

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

INDEX OF SHEETS

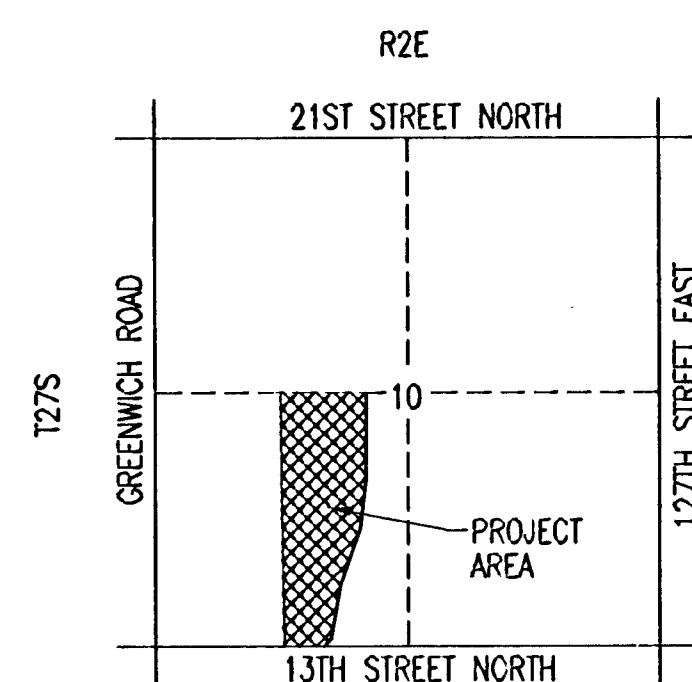
1. TITLE SHEET
2. PLAT
3. TYPICAL SECTION
- 4.-7. PAVING PLAN - CHAPEL HILL
8. PAVING PLAN - CHAPEL HILL/CRESTWOOD
9. PAVING PLAN - CRESTWOOD/BEDFORD
10. PAVING PLAN - BEDFORD/SUMMERFIELD
11. PAVING PLAN - SUMMERFIELD/CHAPEL HILL
12. PLAN AND PROFILE - SWS LINE NO. 1
13. PLAN AND PROFILE - SWS LINE NO.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

PROJECT SURVEY CONTROL

- BM "J" - DATUM, CHISELED "J" AT THE WEST END OF THE CONCRETE MEDIAN ON
THE E OF 13TH STREET NORTH, AND THE WEST SIDE OF K-96 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

