTERURBAN TRAFFIC GENERATED OUTSIDE THE PROJECT AREA IS NOT TO BE CARRIED THROUGH CONSTRUCTION. LOCAL RESIDENTIAL TRAFFIC GENERATED WITHIN THE PROJECT AREA IS TO BE CARRIED THROUGH CONSTRUCTION AS FURTHER PROMULGATED BY PROJECT SPECIAL PROVISIONS.

3. UTILITY SERVICE LINES, POLES, VALVE BOXES, METERS, ECT. ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR OR UNLESS THE PLANS SPECIFICALLY IDENTIFY A UTILITY TO BE ADJUSTED BY ITS OWNER DURING CONSTRUCTION. EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. THE PLAN LOCATIONS ARE NOT GUARANTEED AND ADDITIONAL UTILITIES MAY ALSO BE ENCOUNTERED. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.

4. RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR. THESE SITES SHALL BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE, AND SITE LOCATION. LOCATIONS, THAT IN THE OPINION OF THE ENGINEER, WILL LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED.

ALL DISPOSAL SITES MUST BE APPROVED BY THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT. MATERIAL EITHER STOCKPILED OR DISPOSED OF IN A FLOODPLAIN WOULD REQUIRE A KANSAS STATE BOARD OF AGRICULTURE PERMIT. ANY MATERIALS DUMPED IN WATERS OF THE UNITED STATE OR WETLANDS IS SUBJECT TO U.S. CORPS OF ENGINEERS PERMITTING REGULATIONS. ANY MATERIAL BURIED OR STOCKPILED BEYOND APPROVED CONSTRUCTION LIMITS WOULD REQUIRE ADDITIONAL ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.

5. CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF FORTY-EIGHT(48)HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:

KANSAS ONE CALL — 1-800-344-7233 OR 687-2470(LOCAL WICHITA)

THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:

Cox Cable	262-4270 or 263-2061
Southwestern Bell Telephone	1-571-2611
Kansas Gas Service	832-3168
KG&E-Electric	268-4555
Peoples Natural Gas	942-8811
City of Wichita(Water & Sewer)	268-4555

THE CONTRACTOR SHALL NOTIFY PIPELINE COMPANIES AT LEAST 24 HOURS IN ADVANCE OF ANY WORK BEING PERFORMED ACROSS AND/OR ADJACENT TO PIPELINES.

6. TREES AND SHRUBS IN PUBLIC RIGHT-OF-WAY WHICH ARE IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR WITH THE ENGINEERS APPROVAL. TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE SAVED AND PROTECTED FROM DAMAGE.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR WILL BE REQUIRED TO REESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE REESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.

8. THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF DEVELOPED PROPERTY DIRECTLY ABUTTING THE CONSTRUCTION OF THIS PROJECT A MINIMUM OF TEN(10) DAYS ADVANCE NOTICE PRIOR TO START OF CONSTRUCTION.

9. THE WATER DEPARTMENT SHALL FIELD LOCATE WATER VALVES ONE TIME DURING CONSTRUCTION WHEN REQUESTED BY THE CONTRACTOR. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PRESERVE SUCH FIELD LOCATIONS DURING THE CONSTRUCTION PROCESS. WATER VALVES, WATER VALVE BOXES, OR FIRE HYDRANTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.

10. THE CONTRACTOR MUST EXAMINE THE CONSTRUCTION SITE PRIOR TO BIDDING AND BE SATISFIED AS TO THE WORK SHOWN FOR COMPLETION. AFTER BIDS HAVE BEEN RECEIVED, THE CONTRACTOR SHALL NOT ASSERT THAT THERE WAS A MISUNDERSTANDING OF THE QUANTITIES OF WORK OR OF THE NATURE FOR THE WORK TO BE COMPLETED.

11. CONTRACTOR SHALL NOT START WORK ON THE PROJECT UNTIL THE PROJECT INSPECTOR IS ASSIGNED TO THE PROJECT AND IS PRESENT ON THE SITE. ANY WORK DONE WITHOUT INSPECTION WILL BE REQUIRED TO BE UNCOVERED FOR INSPECTION.

