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

STREET IMPROVEMENTS

RECONSTRUCTION OF THE MEDIAN IN BROADWAY FROM A POINT
200 FEET MORE OR LESS NORTH OF THE SOUTH LINE OF LOT 1, TO
A POINT 420 FEET MORE OR LESS NORTH OF THE SOUTH LINE LOT 1.

IN

DILLON 11TH ADDITION

CITY OF WICHITA PROJECT NO. 472-76-245-82540-000-000-001
INDEX NO. 783037

INDEX OF SHEETS

1. TITLE SHEET
2. PLAN AND SUMMARIES
3. NOTES AND DETAILS
4. [illegible] PLAN
5. STORM SEWER PLAN AND DRAINAGE PLAN
6. PAVEMENT ELEVATIONS AND SIGNING DETAILS

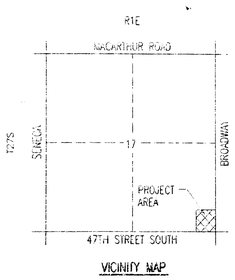
PROJECT SURVEY CONTROL

BM – C&M.GEO AT N.E. CORNER TRAFFIC SIGNAL BASE AT S.W. CORNER BROADWAY AND 47TH STREET SOUTH
ELEV.=[illegible].14

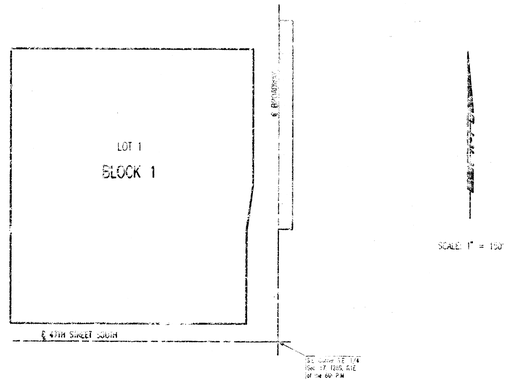
BM – RAILROAD SPIKE IN EAST SIDE POWER POLE 4TH POLE NORTH OF 47TH STREET SOUTH AND 600' WEST OF BROADWAY.
ELEV.=[illegible].65

BENCHMARK

PROJECT LENGTH = 411.91 LIN. FT.



VICINITY MAP



GENERAL NOTES

UNDERGROUND UTILITY LOCATIONS (GAS AND WATER SERVICE LINES NOT TO BE SHOWN) AS PREPARED BY ENGINEER FROM CONSTRUCTION PLANS THE MEANS SPECIFICALLY USED FOR THEIR PREPARATION BY THE CONTRACTOR, BASING UTILITIES AND OTHER LOCATIONS AS SHOWN ON THE PLANS REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN PURPOSES. WHERE INFORMATION HAS BEEN OBTAINED FROM THE UTILITIES OR 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 TRANSPORTATION ENVIRONMENT. MATERIAL EITHER STOCKPILED OR DISPOSED OF IN A FIELD TERRAIN 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 DUMPED OR STOCKPILED BEYOND APPROVED CONSTRUCTION LIMITS WOULD REQUIRE ARCHEOLOGICAL AND BIOLOGICAL INVESTIGATIONS UNLESS DUMPED IN A PREVIOUSLY APPROVED BORROW LOCATION.

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

TEMPORARY SURFACING MATERIAL (STONE, ASPHALT, ETC.) MAY HAVE BEEN PLACED WITHIN STREET RIGHT-OF-WAY FOR LOCAL ACCESS AND TRAFFIC WAY 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 INCIDENTAL TO EXCAVATION.

CONTRACTOR SHALL PROVIDE A MINIMUM FORTY-EIGHT (48) HOUR WRITTEN NOTICE (EXCLUDING WEEKENDS AND HOLIDAYS) PRIOR TO BEGINNING ANY EXCAVATION, TO KANSAS ONE-CALL SYSTEM, A UTILITY LOCATION SERVICE AT (316) 263-8143 TO REQUEST THE FOLLOWING UTILITY COMPANIES TO LOCATE ALL UNDERGROUND WITHIN THE PROJECT LIMITS: KGE, KGE FIBER, SOUTHWESTERN BELL TELEPHONE, MULTIMEDIA CABLEVISION, CITY OF WICHITA SEWER MAINTENANCE AND CITY OF WICHITA WATER DEPARTMENT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY MONUMENTS. THE CONTRACTOR WILL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY MONUMENTS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH MONUMENTS 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 DISPLACED 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 DOES NOT INCLUDE ANY PROVISIONS FOR CONSTRUCTION OF DRIVEWAYS.

