SHEET NO.	TOTAL SHEETS
1	60

CITY OF WICHITA, KANSAS

MICHAEL E. LINDEBAK, P.E., CITY ENGINEER

STREET IMPROVEMENTS

CHAPEL HILL/CRESTWOOD/BEDFORD/SUMMERFIELD LOOP STREET FROM THE NORTH LINE OF 13TH STREET NORTH TO SUMMERFIELD; SUMMERFIELD FROM THE WEST LINE OF THE CHAPEL HILL/SUMMERFIELD LOOP TO THE WEST PROPERTY LINE
SIDEWALK - EAST SIDE OF CHAPEL HILL FROM 13TH STREET NORTH TO THE NORTH LINE OF LOT 1, BLOCK 1, ON BOTH SIDES OF CHAPEL HILL NORTH OF LOT 1, BLOCK 1 AND THE CRESTWOOD/BEDFORD/SUMMERFIELD LOOP, AND THE NORTH SIDE OF SUMMERFIELD FROM THE WEST SIDE OF THE CHAPEL HILL/CRESTWOOD BEDFORD/SUMMERFIELD LOOP TO THE WEST PROPERTY LINE

IN

CHAPEL HILL ADDITION

CITY OF WICHITA PROJECT NO. 472-76-245-83077-000-000-001

OCA NO. 765739

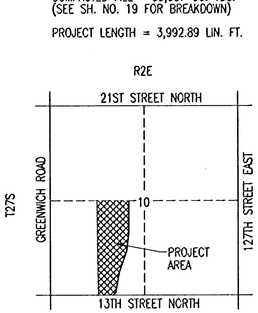
INDEX OF SHEETS

1. TITLE SHEET
2 PLAT
3. TYPICAL SECTION
4.-7. PAVING PLAN - CHAPEL HILL
8. PAVING PLAN - CHAPEL HILL/CRESTWOOD
9. PAVING PLAN - CRESTWOOD/BEDFORD
10. PAVING PLAN - BEDFORD/SUMMERFIELD
11. PAVING PLAN - SUMMERFIELD/CHAPEL HILL
12. PAVING PLAN - SUMMERFIELD
13. PLAN AND PROFILE - SWS LINE NO. 1
14. PLAN AND PROFILE - SWS LINE NO. 2
15. PLAN AND PROFILE - SWS LINE NO. 3
16. PLAN AND PROFILE - SWS LINE NO. 4
17. EMERGENCY ACCESS ROAD
18. POND GRADING PLAN
19. FOUR CORNER GRADING PLAN
20. MISCELLANEOUS PAVING DETAILS
21. MISCELLANEOUS DRAINAGE DETAILS
22. RESERVE "A" GRADING PLAN
23. CHAPEL HILL ENTRANCE DETAILS
24. VALLEY GUTTER PLANS
25. VALLEY GUTTER DETAILS
26. STD. SHALLOW TYPE "B" MANHOLE DETAILS
27. TYPE C INLET DETAILS
28. STD. TYPE 1A CURB INLET DETAILS (L=6'-4")
29. STD. TYPE 1A CURB INLET DETAILS (L=11'-4")
30. MANHOLE FRAME AND COVER DETAILS
31. STD. DRIVE ENTRANCES
32.-35. EROSION CONTROL DETAILS
36. SIGNING DETAILS
37.-60. CROSS SECTIONS

EARTHWORK

EXCAVATION 58,080 CU. YDS.
COMPACTED FILL 39,087 CU. YDS.
(SEE SH. NO. 19 FOR BREAKDOWN)

PROJECT LENGTH = 3,992.89 LIN. FT.



VICINITY MAP

PROJECT SURVEY CONTROL

BM "J" -DATUM. CHISELED "J" AT THE WEST END OF THE CONCRETE MEDIAN ON THE ℄ OF 13TH STREET NORTH, AND THE WEST SIDE OF K96 HIGHWAY.
ELEV. = 203.39

BM "X" -"T" POST, 0.5' BELOW GRADE, ON THE WEST LINE OF THE PLAT, NEAR THE SOUTHWEST CORNER OF LOT 8, BLOCK 2, CHAPEL HILL ADDITION.
ELEV. = 172.86

