03/17/1999 11:39:28 PAVCOVR.DWG

ROADWAY IMPROVEMENTS

for

29th Street North

CITY OF WICHITA, KANSAS

Michael B. Lindebak, P.E. City Engineer

Private Project Number

118 PPP 607879

GENERAL NOTES:

1. Contractor will be required to provide notice to utility companies a minimum of twenty-four (24) hours prior to any excavation, as follows:

   Kansas One-Call 687-2470

   The Contractor must notify the following in case of an emergency:

Cablevision	262-4270
or	263-2061
K.P.L. Gas Service Company	263-7511
Kansas Gas & Electric Company	264-1141
Peoples Nat. Gas Company	942-8350
Southwestern Bell Telephone Company	1-571-2611
City of Wichita Water Department	269-4908
City of Wichita Sewer Maintenance	268-4071

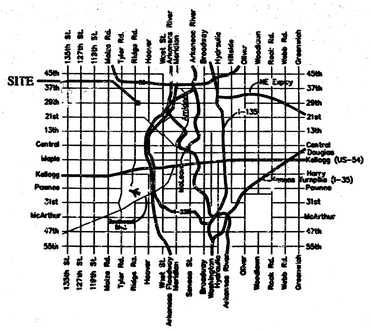
2. Utility service lines, poles, valve boxes, meters, and etcetera are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. The contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.

3. 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 stockpiles or disposed of in a flood plain would 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.

4. 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.

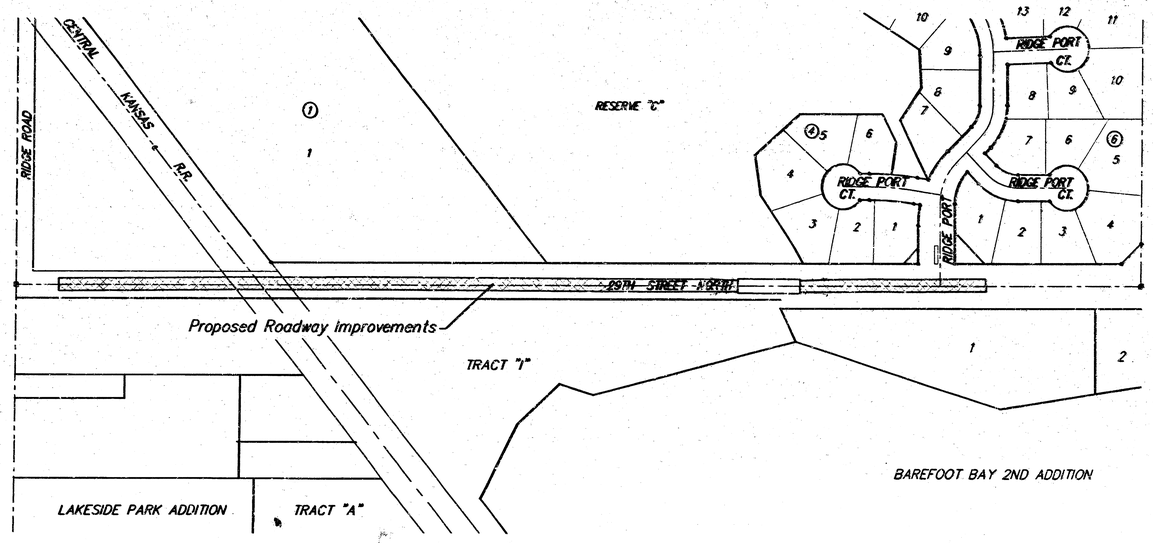
5. The Contractor shall be responsible for preserving property irons. The Contractor will be required to re-establish any property irons which are damaged or destroyed by his construction operations. Such irons shall be re-established by a licensed land surveyor in accordance with state law.