A MINIMUM OF ONE LANE THRU TRAFFIC SHALL BE MAINTAINED ON BROADWAY (SOUTHBOUND AND NORTHBOUND) AT ALL TIMES (INCLUDING CONSTRUCTION FOR DEDICATED LANE UNDER C.O.W. PROJ. NO. 472-76-245-82539-000-000-051). BROADWAY SHALL BE RESTRICTED TO TWO LANE TRAFFIC (SOUTHBOUND AND NORTHBOUND) FROM DUSK TO DAWN. CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN TRAFFIC CONTROL AND ADVANCE WARNING DEVICES AS REQUIRED BY THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

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.



AUGUST, 1995

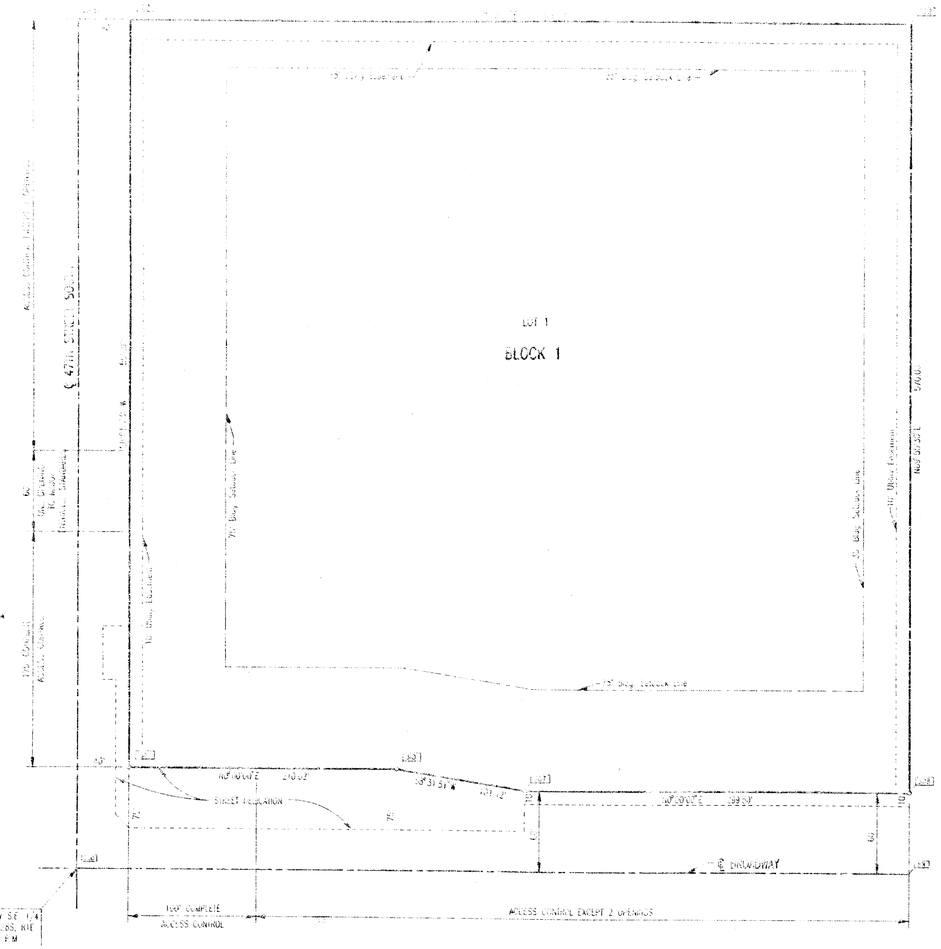
PLANS PREPARED BY
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS

usc: usfs/dgn: 1995/95255/wichita/dgn
auto plotted: 8/2/95
driver to device down

PROJECT NO.	SHEET NO.	TOTAL SHEETS
472-78-243-8.03-91-000-000-001	2	6

DILLON 11TH ADDITION

TO WICHITA, SEDGWICK COUNTY, KANSAS



COORDINATE LIST

POINT NO.	NORTH	EAST
500	1500.0000	1000.0000
501	1449.5000	1000.0000
502	1449.1139	940.0000
503	1349.0215	940.0000
504	1049.4215	940.0000
505	1148.0215	825.0000
506	1030.6013	935.0000
507	1039.1945	1000.0000
508	1014.8040	931.9820
509	1015.0803	768.9820
510	1039.0000	722.5310
512	999.1805	927.9409
513	1013.9829	743.6815
514	956.1271	811.5015
515	1052.7340	970.8400
516	1033.9000	967.8100
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BROADWAY MEDIAN REVISIONS