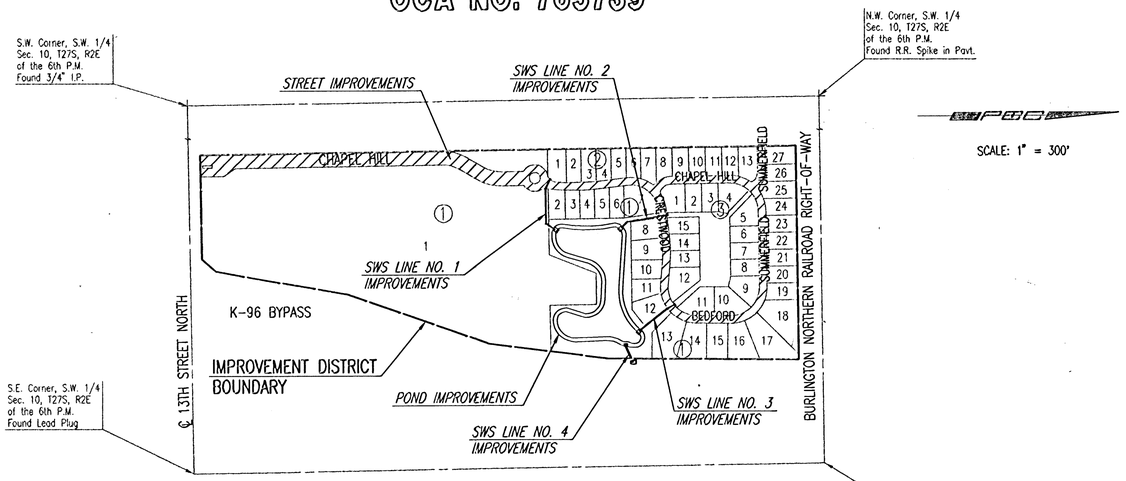
BM "Y" -RAILROAD SPIKE IN THE SOUTH FACE OF A 10" COTTONWOOD TREE, ON THE SOUTH SIDE OF THE RAILROAD TRACKS, NORTH SIDE OF LOT 20, BLOCK 1, CHAPEL HILL ADDITION AND 60' EAST OF 18" CMP UNDER THE RAILROAD TRACKS.
ELEV. = 177.14

BM "Z" -CHISELED "J" ON NORTHEAST CORNER OF HEADWALL RCBC UNDER K-96 HIGHWAY, EAST OF WEST RIGHT-OF-WAY FENCE AND 70' SOUTHEAST OF SOUTHEAST CORNER OF LOT 13, BLOCK 1, CHAPEL HILL ADDITION.
ELEV. = 171.34

SUBDIVISION BENCH MARKS (SBM)

NO.	STREET AND STATION	FROM ℄	DESCRIPTION	ELEVATION
1	CHAPEL HILL, STA. 22+26	14' RT.	TOP OF CURB ON EAST SIDE OF CHAPEL HILL, 226' N. OF ℄ 13TH ST. N.	
2	CHAPEL HILL, STA. 28+00	14' RT.	TOP OF CURB ON EAST SIDE OF CHAPEL HILL, 600' N. OF ℄ 13TH ST. N.	
3	CHAPEL HILL, STA. 34+10	14' RT.	TOP OF CURB ON EAST SIDE OF CHAPEL HILL AT SOUTH END OF SOUTH ISLAND RETURN, 1411' N. OF 13TH ST. N.	
4	BEDFORD, STA. 45+35	14' RT.	TOP OF CURB ON SOUTH SIDE OF BEDFORD AT NORTH END EMERGENCY ACCESS ROAD ENTRANCE	
5	SUMMERFIELD, STA. 51+25	14' RT.	TOP OF CURB ON NORTH SIDE OF SUMMERFIELD, 289' EAST OF INTERSECTION SUMMERFIELD AND SUMMERFIELD	
6	CHAPEL HILL, STA. 58+25	14' LT.	TOP OF CURB AT NORTH END N.E. RETURN OF CHAPEL HILL AND CRESTWOOD.	

THE COST OF THE BENCH MARK DISC, INCLUDING INSTALLATION, SHALL BE INCIDENTAL TO THE CURB.



JUNE 2002

PLANS PREPARED BY

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS



GENERAL NOTES

UNDERGROUND UTILITY SERVICE LINES AND OVERHEAD UTILITY POLE LINES ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR. EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORD DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.

