

CITY OF WICHITA, KANSAS  
MICHAEL E. LINDEBAK, P.E., CITY ENGINEER  
STREET IMPROVEMENTS

| SHEET NO. | TOTAL SHEETS |
|-----------|--------------|
| 1         | 8            |

29TH STREET NORTH - FROM THE E.L. OF OAK RIDGE ADDITION TO THE  
W.L. OF TOPAZ CIRCLE

INDEX OF SHEETS

1. TITLE SHEET
2. PLAT
3. TYPICAL SECTIONS
4. PAVING PLAN - 29TH ST. N.
5. MISCELLANEOUS DETAILS
- 6-8. CROSS SECTIONS

CITY OF WICHITA PROJECT NO. 472-76-245-82663-000-000-001  
INDEX NO. 763540

PROJECT SURVEY CONTROL

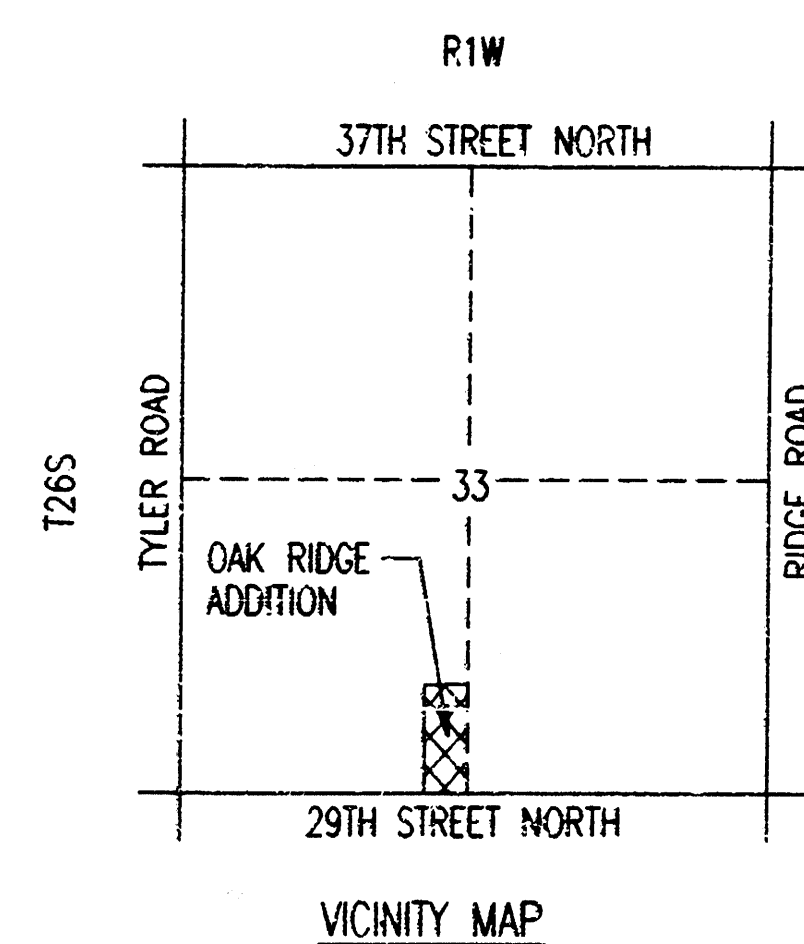
- B.M. - CITY DISC AT N.W. CORNER SOIL SAVER, WEST SIDE ROB  
AT 29TH STREET NORTH AND TEE TIME. ELEV.=142.22
- B.M. - CITY DISC IN CONCRETE, 23' NORTH OF SOUTH 1/4 CORNER  
SEC. 33, T26S, R1W, NORTH SIDE 29TH STREET NORTH,  
1/2 MILE WEST OF RIDGE ROAD. ELEV.=152.15\*
- B.M. - RAILROAD SPIKE IN NORTH FACE 15' ELM. 100' WEST OF  
SOUTH 1/4 CORNER SEC. 33, T26S, R1W, SOUTH SIDE  
29TH STREET NORTH, 1/2 MILE WEST OF RIDGE ROAD. ELEV.=155.98

\* THIS B.M. IS SUBJECT TO REMOVAL BY WATER CONTRACTOR  
PRIOR TO THIS PROJECT AND BEING RESET OR REPLACED  
BY CITY OF WICHITA FORCES. CONTACT WIRE STAMP, E.L.T.  
AT (316) 268-4043.