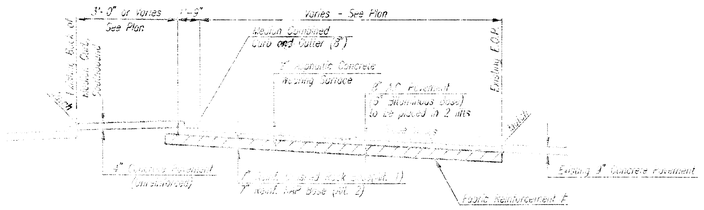
PLAT

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

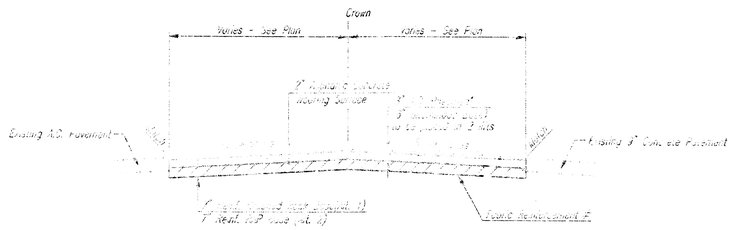
Designed by	BER, COD	Checked by	
Drawn by	DEP	Date JUNE, 1995	Job No. 95331

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dgn\dillon.dgn 1995/953331.mstn

PROJECT NO.	SHEET NO.	TOTAL SHEETS
472-76-245-3254-1-000-000-301	3	5



TYPICAL SECTION
℄ STA. 12+52.10 to ℄ STA. 14+00.40
AND ℄ STA. 14+40.40 to ℄ STA. 14+90

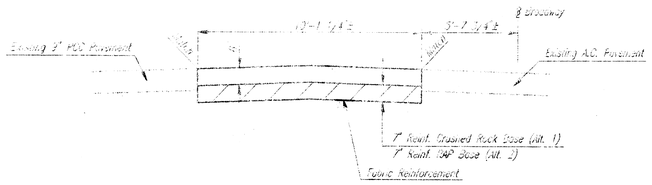


TYPICAL SECTION
℄ STA. 14+40.40 to ℄ STA. 14+45.00
AND ℄ STA. 15+50.32 to ℄ STA. 15+04.28

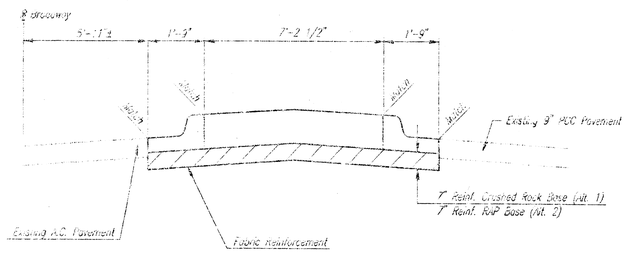
CRUSHED ROCK
GRADATION REQUIREMENTS
PERCENT OF AGGREGATE PASSING

Sieve Size	Percent Passing
2"	100
1 1/4"	90-100
#4	30-70
#10	10-40
#200	0-15

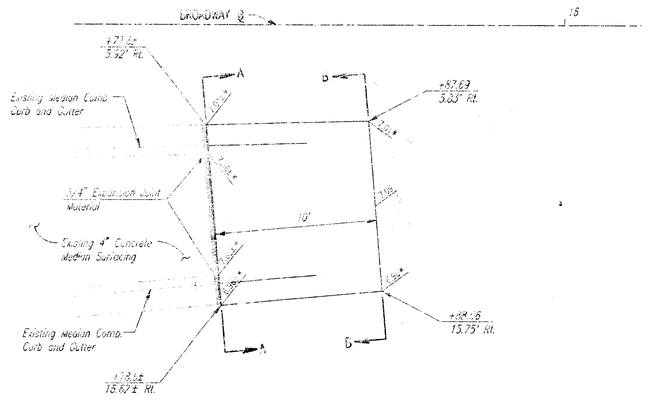
AGGREGATE SHALL BE PRODUCED FROM LIMESTONE OR SANDSTONE BEDS FREE OF SHALE OR CLAY SEAMS. AGGREGATE SHALL BE FREE FROM VEGETABLE MATTER AND LUMPS OF CLAY AND SHALL NOT CONTAIN MORE THAN 10% BY WEIGHT OF FLAT OR ELONGATED PIECES (LENGTH GREATER THAN 5 TIMES AVERAGE THICKNESS) FOR BASE COURSE.