6. All disturbed areas shall be seeded as follows:
   Seed: - 35 lbs./acre Brome Grass
   & 100 lbs./acre K-31 Fescue
   Mulch: - 2 tons prairie hay per acre
   Fertilizer: - 350 lbs./acre 10-20-10 or 12-24-12
   Costs for seeding shall be included in lump sum bid item "Site Clearing & Restoration"



Vicinity Map

Scale: 1" = 150'



Proposed Pavement

Benchmarks

City Disc 45' North of 1/4 Corner, 1/2 Mile East of Ridge Road on 29th St. North.
Elev. = 1328.47 NGVD
= 141.07 City Datum

City Disc at S.W. Corner of R.C.B.C. for Big Slough at Ridge Road
Elev. = 1331.62 NGVD
= 144.22 City Datum

Sheet Index

Title Sheet	1
Signage Detail	2
29th Street North	3-5

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

Sanitary Sewers _____

Storm Sewers _____

Driveway Approaches _____

Water Mains _____

Paving VRH 3/17/99

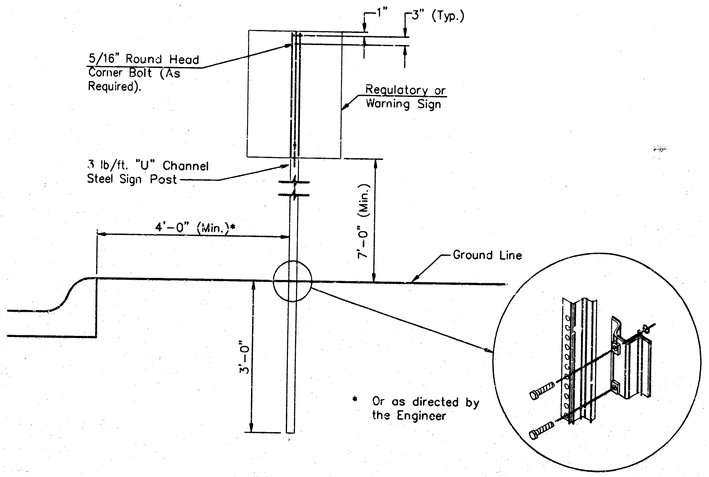
NOTE TO CONTRACTORS

Installation, inspection and testing for this project is to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said inspection to be in accordance with the City of Wichita standard construction engineering practices and certified by a Licensed Professional Engineer. No work shall be performed in dedicated easements or public right-of-way by the Contractor without such inspection nor shall any work be commenced without written authorization by the City Engineer. All Construction and Materials shall comply with the City of Wichita Specifications and Standards (on file and available in the City Engineer's Office).

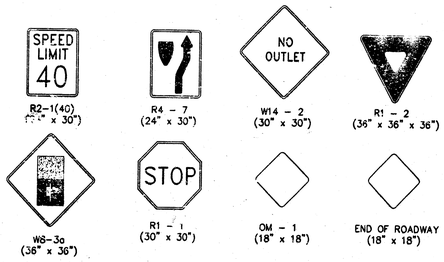
DENISE M. VAUGHN LICENSED 15176 3-16-99 KANSAS PROFESSIONAL ENGINEER

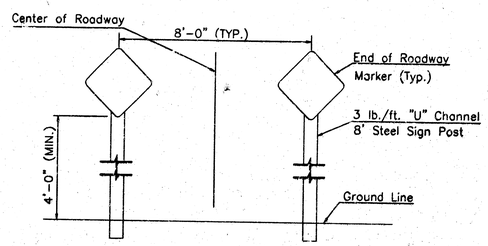
BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

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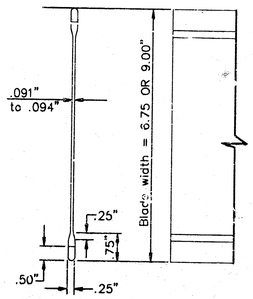