EARTHWORK

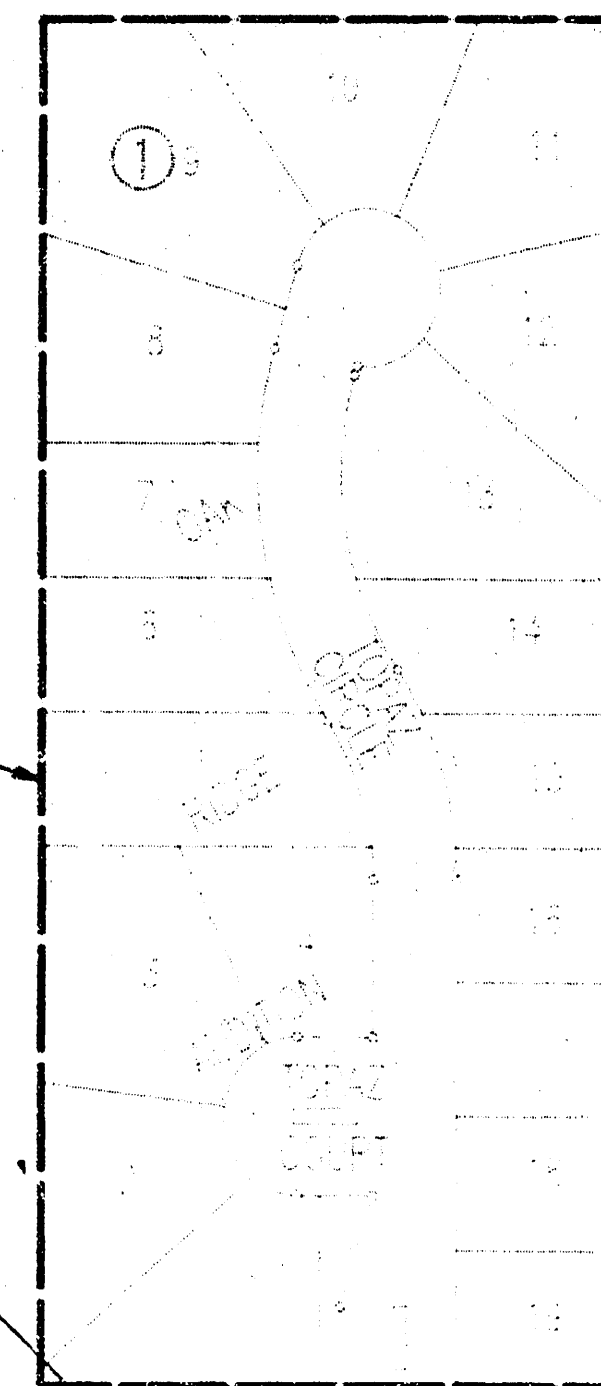
EXCAVATION 0 CU. YDS. #  
COMPACTED FILL 0 CU. YDS.  
PROJECT LENGTH = 400.00 LIN. FT.

# EARTHWORK REQUIRED FOR CONSTRUCTION OF THIS PROJECT  
SHALL BE PERFORMED UNDER PROJECT NO. 472-76-245-  
82662-000-000-001 (OAK RIDGE ADDITION).



IMPROVEMENT DISTRICT  
BOUNDARY

STREET IMPROVEMENTS



SCALE: 1" = 150'

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: PEOPLES NATURAL GAS, K.G.A.E. ELECTRIC, SOUTHWESTERN  
BELL TELEPHONE, MULTIMEDIA CABLEVISION, CITY OF WICHITA SEWER MAINTENANCE  
AND CITY OF WICHITA WATER DEPARTMENT. ALSO NOTIFY SEDGWICK COUNTY BUREAU  
OF PUBLIC SERVICES (316) 383-7901.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING AND/OR RESETTling 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.  
THIS WORK SHALL BE SUBSIDIARY TO "CLEARING R/W AND SITE PREPARATION".

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.

THIS PROJECT INCLUDES ALTERNATE PAVEMENT TYPES. THE CONTRACTOR SHALL BID  
ALL ALTERNATE 1 AND ALTERNATE 2 BID ITEMS AND THE CITY ENGINEER SHALL  
THEN SPECIFY WHICH PAVEMENT TYPE IS TO BE USED FOR THIS PROJECT.  
THE ALTERNATE SELECTED BY THE CITY ENGINEER SHALL BE USED FOR THE ENTIRE  
PROJECT.

CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FROM SEDGWICK COUNTY BUREAU  
OF PUBLIC SERVICES.

CONTRACTOR SHALL SEED, FERTILIZE, AND MULCH ALL DISTURBED AREAS WITHIN  
RIGHT-OF-WAYS AND ADJACENT EASEMENTS TO CITY OF WICHITA SPECIFICATIONS.

CONTRACTOR MAY CLOSE 29TH ST. N. TO THRU TRAFFIC FOR STREET AND DITCH  
CONSTRUCTION DURING DAYLIGHT HOURS. CONTRACTOR MAY CLOSE 29TH ST. N.  
AT CRP SITE, NOT TO EXCEED 3 DAYS FOR 30' CRP AND EXCAVATABLE  
FLOWABLE FILL CONSTRUCTION ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR  
PROVIDING, INSTALLING, AND MAINTAINING TRAFFIC CONTROL AND ADVANCED WARNING  
DEVICES AS NECESSARY ACCORDING TO THE LATEST EDITION OF THE CITY OF  
WICHITA "BARRICADE MANUAL".

THE CONTRACTOR OF PROJECT (PROJ. NO. 472-82662) WILL BE RESPONSIBLE FOR  
ALL EARTHWORK OPERATIONS ON 29TH STREET ADJACENT TO OAK RIDGE ADDITION  
(PROJ. NO. 472-82663). ANY WASTE EXCAVATED MATERIAL SHALL BE PLACED ON  
SITE PROVIDED BY THE DEVELOPER IN OAK RIDGE ADDITION. BORROW EXCAVATION  
MATERIAL, IF REQUIRED, SHALL BE FURNISHED BY THE DEVELOPER ON SITES IN OAK  
RIDGE ADDITION. CONTACT J.V. VAN ALLEN, CLEARWATER, KANSAS AT (316) 584-2305.