SECTION B-B



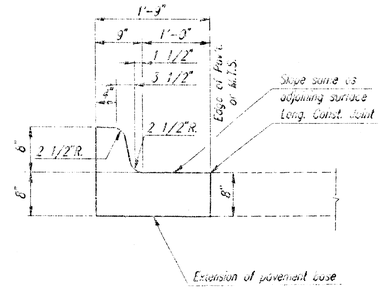
SECTION A-A



PLAN

MEDIAN NOSE DETAILS

NOTE: MEDIAN NOSE SHALL BE PAID FOR AS 8" CONCRETE PAVEMENT (UNREINFORCED). SPECIAL SHAPING AND ADDITIONAL CONCRETE REQUIRED TO TRANSITION FROM SECTION A-A TO SECTION B-B SHALL BE CONSIDERED INCIDENTAL TO "8" CONCRETE PAVEMENT (UNREINFORCED)". ENTIRE NOSE SHALL BE MONOLITHIC



MEDIAN COMBINED CURB & GUTTER
(8")

GENERAL NOTES

CONCRETE SHALL BE CURED BY APPLICATION OF LIQUID MEMBRANE CURING COMPOUND IMMEDIATELY AFTER FINISHING AND PRIOR TO REMOVAL OF FORMS. FORMS SHALL NOT BE REMOVED TO INCREASE RATE OF CURING.

A SAW CUT OF ENLARGED EXPANSION JOINT SHALL BE MADE AT THE APPROXIMATE TIME OF DAY INDICATED FOR PLACING AND SHALL BE MADE DAILY AS NECESSARY.

CONCRETE SHALL NOT BE PLACED WHEN THE AMBIENT TEMPERATURE IS BELOW 40° F. AND FALLING UNLESS AN APPROVED METHOD OF PROTECTION IS PROVIDED. CONCRETE SHALL NOT BE PLACED WHEN THE AMBIENT TEMPERATURE IS BELOW 35° F. CONCRETE SHALL NOT BE PLACED ON FROZEN SUBGRADE OR SUBBASE.

ALL EXPOSED EDGES OF CONCRETE SHALL BE EDGED WITH A 1/4" RADIUS EDGING TOOL.

ALL CONCRETE SHALL BE PROTECTED FROM DAMAGE BY PUBLIC TRAFFIC AND CONSTRUCTION EQUIPMENT UNTIL IT HAS ATTAINED A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.

ALL CONCRETE SHALL BE PROPORTIONED, MIXED, PLACED AND FINISHED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 601 OF THE STANDARD SPECIFICATIONS.

ALL CONCRETE SHALL BE CLASS P-1 WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.

ALL REINFORCING STEEL SHALL BE GRADE 60.

ALL CONCRETE SHALL BE AIR ENTRAINED WITH 5% ± 1% AIR BY VOLUME.

ALL CONCRETE SHALL BE CONSOLIDATED WITH MECHANICAL VIBRATORS.

ALL CONCRETE SHALL BE FINISHED WITH A TEXTURE BROOM.