TYPICAL TRAFFIC CONTROL SIGN MOUNTING INSTALLATION
CURB AND GUTTER SECTION





TYPICAL END OF ROADWAY SIGN MOUNTING INSTALLATION



STREET NAME SIGN
BLADE DETAILS

SIGN ASSEMBLY TABLE

STATION	OFFSET	SIGN	QUANTITY*
1+70	20' Rt.	R2-1(40)	1
19+30	20' Lt.	R2-1(40)	1
21+60	20' Rt.	W8-3a	1
TOTAL			3

* FOR INFORMATION ONLY

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. POSTS FOR STREET NAME SIGNS (SNS): POSTS SHALL BE 9 FEET LONG, CONSTRUCTED FROM 2 3/8" O.D. GALVANIZED STEEL PIPE WEIGHING A MINIMUM OF 3 LBS./FOOT. POSTS SHALL BE POSITIONED SO THAT THE BOTTOM BLADE IS 7 FEET ABOVE GRADE.
4. POSTS FOR END OF ROADWAY SIGN TO BE 8' LONG AND INSTALLED A MINIMUM OF 4' FROM ROADWAY TO BOTTOM OF SIGN.
5. SIGN BLANKS FOR TRAFFIC CONTROL SIGNS: SIGN BLANKS SHALL BE FABRICATED FROM 0.080" ALUMINUM ALLOY 6063-T6 CONFORMING TO THE REQUIREMENTS OF SUBSECTION 1626 OF THE STANDARD SPECIFICATIONS.
6. SIGN BLADES FOR STREET NAME SIGNS: EXTRUDED ALUMINUM BLADES SHALL BE ALUMINUM ALLOY CONFORMING TO 6063-T6 OR 5052-H38 (ASTM SPECIFICATION B221, LATEST ISSUE). BLADES SHALL HAVE AN ALODINE OR PHOSPHATE ETCHED FINISH. BLADES SHALL HAVE SQUARE CORNERS AND NO HOLES.

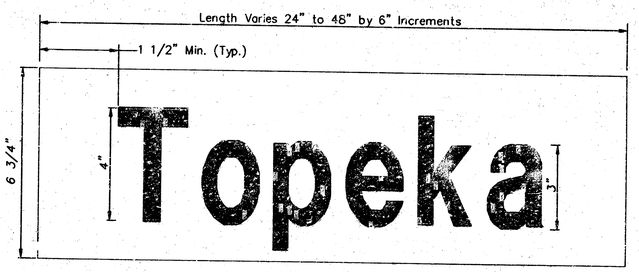
   MINIMUM BLADE LENGTH SHALL BE 24". MAXIMUM BLADE LENGTH SHALL BE 48". LENGTH VARIES BY INCREMENTS OF 6".

   BLADES BEARING THE STREET NAMES SHALL BE FIRMLY ATTACHED TO THE MOUNTING BRACKETS USING ALLEN-TYPE SET SCREWS. THE BLADES SHALL BE ORIENTED PARALLEL TO THE STREET.
7. MOUNTING BRACKETS FOR SIGNS: DIE-CAST ALUMINUM BRACKETS SHALL BE ALUMINUM ALLOY 360 HAVING A TENSILE STRENGTH OF 44,000 PSI. THE BRACKETS SHALL BE SMOOTHLY FINISHED FREE OF PITS, BURRS, AND FLAWS. EACH BRACKET SHALL BE TAPPED AND DRILLED FOR 5/16" ZINC-PLATED ALLEN-TYPE SET SCREWS HAVING SELF-LOCKING SAW-TOOTH ENDS.
8. FASTENERS: ALL STEEL FASTENERS FOR TRAFFIC CONTROL SIGNS SHALL BE GALVANIZED AND SHALL CONFORM TO THE REQUIREMENTS OF SUBSECTION 1614 OF THE STANDARD SPECIFICATIONS.
9. REFLECTIVE SHEETING: REFLECTIVE SHEETING SHALL BE TYPE II - HIGH PERFORMANCE CLASS HA IN ACCORDANCE WITH SUBSECTION 2201 OF THE STANDARD SPECIFICATIONS.
10. PROCESS INK: ALL PROCESS INK SHALL CONFORM TO THE REQUIREMENTS OF SUBSECTION 2202 OF THE STANDARD SPECIFICATIONS.
11. DETAILS: REGULATORY AND WARNING SIGNS SHALL CONFORM TO THE DETAILS IN "STANDARD HIGHWAY SIGNS", FHWA, 1979.
12. DETAILS - SNS: THE REFLECTIVE SHEETING FOR THE 6 3/4" STANDARD SIZE SNS IS TO BE THE HIGHWAY GREEN BACKGROUND WITH SILVER-WHITE #2 COPY WITH 4" UPPER CASE AND LOWER CASE PRIMARY COPY AND SUFFIX COPY. BOTH SERIES "C". FACES TO TRIM TO A 6 1/4". (SEE DETAIL A.)