JANUARY, 1996

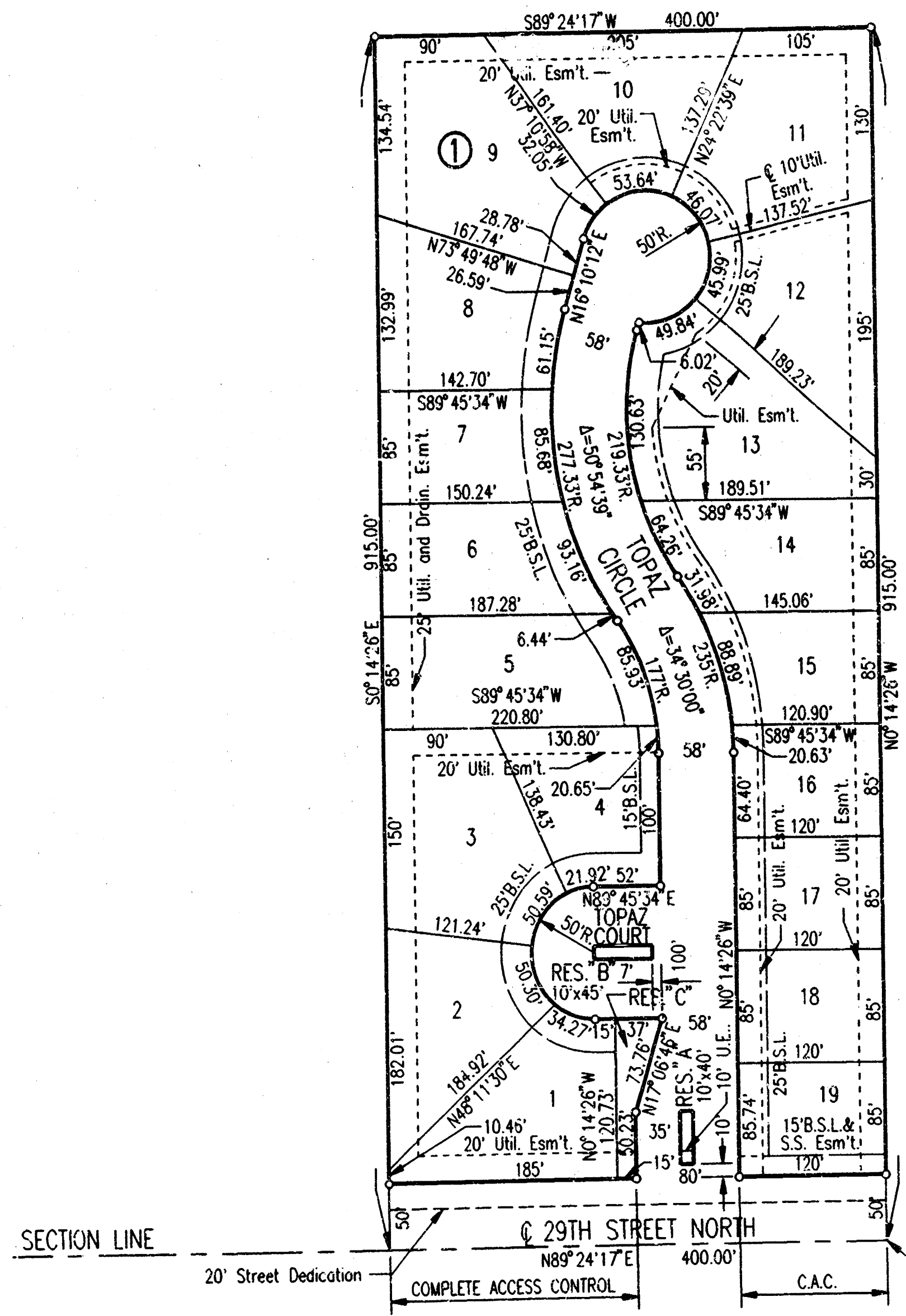
PLANS PREPARED BY  
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.  
ENGINEERS  
WICHITA, KANSAS

Incidental Drainage  
Booked 9-19-96  
McG 12-314



| PROJECT NO.                  | SHEET NO. | TOTAL SHEETS |
|------------------------------|-----------|--------------|
| 472-75-245-82663-000-000-001 | 2         | 3            |

# OAK RIDGE ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS



SCALE: 1"=100'

B.S.L. = BUILDING SETBACK LINE  
C.A.C. = COMPLETE ACCESS CONTROL  
S.S. = SANITARY SEWER  
c = IRON SET

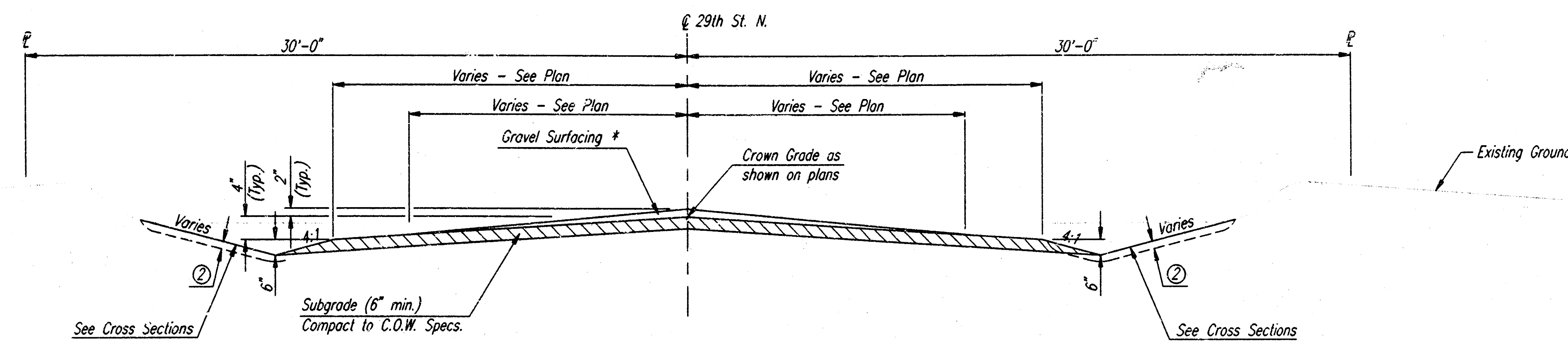
DATUM B.M. - CHISELED "L" ON N.E. CORNER OF EAST HEADWALL OF RCB UNDER RIDGE ROAD AT 200'± NORTH OF EAST 1/4 CORNER, SEC. 4, T27S, R1W.  
ELEV.=138.46 CITY DATUM  
ELEV.=1325.64 M.S.L.