12. UPON COMPLETION OF PAVING THE CONTRACTOR SHALL BACKFILL WITH COMPACTED TOPSOIL, FERTILIZE, SEED, AND MULCH ALL AREAS WHICH ARE DISTURBED AS A RESULT OF THIS PROJECT. FLYASH TRIMMINGS WILL NOT BE PERMITTED TO BE USED AS BACKFILL. ALL COST TO BE SUBSIDIARY TO "SITE RESTORATION".

13. THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH THE CURRENT ADDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) TO ENSURE A SAFE WORK ZONE FOR THE TRAVELING PUBLIC.

14. PAVEMENT REMOVAL AND/OR REPLACEMENT WILL BE MEASURED AND PAID FOR ON THE SQUARE FOOT BASIS REGARDLESS OF PAVEMENT TYPE AND/OR PAVEMENT THICKNESS. MINIMUM LIMITS OF SUCH PAVEMENT REMOVAL AND REPLACEMENT SHALL BE ONE FOOT BEYOND THE LIMITS OF EXCAVATION MADE FOR THE SEWER OR THE STRUCTURE, EXCEPT WHEN SUCH LIMITS OF REMOVAL ARE WITHIN THREE(3) FEET OF AN EXISTING JOINT. REMOVAL AND REPLACEMENT OF EXISTING PAVEMENT SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE CITY OF WICHITA STANDARD SPECIFICATIONS.

15. ALL DRIVEWAY ENTRANCE AND CROSS ROAD PIPE WITHIN THE PROJECT LIMITS SHALL BE REMOVED BY THE CONTRACTOR UNLESS OTHERWISE NOTED ON THE PLANS. REMOVAL OF SUCH PIPES SHALL CONFORM TO THE APPLICABLE SECTION OF THE STANDARD SPECIFICATIONS.

16. ALL FENCE LOCATED WITHIN THE RIGHT-OF-WAY WILL BE REMOVED AND SALVAGED BY THE CONTRACTOR. ALL MATERIALS SHALL BE SALVAGED FOR THE PROPERTY OWNER. FENCE OUTSIDE THE RIGHT-OF-WAY WHICH IS REMOVED FOR CONSTRUCTION SHALL BE REPAIRED IN A CONDITION EQUAL TO OR BETTER THAN THE ORIGINAL, AT NO ADDITIONAL COST TO THE OWNER, UNLESS OTHERWISE SPECIFIED ON THE PLANS. MATERIALS NOT SALVAGED BY THE PROPERTY OWNER SHALL BE DISPOSED OF BY THE CONTRACTOR.

17. CONTRACTOR SHALL GIVE PROPERTY OWNERS ABUTTING THIS PROJECT, WHOSE YARDS WILL BE LOWER THAN THE NEW FINISHED GRADE ELEVATION AT THE RIGHT-OF-WAY LINE, AN OPPORTUNITY TO UTILIZE EXCESS EXCAVATED MATERIAL FROM THE PROJECT TO REGRADE THEIR YARDS TO DRAIN TO THE NEW PAVEMENT. CONTRACTOR WILL BE REQUIRED TO DUMP AND SPREAD THE EXCESS MATERIAL AS REQUIRED BY THE SPECIFICATIONS WHEN REQUESTED BY THE PROPERTY OWNER. THE CONTRACTOR SHALL ASCERTAIN THAT A DIRT ORDER HAS BEEN PROPERLY EXECUTED BY THE PROPERTY OWNER BEFORE ANY SUCH EXCESS MATERIAL IS DELIVERED TO SUCH PROPERTIES.

18. THE CONTRACTOR SHALL ADJUST SANITARY SEWER MANHOLES AND STORM SEWER MANHOLES FOR ELEVATION AND SLOPE AS REQUIRED TO FIT PROPOSED FINISH GRADES.

19. THE CITY OF WICHITA'S DEPARTMENT OF OPERATIONS AND MAINTENANCE WILL REMOVE AND REPLACE EXISTING STREET SIGNING AT THE BEGINNING AND END OF CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE HIS ACTIVITIES WITH THE DEPARTMENT OF OPERATIONS AND MAINTENANCE FOR TEMPORARY TRAFFIC SIGNALIZATION AND REMOVAL OF INSTALLATION OF STREET SIGNING.