EARTHWORK

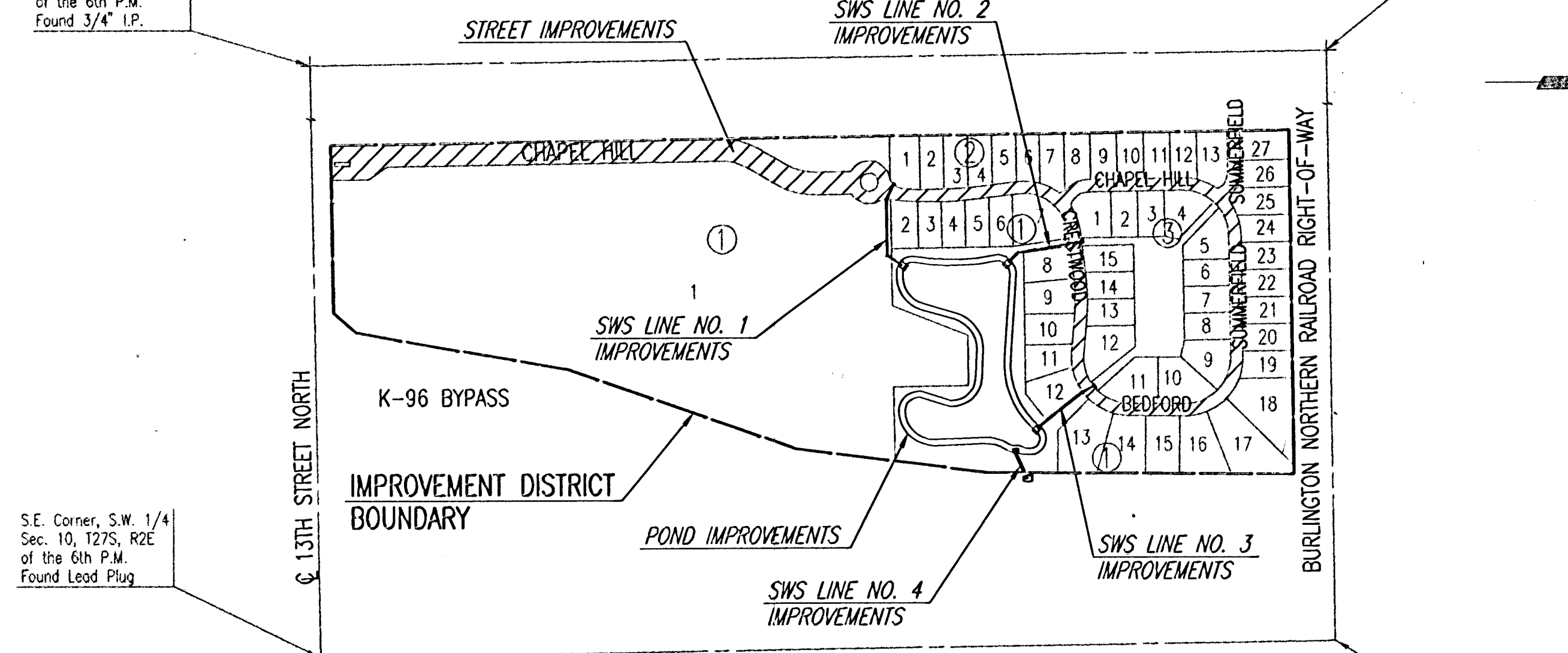
EXCAVATION 58,080 CU. YDS.
COMPACTED FILL 39,087 CU. YDS.
(SEE SH. NO. 19 FOR BREAKDOWN)
PROJECT LENGTH = 3,992.89 LIN. FT.



VICINITY MAP

S.W. Corner, S.W. 1/4
Sec. 10, T27S, R2E
of the 6th P.M.
Found 3/4" I.P.

S.E. Corner, S.W. 1/4
Sec. 10, T27S, R2E
of the 6th P.M.
Found Lead Plug



N.W. Corner, S.W. 1/4
Sec. 10, T27S, R2E
of the 6th P.M.
Found R.R. Spike in Pavt.

N.E. Corner, S.W. 1/4
Sec. 10, T27S, R2E
of the 6th P.M.
Found 3/4" I.P. in
center of Split Stone

SCALE: 1" = 300'

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
ARCHAEOLOGICAL 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-FOUR (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 PERMANENT SEEDING PER CITY SPECIFICATIONS.

CONTRACTOR SHALL TEMPORARILY SEED ALL AREAS DISTURBED BY HIS OPERATIONS, EXCEPT AREAS
PERMANENTLY SEEDDED, 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.

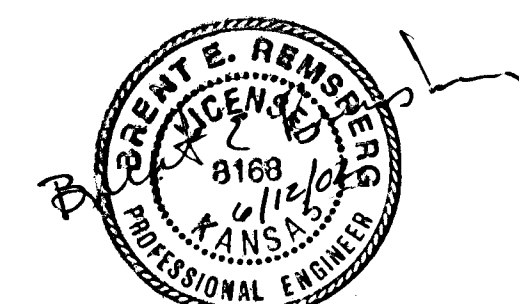
SILT FENCE BARRIER	8,560 L.F.
DITCH CHECK	2 EACH
CONSTRUCTION ENTRANCE	1 EACH
INLET PROTECTION	8 EACH
BACK OF CURB PROTECTION	8,307 L.F.

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".

JUNE 2002

PLANS PREPARED BY

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



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 E 13TH ST. N.	
2	CHAPEL HILL, STA. 28+00	14' RT.	TOP OF CURB ON EAST SIDE OF CHAPEL HILL, 600' N. OF E 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.