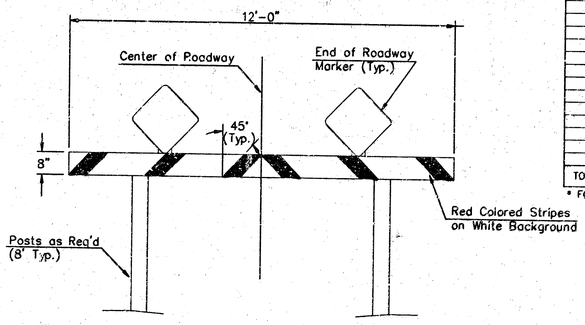
    THE REFLECTIVE SHEETING FOR THE 9" METRO SIZE SNS IS TO BE THE HIGHWAY GREEN BACKGROUND WITH SILVERWHITE #2 COPY WITH 5" UPPER CASE AND LOWER CASE PRIMARY COPY AND SUFFIX COPY, BOTH SERIES "C". THE CARDINAL DIRECTION CENTERED DIRECTLY BELOW THE BLOCK NUMBER SHALL BE AN UPPER CASE, 3" SERIES "C" LETTER. FACES TO TRIM TO A 8 1/2" WIDTH. (SEE DETAIL B.)

    FOR CUL-DE-SAC STREETS, A 9" METRO SIZE BLADE SHALL BE USED WITH THE HOUSE NUMBERS DISPLAYED BENEATH THE STREET NAME. LETTERING TO BE THE SAME AS FOR THE 6 3/4" SIZE BLADE, EXCEPT THAT THE HOUSE NUMBER INFORMATION SHALL BE 4" SERIES "C".

    SHOP DRAWINGS OF LAYOUT FOR SNS SHALL BE SUBMITTED TO THE TRAFFIC ENGINEERING DIVISION OF THE CITY OF WICHITA FOR APPROVAL PRIOR TO FABRICATION. THE FINISHED SIGNS AS SUPPLIED SHALL BE OF GOOD APPEARANCE, FREE FROM RAGGED EDGES, CRACKS SCALES OR BLISTERS AND SHALL BE CLEAN-CUT. SIGNS SHALL BE PACKED IN SUCH MANNER AS TO PREVENT DAMAGE OR DEFACEMENT DURING SHIPMENT OR STORAGE.
13. PERMANENT TRAFFIC CONTROL AND SNS: PERMANENT TRAFFIC CONTROL AND SNS SHALL BE MEASURED AND PAID FOR AT THE LUMP SUM PRICE FOR SIGNING. THE PAYMENT AS SET FORTH ABOVE SHALL BE CONSIDERED FULL COMPENSATION FOR ALL EXCAVATION, BACKFILLING, POSTS, ANCHORS, FASTENERS, MATERIALS, LABOR, TOOLS AND INCIDENTALS NECESSARY TO COMPLETE THIS WORK.