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

RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES SHALL BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR AND APPROVED AS NOTED BELOW.

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

CONTRACTOR SHALL SATISFY HIMSELF OF SURFACE AND SUBSURFACE CONDITIONS PRIOR TO BIDDING.

TEMPORARY SURFACING MATERIAL (ROCK, ASPHALT, ETC.) MAY HAVE BEEN PLACED WITHIN STREET RIGHTS-OF-WAY FOR HAUL ROADS AND TEMPORARY ACCESS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS TO DETERMINE EXTENT, IF ANY, OF SUCH SURFACING. CONTRACTOR SHALL REMOVE SAID TEMPORARY SURFACING IN THE SAME MANNER AS NOTED ABOVE FOR RUBBLE, THIS REMOVAL SHALL BE SUBSIDIARY TO "EXCAVATION".

CONTRACTOR SHALL PROVIDE A MINIMUM FORTY-EIGHT (48) HOUR ADVANCE NOTICE (EXCLUDING WEEKENDS AND HOLIDAYS) PRIOR TO BEGINNING ANY EXCAVATION, TO KANSAS ONE-CALL SYSTEM, A UTILITY LOCATION SERVICE, AT (316) 687-2470 TO REQUEST THE FOLLOWING UTILITY COMPANIES TO LOCATE ALL EXISTING LINES WITHIN THE PROJECT AREA: K.G.S. GAS, PEOPLES NATURAL GAS, WESTAR ENERGY, SOUTHWESTERN BELL TELEPHONE, COX COMMUNICATION, AND CITY OF WICHITA WATER DEPARTMENT.

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

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

THE CONTRACTOR SHALL ADJUST WATER VALVE BOXES AS DIRECTED BY THE ENGINEER. THIS WORK TO BE SUBSIDIARY TO OTHER BID ITEMS.

INLET HOOKUPS SHALL BE BID PER EACH REGARDLESS OF INLET SIZE.

NO MORE THAN 2 DRIVES 45 FEET IN WIDTH, OR EQUIVALENT COMBINATIONS THEREOF, ARE TO BE CONSTRUCTED WITH THIS PROJECT.

CONTRACTOR SHALL OBTAIN "STORM WATER POLLUTION PREVENTION PLAN (SWPPP) REQUIREMENTS FROM THE OWNERS REPRESENTATIVE MR. STEVE JACOBS (316) 685-3955 PRIOR TO BEGINNING CONSTRUCTION AND COMPLY WITH SAID SWPPP.

CONTRACTOR SHALL SEED, FERTILIZE AND MULCH POND ABOVE STATIC POOL (ELEV. 171.6) AND ADJACENT UTILITY EASEMENT WITH PERMENANT SEEDING PER CITY SPECIFICATIONS.

CONTRACTOR SHALL TEMPORARY SEED ALL AREAS DISTURBED BY HIS OPERATIONS, EXCEPT AREAS PERMENANTLY SEEDED, WITH SEED AND MULCH AT THE RATES SHOWN IN CITY SPECIFICATIONS.

EROSION CONTROL (BMP'S). THE CONTRACTOR SHALL INSTALL AND/OR MAINTAIN EROSION CONTROL METHODS AS SPECIFIED ON SHEET 32. THE FOLLOWING QUANTITIES ARE ESTIMATED AND SHALL BE CONSIDERED THE MINIMUM EFFORT REQUIRED. INSTALLATION OF THESE BMP'S DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF ABATING SOIL EROSION.

SILT FENCE BARRIER	8,560 L.F.
DITCH CHECK	2 EACH
CONSTRUCTION ENTRANCE	1 EACH
INLET PROTECTION	6 EACH
BACK OF CURB PROTECTION	8,307 L.F.

EXISTING MONITORING WELLS WITHIN CHAPEL HILL ADDITION MAY BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL ABANDON SUCH WELLS IN ACCORDANCE WITH THE DIVISION OF WATER RESOURCES "KANSAS GROUNDWATER EXPLORATION AND PROTECTION ACT-WATER WELL CONSTRUCTION AND ABANDONMENT". ALL COSTS FOR THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO THE LUMP SUM PRICE BID FOR "SITE CLEARING".

DSNR: GDD OPER: DEP SCALE: 1=300.00
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