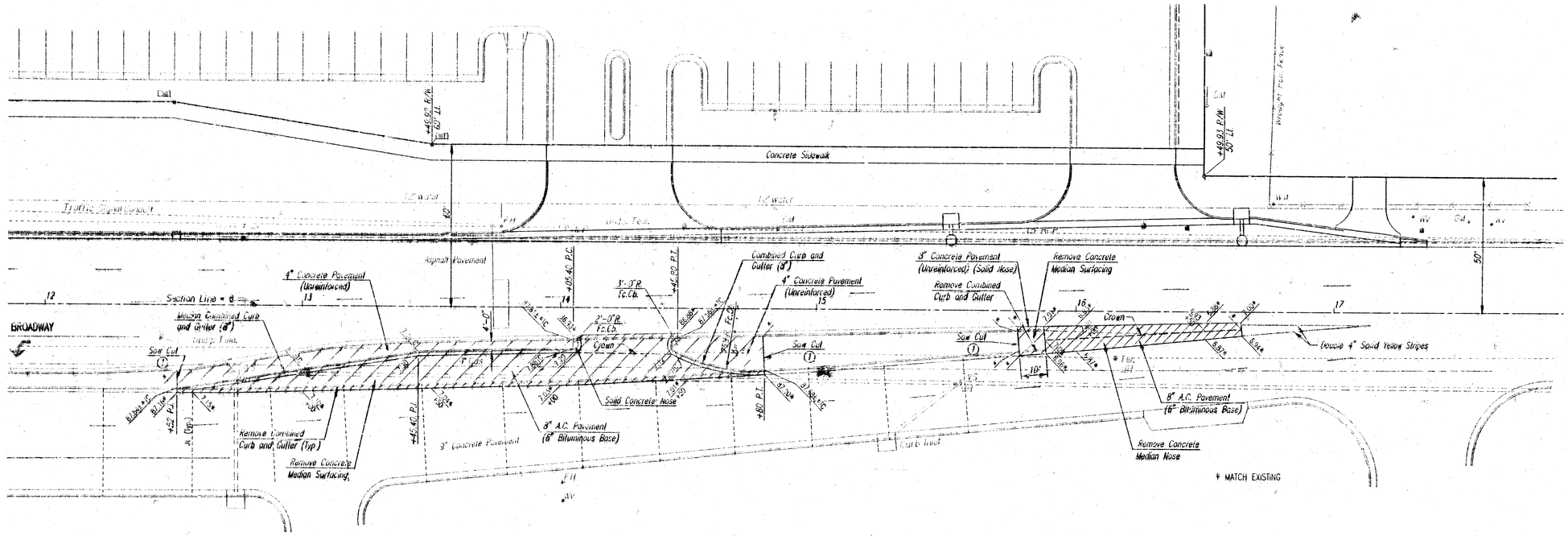
ALL CONCRETE SHALL BE CURED WITH A WHITE PIGMENTED CURING COMPOUND.

ALL EXPANSION JOINTS SHALL BE FILLED WITH PREFORMED EXPANSION JOINT FILLER MATERIAL.

ALL CONCRETE SHALL BE PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 601 OF THE STANDARD SPECIFICATIONS

PROJECT NO.	SHEET NO.	TOTAL SHEETS
472-76-245-82540-000-000-051	4	6

SCALE: 1" = 20'



① Saw Cut 4" Concrete Median Surfacing and Median Combined Curb and Gutter (8"). This work to be subsidiary to "Median Combined Curb and Gutter (8")".

BROADWAY MEDIAN REVISIONS

MEDIAN PAVING PLAN

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ENGINEERS
WICHITA, KANSAS

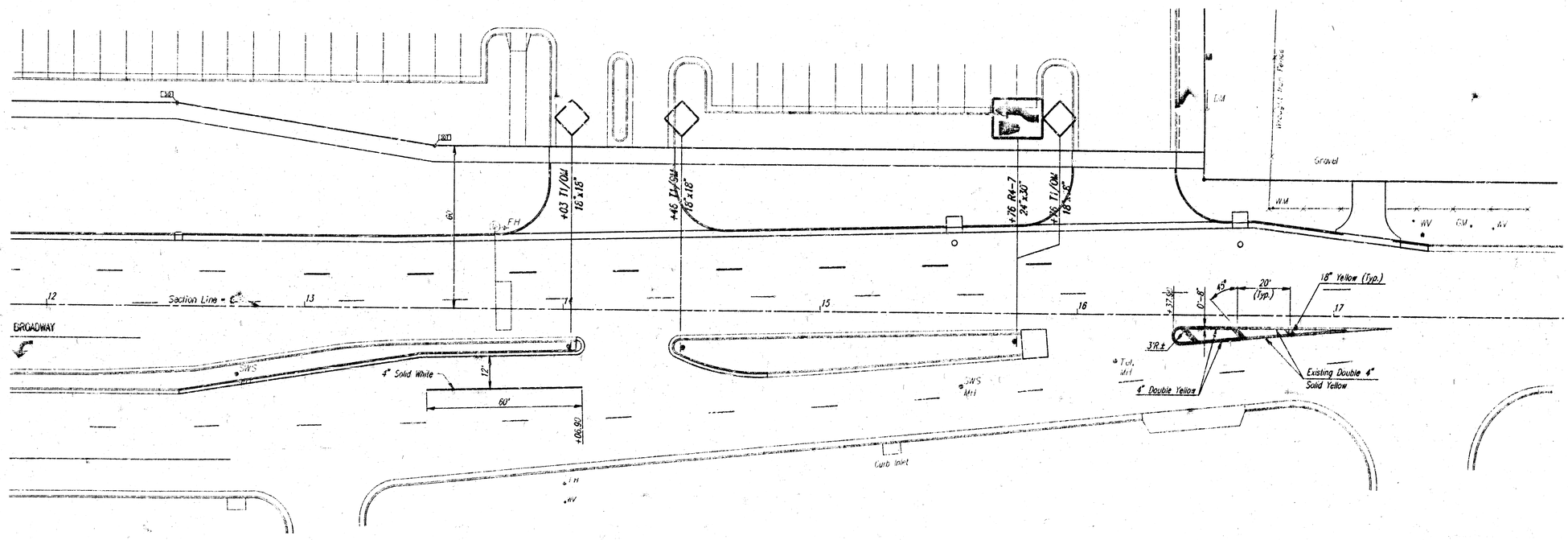
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Drawn by	DEP	Date JUNE, 1995	Job No. 95333	