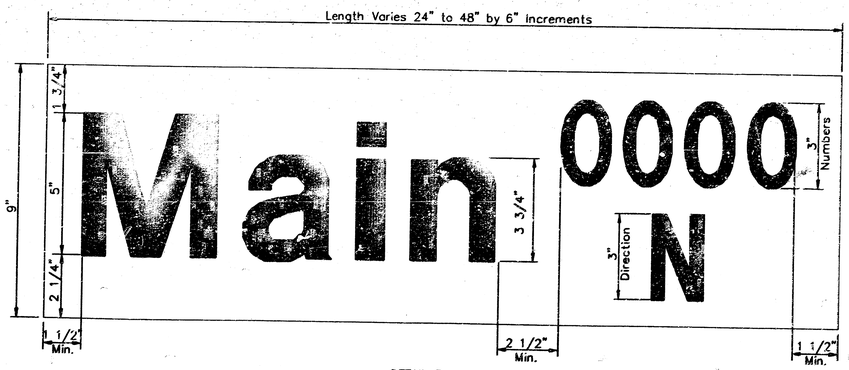


DETAIL A
6 3/4" STANDARD

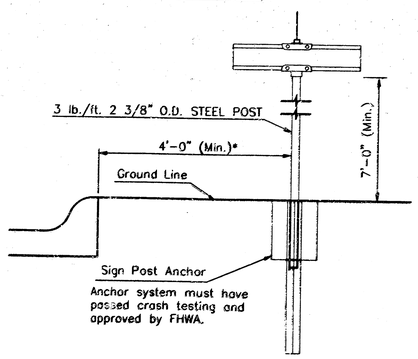


TYPE I BARRICADE DETAIL W/ E.O.R. MARKER

STREET NAME	NO. BLADES REQ'D	
	6 3/4" STD.	9" METRO



DETAIL B
9" METRO



TYPICAL STREET NAME SIGN MOUNTING INSTALLATION
CURB AND GUTTER SECTION

City of Wichita Public Works
Signing Detail
29th Street North

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PROJECT NUMBER 118 PPP 607879 | SHEET 2 of 5

DESIGN	DRAWN	APPROVED	DATE	SCALE
C.O.W.	Staff			None

report/signdet

05/18/1999 09:33:17 PAT1.DWG

BENCHMARK:

City Disc 45' North of 1/4 Corner, 1/2 Mile East of Ridge Road on 25th St. North.
Elev. = 1328.47 NGVD
= 141.07 City Datum

City Disc at S.W. Corner of R.C.B.C. for Big Slough at Ridge Road
Elev. = 1331.62 NGVD
= 144.22 City Datum

Remove and Relocate Existing Mailboxes as Necessary for Construction (Cost shall be Included in Site Clrg. & Rest.)

Note: Contractor shall Contact Ron Preuss with Central Kansas Railway (263-3113) at least 48 hours prior to Construction to Coordinate Paving in Vicinity of Railroad Crossing.

Pavement Detail
(Transverse Section)

2" Asphaltic Concrete Wearing Surface
6" A.C. Pavement With 4" Bit. Base
Grade Shoulder to Ditch (Slope Varies)
Slope = 1/4" per Ft.
4" Bituminous Base
Existing Sand & Gravel Roadway
6" Crushed Rock Base on Fabric Reinforcement
Natural Ground

RIDGE PORT ADDITION
LOT 1, BLOCK 1

Regrade Ditches (Both Sides) to Drain as Shown. (Cost of Grading shall be Incidental to Project Cost.)

Match Line Sta. 9+00

Existing W10-1 Railroad Sign

10' Sanitary Sewer Easement by Separate Instrument

SCALE:
1" = 40' HORIZONTAL
1" = 5' VERTICAL
• = IRON

Ridge Road

Sta. 0+00 = ℄ Ridge Rd.

75' R/W

40' R/W

UNPLATTED

29th Street North

50' R/W

Valve Box Elev. = 139.34

Sta. 1+70, 20' ±: Install R2-1 (40) Sign

Existing W10-1 Railroad Sign

Construct 6" A.C. Pvm't w/6" Reinf. Rock Base w/ pvmt. markings on Existing Sand & Gravel Roadway. (See Details, This Sheet.)

Regrade Ditches (Both Sides) to Drain as Shown. (Cost of Grading shall be Incidental to Project Cost.)

℄ Central Kansas Railway

130' R/W

SW Cor. of SW1/4 Sec. 34, Twp. 26S, R 1W

Sta. 0+98.93 Begin Const. of 6" A.C. Pvm't w/6" Reinf. Rock Base w/ pvmt. markings on Existing Sand & Gravel Roadway. (See Details, This Sheet.)

Remove and Relocate Existing Mailboxes as Necessary for Construction (Cost shall be Included in Site Clrg. & Rest.)

Pavement Marking Detail
No Scale

4" Solid White Edge Line
4" Broken Yellow Center Line
4" Solid White Edge Line
10'
30'
13'
14'
℄ EOA

Note: All pavement markings shall be the "Cold-Laid Plastic Tape" type (White and Yellow), meeting the required specifications of the Kansas Dept. of Transportation.

Sta. 10+00 = ℄ Ridge Rd.

Sta. 0+98.93 Begin Construction of 5" A.C. Pvm't on Existing Sand & Gravel Roadway.