S.E. Corner S.W. 1/4  
Sec. 33, T26S, R1W  
of the 6th P.M.

|                                                                            |                |                 |
|----------------------------------------------------------------------------|----------------|-----------------|
| 29TH STREET NORTH                                                          |                |                 |
| PLAT                                                                       |                |                 |
| PROFESSIONAL ENGINEERING CONSULTANTS, P.A.<br>ENGINEERS<br>WICHITA, KANSAS |                |                 |
| Designed by                                                                | Checked by     |                 |
| Drawn by DEP                                                               | Date JAN, 1996 | Job No. 95880-3 |

| PROJECT NO.                 | SHEET NO. | TOTAL SHEETS |
|-----------------------------|-----------|--------------|
| 472-76-245-8263-000-000-001 | 3         | 6            |

- ① Varies from 12'-6" at Sta. 97+46.07 to 20'-6" at Sta. 97+96.12. See Plan.
- ② On Ditch Slopes and Easements in Cut, overexcavate and loosely place 4-inches of Topsoil Material, salvaged from project, immediately prior to seeding. This work to be subsidiary to other construction items.



TRANSITION SECTION  
Sta. 95+00 to Sta. 96+00

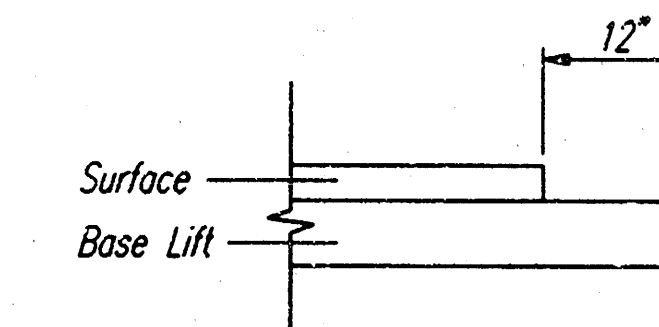
\* Gravel Surfacing Material shall conform to the requirements for Type SA-1 or SA-2 Aggregate in Subsection 1112 of the Standard Specifications for State Road and Bridge Construction of the State of Kansas, 1990 Edition. Gravel surfacing shall be applied at the Rate of 4.0 tons per Station and be bid and paid for per Ton which price shall include all costs of furnishing Materials, Manipulation, and other incidental items necessary to complete the work.

CRUSHED ROCK OR RECYCLED ASPHALT PAVEMENT (RAP) GRADATION REQUIREMENTS PERCENT OF AGGREGATE RETAINED

|        |       |
|--------|-------|
| 2-1/2" | 0     |
| 3/4"   | 20-60 |
| #4     | 50-80 |
| #40    | 80-94 |
| #200   | 90-98 |

ROCK QUALITY SHALL CONFORM TO THE REQUIREMENTS SPECIFIED BY THE KDOT 1990 EDITION STANDARD SPECIFICATION SUBSECTION 1102 FOR DURABILITY CLASS I

#### TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE DETAIL. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS 5" ASPHALTIC CONCRETE PAVEMENT (5" BITUMINOUS BASE).

#### GENERAL NOTES

FABRIC BASE REINFORCEMENT SHALL BE BX1100 BY TENSAR CORP. OR LB0201 BY TENAX CORPORATION OR APPROVED EQUAL. FABRIC BASE REINFORCEMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. FABRIC REINFORCEMENT SHALL BE SUBSIDIARY TO BASE MATERIAL.

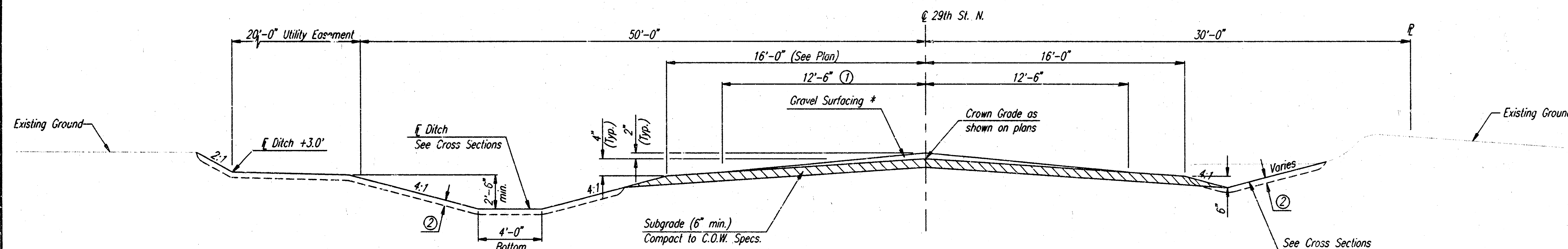
ROCK BASE IS TO BE COMPACTED AND SMOOTHED WITH A STEEL FACED ROLLER PRIOR TO PLACEMENT OF ASPHALT. TACK COAT WILL NOT BE APPLIED TO ROCK BASE.

A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.