4

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date plotted: 6/29/95
deliver to: dwaine dunn

PROJECT NO.	SHEET NO.	TOTAL SHEETS
472-76-245-82540-030-000-001	5	6

SCALE: 1" = 20'



MARKING AND SIGNING NOTES

1. ALL MARKING DIMENSIONS ARE TO CENTER OF STRIPE UNLESS NOTED OTHERWISE.
2. ALL MARKINGS AND SIGNS SHALL CONFORM TO THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)" WITH REGARD TO COLOR, SIZE AND SHAPE, PLACEMENT AND INSTALLATION.
3. ALL MARKINGS AND SIGNS SHALL BE FULLY REFLECTORIZED.
4. SEE SHEET NO. 6 FOR MARKING AND SIGNING DETAILS.

BROADWAY MEDIAN REVISIONS

PAVEMENT MARKING AND SIGNING PLAN

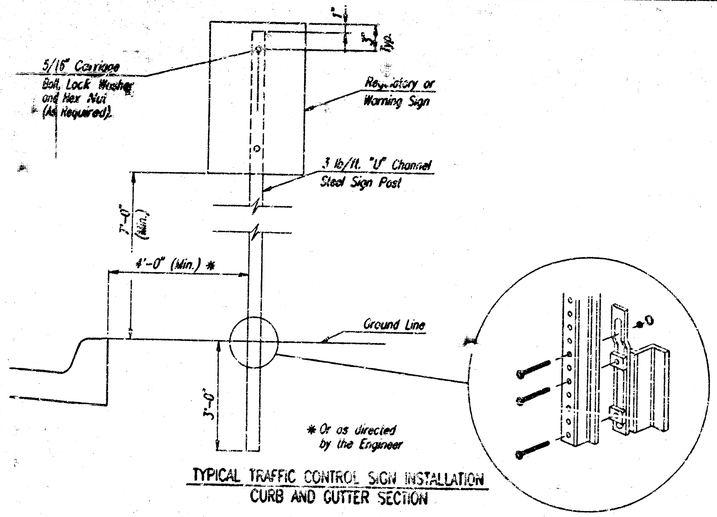
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS

Designed by	BER, CDD	Checked by	
Drawn by	DEP	Date JUNE 1995	Job No. 95333

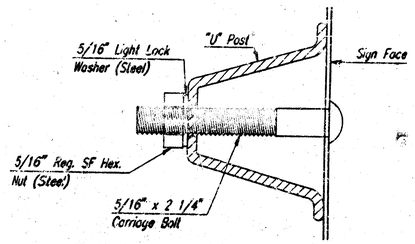
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PROJECT NO.	SHEET NO.	TOTAL SHEETS
472-76-245-82540-000-000-001	6	6