20. ALL CONSTRUCTION AND MATERIALS, UNLESS OTHERWISE NOTED, TO COMPLY WITH CITY OF WICHITA SPECIFICATIONS AND STANDARDS.

21. THE COST OF CONCRETE DRIVEWAY REMOVAL SHALL INCLUDE A SAW CUT OF A MINIMUM DEPTH OF ONE FOURTH OF THE PAVEMENT THICKNESS. THE SAW CUT SHALL BE AT THE PROPERTY LINE OR THE NEAREST JOINT. THE EXACT LOCATION SHALL BE DETERMINED BY THE FIELD ENGINEER.

SITE GRADING NOTES

1. PAVEMENT GRADES SHOWN ARE TO THE TOP OF PAVEMENT.

2. EXISTING ELEVATIONS WERE PROVIDED BY OTHERS. CONTRACTOR SHALL VERIFY EXISTING GRADES AND NOTIFY ENGINEER OF ANY DISCREPANCIES. ELEVATIONS ARE BASED ON CITY DATUM.

3. CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND PROTECTING BENCHMARKS THROUGHOUT CONSTRUCTION.

4. CONTRACTOR SHALL STRIP SITE OF TOPSOIL(6" MIN.) AND STOCKPILE THIS MATERIAL TO BE USED IN GRASSED AREAS.

5. CURB AT EAST SIDE OF PARKING LOT AND ALL LANDSCAPE ISLANDS ARE CITY OF WICHITA STANDARD COMBINED CURB & GUTTER.

6. COMPACTION OF FILL MATERIAL AND SUBGRADE STABILIZATION SHALL COMPLY WITH GEOTECHNICAL ENGINEERING REPORT.

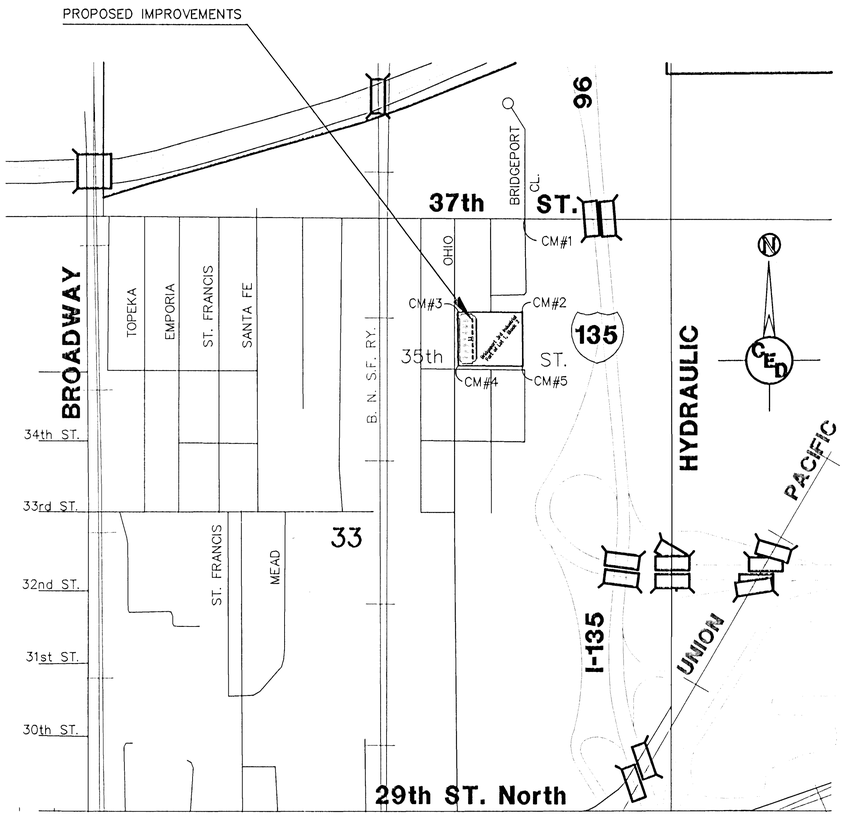
7. FLYASH TREATED SUBGRADE: FLYASH COMPUTED AT 67.5 LBS per S.Y. WATER FOR FLYASH STABILIZATION IS SUBSIDIARY TO "MANIPULATION FOR FLYASH MODIFIED SUBGRADE".