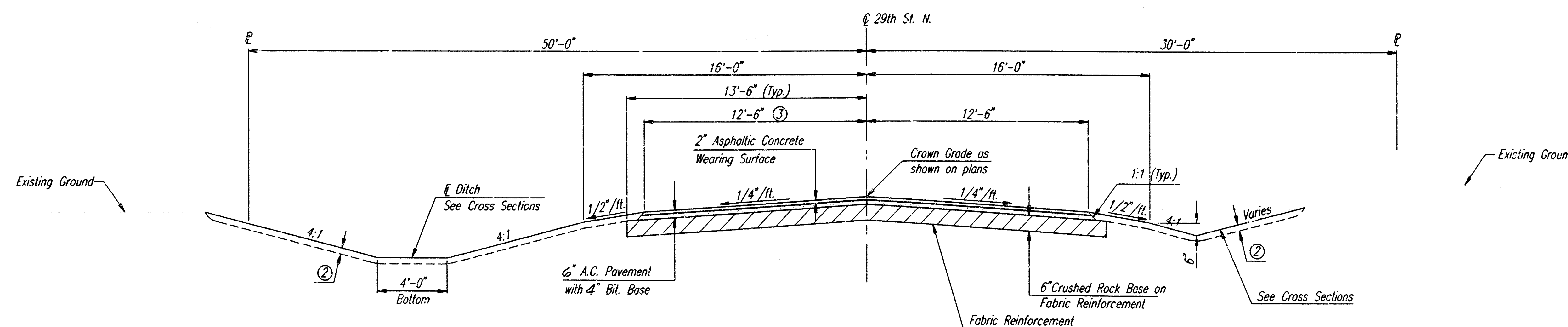
BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.

CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF (1) FOOT FROM JOINTS IN PRECEDING LIFTS AND PLACED SO THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE TOP LIFT.

5" CRUSHED ROCK BASE ON FABRIC REINFORCEMENT IS ALTERNATE NO. 1 MATERIAL. ALTERNATE NO. 2 SHALL BE 5" RECYCLED ASPHALT PAVEMENT (RAP) ON FABRIC REINFORCEMENT. ALL REFERENCES ON THIS SHEET TO ROCK OR CRUSHED ROCK BASE SHALL APPLY ALSO TO RECYCLED ASPHALT PAVEMENT (RAP) BASE MATERIAL.



TYPICAL SECTION  
Sta. 96+00 to Sta. 97+96.12



TYPICAL SECTION  
Sta. 97+96.12 to Sta. 100+00

29TH STREET NORTH

#### TYPICAL SECTIONS

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.

ENGINEERS  
WICHITA, KANSAS

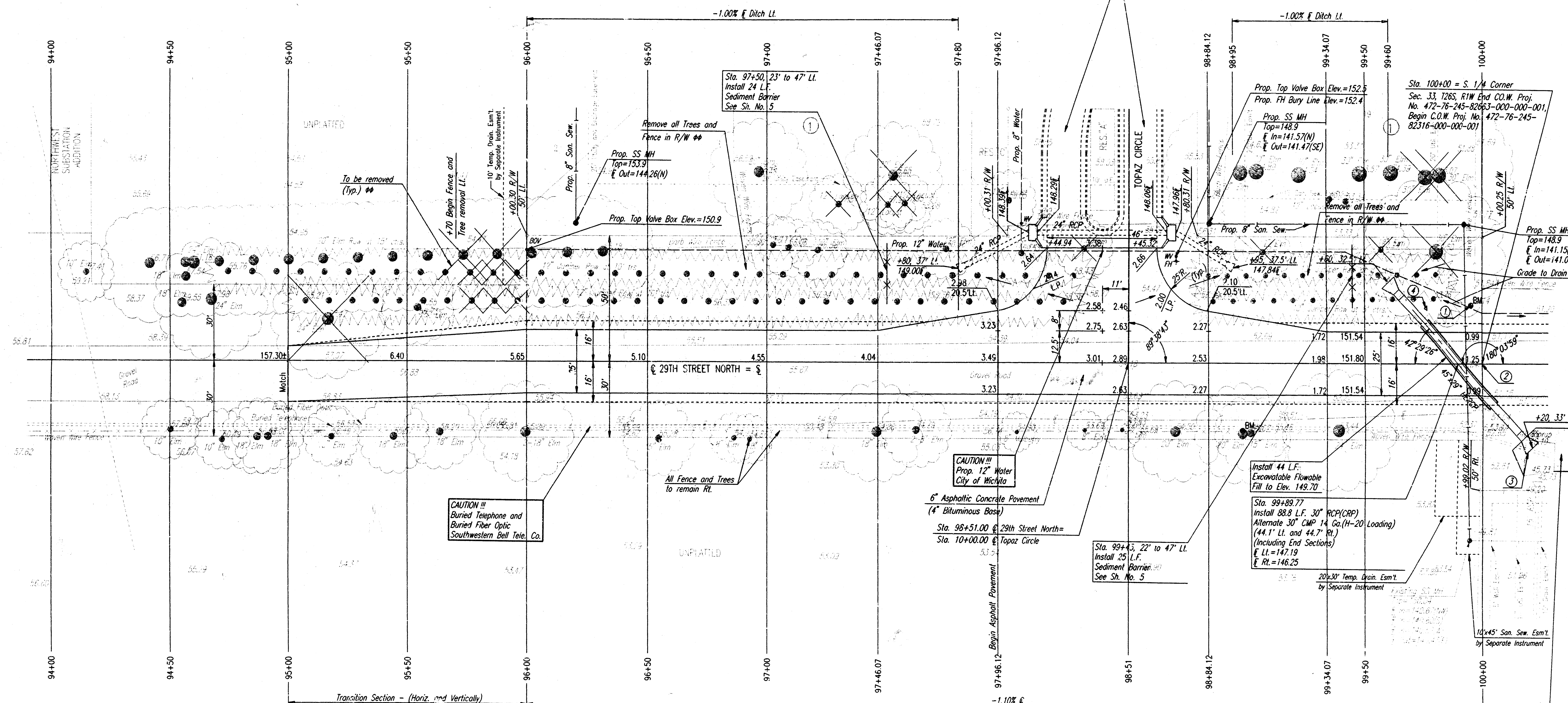
|             |          |            |            |
|-------------|----------|------------|------------|
| Designed by | BER, GDD | Checked by |            |
| Drawn by    | DEP      | Date       | JAN., 1996 |