Proposed Grade on CL

Existing Grade on CL

Central Kansas Railway

Sta. 9+00 Match Line

29th Street North

145
140
135
130

139.42 = CL Grade (10+00)
138.72 = CL Grade (0+98.93)
139.21 = CL Grade (2+00)
139.15 = CL Grade (3+00)
139.21 = CL Grade (4+00)
139.48 = CL Grade (5+00)
139.92 = CL Grade (6+00)
138.71 = CL Grade (7+00)
138.47 = CL Grade (8+00)
138.42 = CL Grade (9+00)

10+00 | 0+98.93 | 2+00 | 3+00 | 4+00 | 5+00 | 6+00 | 7+00 | 8+00 | 9+00

RIDGE PORT ADDITION
29th ST. NORTH
STA. 0+00 TO STA. 9+00

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PROJECT NUMBER 118 PPP 607879
SHEET 3 OF 5

DESIGN	DRAWN	APPROVED	DATE	SCALE
EMV	JAK		3-15-99	NOTED

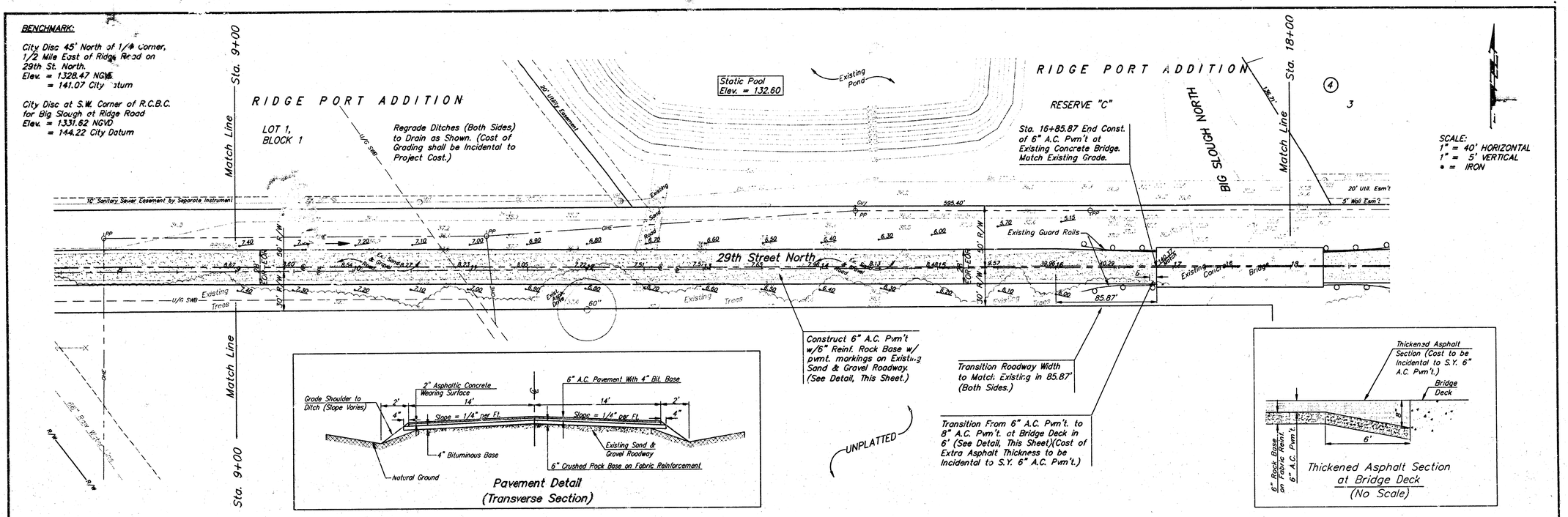
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BENCHMARK:

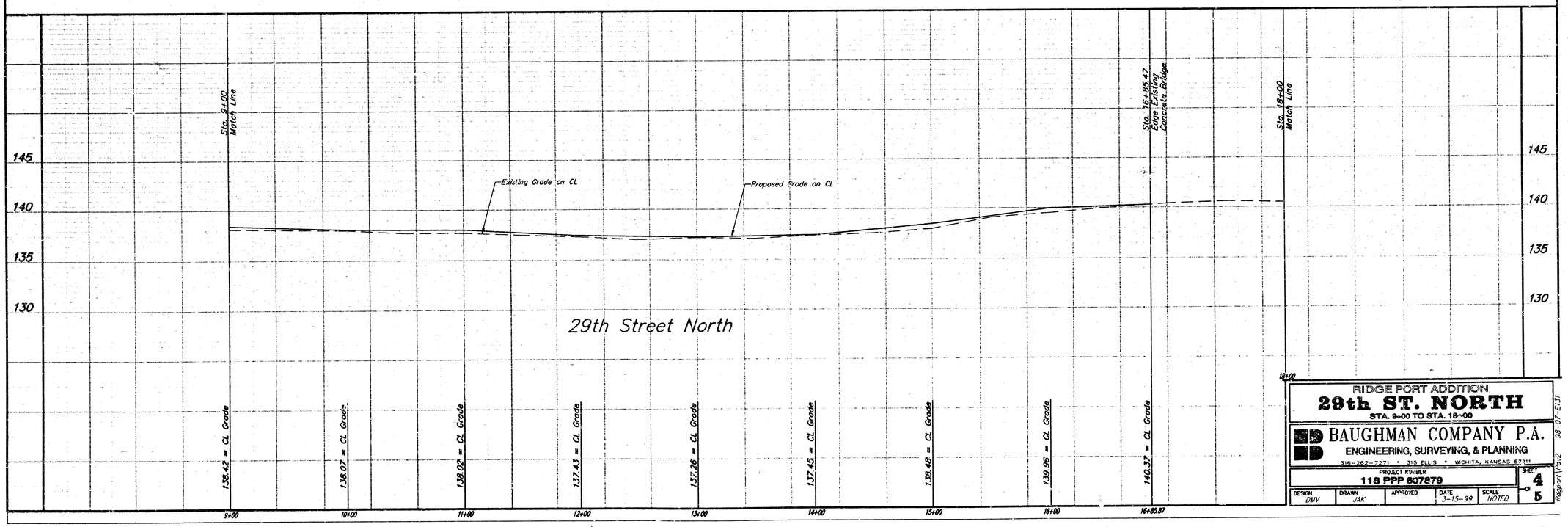
City Disc 45' North of 1/4 Corner, 1/2 Mile East of Ridge Road on 29th St. North.
Elev. = 1328.47 NGVD
= 141.07 City Datum

City Disc at S.W. Corner of R.C.B.C. for Big Slough at Ridge Road
Elev. = 1331.62 NGVD
= 144.22 City Datum



Pavement Detail
(Transverse Section)

Thickened Asphalt Section at Bridge Deck
(No Scale)



RIDGE PORT ADDITION
29th ST. NORTH
STA. 9+00 TO STA. 18+00

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PROJECT NUMBER	SHEET
118 PPP 607879	4 OF 5

DESIGN	DRAWN	APPROVED	DATE	SCALE
DMV	JAK		3-15-99	NOTED

98-07-E131
Ridport\Po.2

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RIDGE PORT ADDITION

RESERVE "C"

BIG SLOUGH NORTH

Match Line Sta. 18+00

Sta. 18+28.41 Begin Const. of 6" A.C. Pvm't at Existing Concrete Bridge. Match Existing Grade.

Sta. 19+30, 20' Lt. Install R2-1 (40) Sign

Res. "D"

Existing A.C. Pvmt

Sta. 21+58.17 = ℄ Ridge Port

Ridge Port

Res. "D"

Match Existing A.C. Pvm't at Entrance

Res. "F"

RIDGE PORT ADDITION

SCALE:
1" = 40' HORIZONTAL
1" = 5' VERTICAL
● = IRON

Existing Guard Rails

Existing Concrete Bridge

29th Street North

SE. Cor. of SW1/4 Sec. 34, Twp. 26-S, R 1-W

Match Line Sta. 18+00

Transition Roadway Width From 25' EOR-EOR to 28' EOR-EOR in 71.54' (Both Sides.)