TYPICAL TRAFFIC CONTROL SIGN INSTALLATION
CURB AND GUTTER SECTION

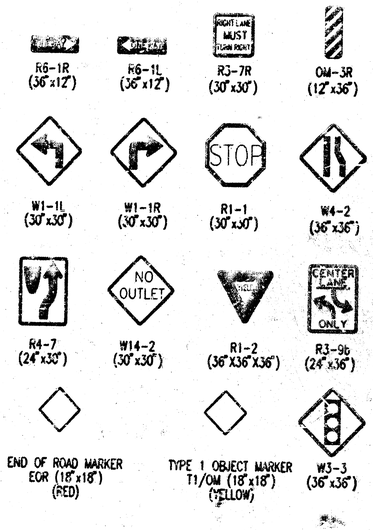


TRAFFIC CONTROL SIGN MOUNTING DETAIL

GENERAL NOTES - SIGNING

NOTE: REFERENCES BELOW TO "STANDARD SPECIFICATIONS" DENOTE "STANDARD SPECIFICATION FOR STATE ROAD AND BRIDGE CONSTRUCTION, EDITION 1990" BY THE KANSAS DEPARTMENT OF TRANSPORTATION.

1. POST ANCHORS. POSTS SHALL BE ANCHORED WITH A YIELDING BASE POST SUPPORT AS DETAILED.
2. POSTS FOR TRAFFIC CONTROL SIGNS. POSTS SHALL CONFORM TO THE REQUIREMENTS OF SUBSECTION 1620 OF THE STANDARD SPECIFICATIONS EXCEPT THAT ALL POSTS SHALL WEIGH 3 LBS./FOOT MINIMUM.
3. SIGN BLANKS FOR TRAFFIC CONTROL SIGNS. SIGN BLANKS SHALL BE FABRICATED FROM 0.080" ALUMINUM ALLOY 5083-H8 CONFORMING TO THE REQUIREMENTS OF SUBSECTION 1626 OF THE STANDARD SPECIFICATIONS.
4. FASTENERS. ALL STEEL FASTENERS FOR TRAFFIC CONTROL SIGNS SHALL BE GALVANIZED AND SHALL CONFORM TO THE REQUIREMENTS OF SUBSECTION 1614 OF THE STANDARD SPECIFICATIONS.
5. REFLECTIVE SHEETING. REFLECTIVE SHEETING SHALL BE TYPE A - HIGH PERFORMANCE CLASS HA IN ACCORDANCE WITH SUBSECTION 2201 OF THE STANDARD SPECIFICATIONS.
6. PROCESS INK. ALL PROCESS INK SHALL CONFORM TO THE REQUIREMENTS OF SUBSECTION 2202 OF THE STANDARD SPECIFICATIONS.
7. DETAILS. REGULATORY AND WARNING SIGNS SHALL CONFORM TO THE DETAILS IN "STANDARD HIGHWAY SIGNS", FHWA, 1979.
8. TRAFFIC CONTROL SIGNS. TRAFFIC CONTROL SIGNS SHALL BE PAID FOR UNDER LUMP SUM BID FOR "PAVEMENT MARKING AND SIGNING". THE PAYMENT AS SET FORTH ABOVE SHALL BE CONSIDERED FULL COMPENSATION FOR EXCAVATION, BACKFILLING, POSTS, ANCHORS, FASTENERS, MATERIALS, LABOR, TOOLS AND INCIDENTALS NECESSARY TO COMPLETE THIS WORK.



SIGN ASSEMBLY TABLE

STREET	STATION	OFFSET	SIGN	QUANTITY ≠
BROADWAY	14+03	13' RT.	T1/OM	1
BROADWAY	14+40	13.5' RT.	T1/OM	1
BROADWAY	15+76	10' RT.	W4-2 & T1/OM	1
TOTAL				3

BILL OF MATERIALS ≠

PROJ. NO. 472-76-245-82539-000-000-001

COLD PLASTIC PAVEMENT MARKING (6" WHITE)	60 L.F.
COLD PLASTIC PAVEMENT MARKING (4" YELLOW)	113 L.F.
COLD PLASTIC PAVEMENT MARKING (18" YELLOW)	14 L.F.

≠ FOR INFORMATION ONLY. TO BE PAID FOR UNDER THE BID ITEM "PAVEMENT MARKING AND SIGNING - LUMP SUM".

BROADWAY MEDIAN REVISIONS

PAVEMENT MARKING AND SIGNING DETAILS

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

Designed by	BER, GDD	Checked by	
Drawn by	DEP	Date JUNE, 1995	Job No. 95333

J8-5-J-3

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data plotted: 6/30/95
drawn to awsme data ...