Job No. 95880-3

| WATER VALVE BOX ELEVATIONS |         |           |                    |
|----------------------------|---------|-----------|--------------------|
| STREET                     | STATION | OFFSET    | PROPOSED ELEVATION |
| 29TH STREET NORTH          | 96+00   | 44.0' LT. | 150.9              |
| 29TH STREET NORTH          | 98+71   | 42.0' RT. | 152.5              |

| PROJECT NO.                  | SHEET NO. | TOTAL SHEETS |
|------------------------------|-----------|--------------|
| 472-76-245-82663-000-000-001 | 4         | 8            |

SCALE: 1"=20'



| PAVEMENT MARKING              |                       |
|-------------------------------|-----------------------|
| Sta. 99+30 to Sta. 100+00 Lt. | 70 L.F. (4\" White)   |
| Sta. 97+96 to Sta. 100+00 Rt. | 204 L.F. (4\" White)  |
| Sta. 98+84 to Sta. 100+00 &   | 232 L.F. (4\" Yellow) |

Contractor shall apply 4\" White Cold Plastic Pavement Marking Tape to Left and Right Edge of Asphalt as indicated above, and 4\" Yellow Double Centerline Cold Plastic Pavement Marking Tape. This work shall be to City Specifications and shall be paid for as L.C. Sum for \"Pavement Marking\".

⚠ This work shall be part of Bid item \"Clearing R/W and Site Preparation\".

① Contractor shall use caution when working around BM (City of Wichita Disc).

② Contractor shall not destroy 1/4 Corner Monument. City of Wichita Standard Survey Monument to be installed by others.

③ Caution - Buried Telephone - Buried Fiber Optic  
Contact Southwestern Bell Telephone Co. before Excavating. Cables as shown have not been field located. Telephone Co. shall move Cables during construction, if necessary.

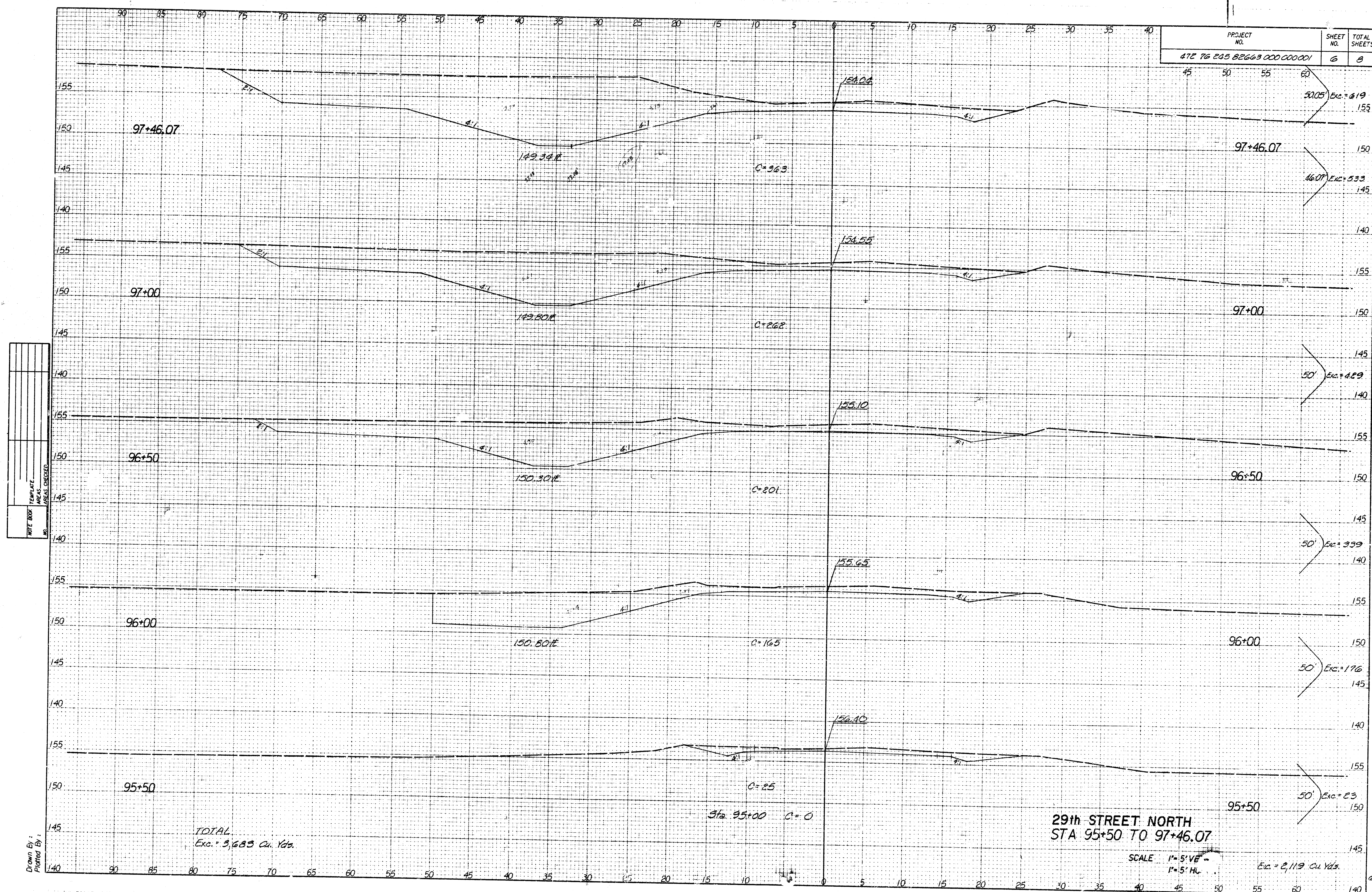
④ Sta. 99+75, 22' Lt. Install Traffic Control Sign (Pavement Ends) salvaged from St. 105+75t. Contractor shall Repair and/or Replace as instructed by the Engineer. This work shall be subsidiary to Asphalt Pavement.