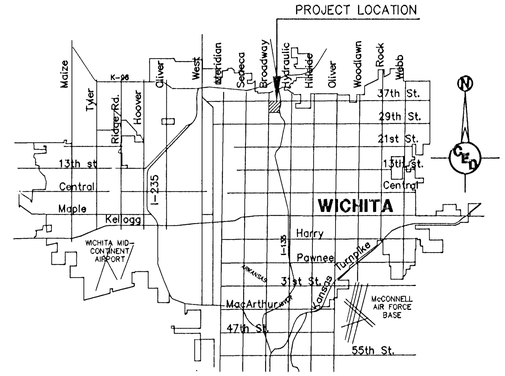
IF THE SUBGRADE WARRANTS ALTERNATIVE TYPES OF STABILIZATION SUCH AS LIME TREATMENT, THE TOTAL COST FOR EACH OF THE STABILIZATION ITEMS SHALL NOT EXCEED THE TOTAL PRICE BID FOR THE FLYASH STABILIZATION. THE LIME OR ALTERNATE SHALL BE APPLIED AT A RATE PRESCRIBED BY THE ENGINEER. NO ADJUSTMENT WILL BE MADE IN THE UNIT PRICE BID FOR FLYASH OR ALTERNATE DUE TO OVERRUNS OR UNDERRUNS.

IF UNSUITABLE MATERIAL IS ENCOUNTERED, IT SHALL BE EXCAVATED AS DIRECTED BY THE ENGINEER AND REPLACED WITH SELECT MATERIAL. THE SELECT MATERIAL SHALL HAVE COMPACTION REQUIREMENT OF 95% STANDARD DENSITY. THIS WORK SHALL BE SUBSIDIARY TO "MANIPULATION FOR FLYASH MODIFIED SUBGRADE".

8. ALL SOIL USED FOR OVEREXCAVATION AND FOR BACKFILLING OF EXCAVATIONS SHALL BE TESTED FOR 95% STANDARD DENSITY COMPACTION AS REQUIRED BY AN INDEPENDENT SOILS ENGINEER'S RECOMMENDATIONS.

9. ALL PROPOSED SLOPES AND GRADES SHALL BE IN ACCORDANCE WITH ADA SEC. 4.1.3(8)(A)(II).





LOCATION MAP

PROJECT LOCATED IN THE
N. COR., W 1/2, N.E. 1/4, SEC. 33, T-26-S, R.1E.
Lot 1, Block 2, BRIDGEPORT 3RD INDUSTRIAL
SEDGWICK COUNTY, KANSAS

EARTHWORK SUMMARY

EXCAVATION	398	C.Y.
BORROW EXCAVATION (CONTRACTOR FURNISHED)	3,396	C.Y.
COMPACTED FILL (95% STD. DENSITY	4,452	C.Y.

ON SITE BENCHMARK #1: BM#1
Top of Rim - Sanitary Sewer Manhole along Ohio Street. N 3991.30 4387.90
Elev.=132.87 (Per Survey)
ON SITE BENCHMARK #2: BM#2
Top of Rim - Sanitary Sewer Manhole along Ohio Street. N 3668.53 E 4390.53
Elev.=131.88 (Per Survey)

HARLAN DALE FORAKER LICENSED 10891 PROFESSIONAL ENGINEER KANSAS
4.30.03

Revisions by City of Wichita 8/14/03

C.O.W. PROJ. NO.: 472 83738 (785039)

CERTIFIED ENGINEERING DESIGN, P.A.
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WICHITA, KANSAS 67203
PH: (316) 262-8808
FAX: (316) 262-1669

SHEET 1 TOTAL 11