29TH STREET NORTH  
STA. 95+00.00 TO STA. 100+00.00

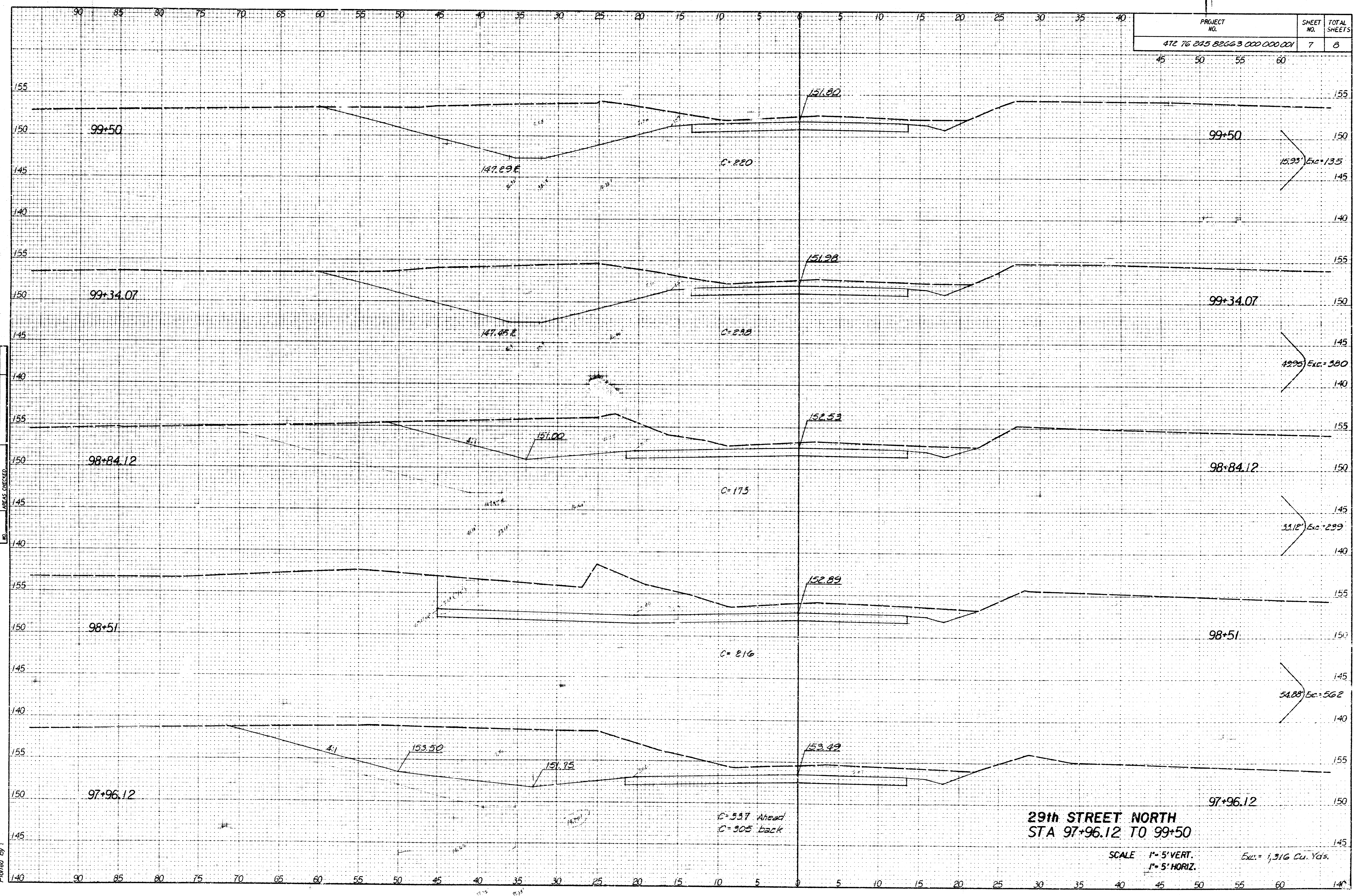
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.  
ENGINEERS  
WICHITA, KANSAS

|             |          |            |           |
|-------------|----------|------------|-----------|
| Designed by | BER, GDD | Checked by |           |
| Drawn by    | DEP      | Date       | JAN, 1996 |
|             |          | Job No.    | 95880-3   |





| PROJECT NO.                  | SHEET NO. | TOTAL SHEETS |
|------------------------------|-----------|--------------|
| 412 76 245 82663 000 000 001 | 7         | 8            |



29th STREET NORTH  
STA 97+96.12 TO 99+50

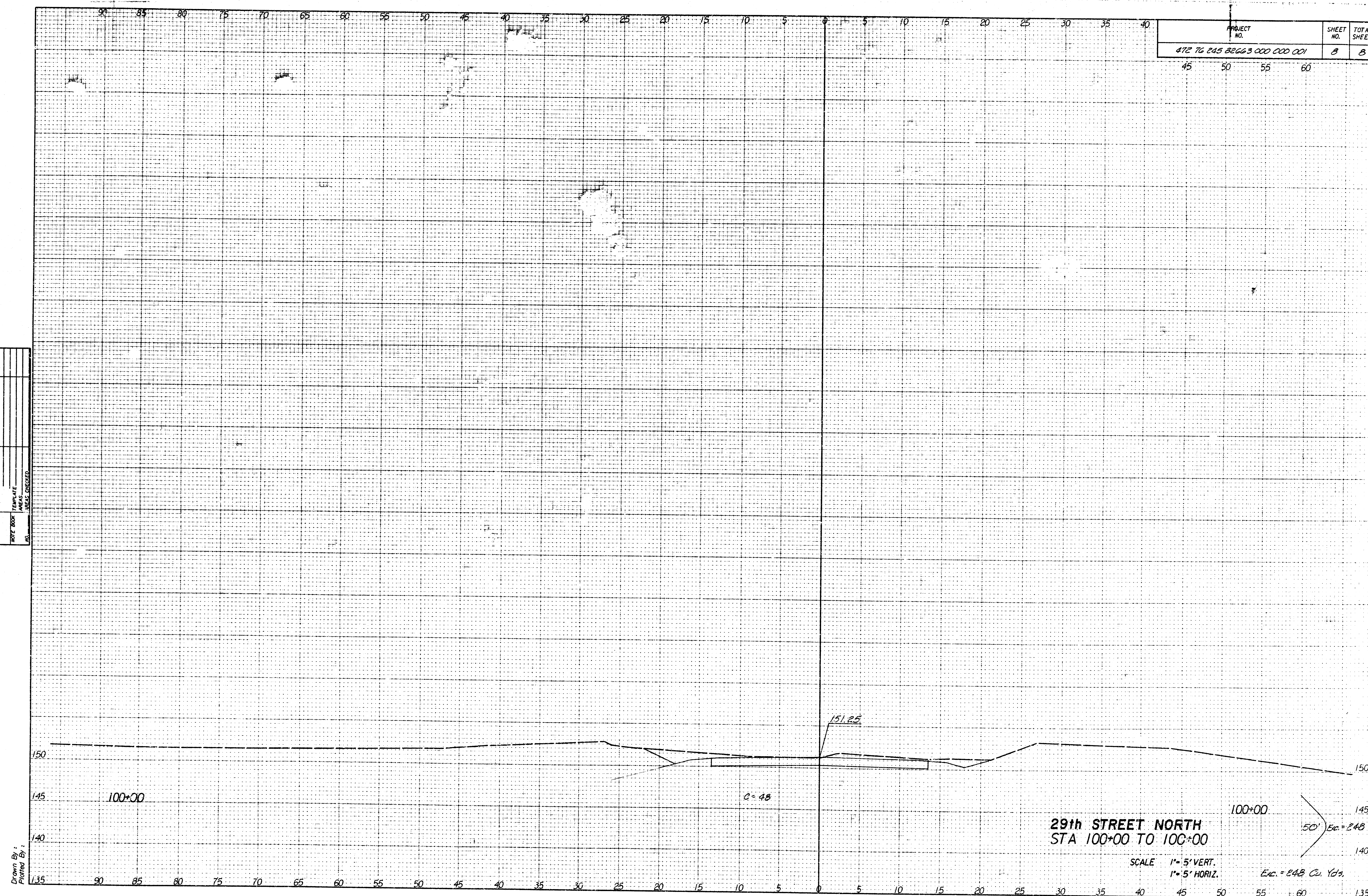
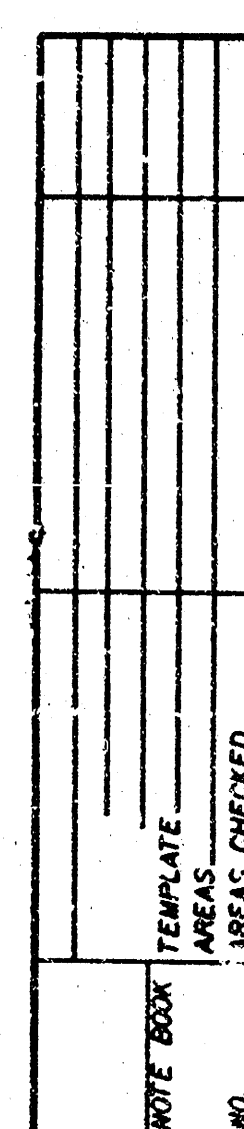
SCALE 1" = 5' VERT.  
1" = 5' HORIZ.

Exc. = 1,316 Cu. Yds.

|           |          |               |
|-----------|----------|---------------|
| NOTE BOOK | TEMPLATE | AREAS CHECKED |
| NO.       |          |               |

Drawn By:  
Plotted By:

| PROJECT NO.                  | SHEET NO. | TOTAL SHEET |
|------------------------------|-----------|-------------|
| 472 76 245 82663 000 000 001 | 8         | 8           |
| 45      50      55      60   |           |             |



29th STREET NORTH  
STA 100+00 TO 100+00

SCALE 1" = 5' VERT.  
1" = 5' HORIZ.

Exc. = 248 Cu. Yds

60 135  
10-3-11