Transition From 6" A.C. Pvm't. to 8" A.C. Pvm't. at Bridge Deck in 6' (See Detail, Sheet 4)(Cost of Extra Asphalt Thickness to be Incidental to S.Y. 6" A.C. Pvm't.)

Construct 6" A.C. Pvm't w/6" Reinf. Rock Base w/ pvmt. markings on Existing Sand & Gravel Roadway. (See Detail, This Sheet.)

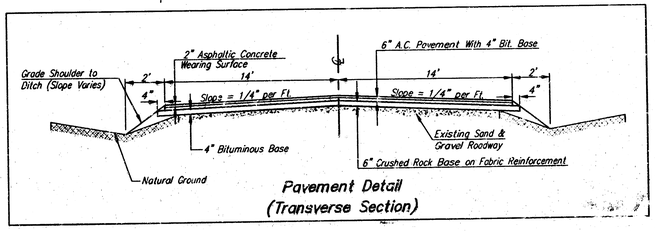
Smooth Existing Ditch Grades to Drain to Drcinageway (Cost shall be Incidental to Project Cost)

Sta. 22+60.00, End Construction of 6" A.C. Pvm't w/ 6" Reinf. Rock Base.

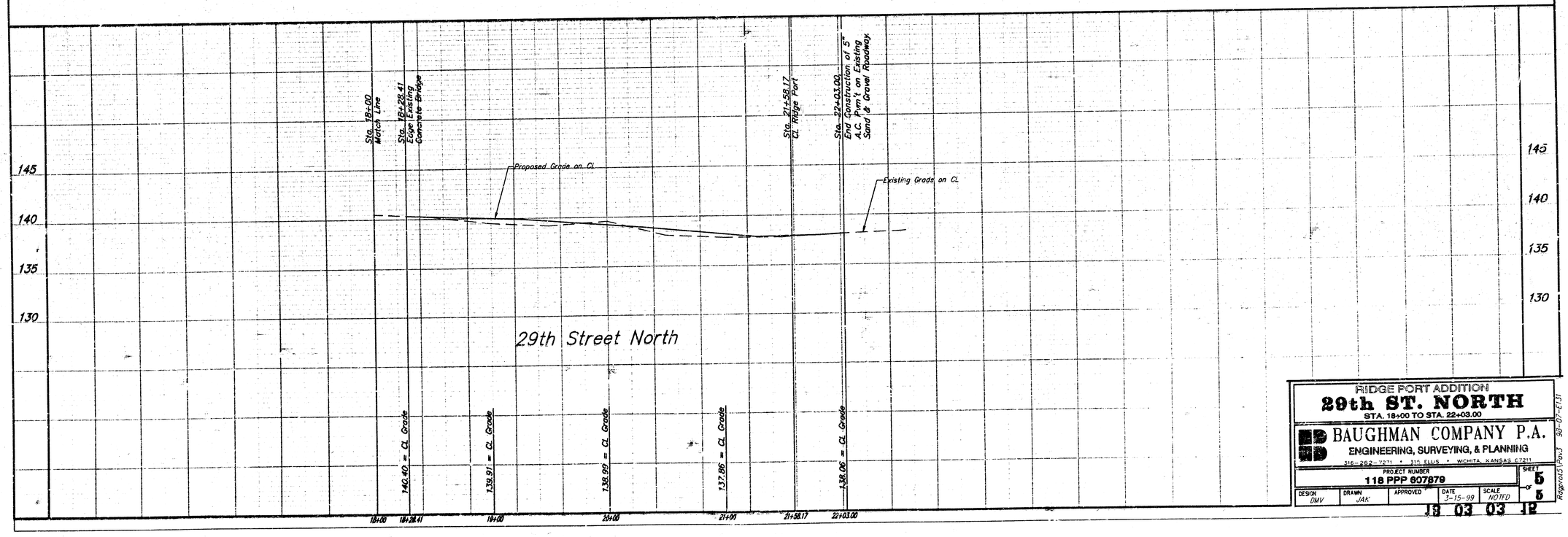
Transition Roadway Width to Match Existing in 65' (Both Sides.)

Sta. 21+60, 20' Rt. Install W8-3a (Pvmt. Ends) Sign

BAREFOUT BAY 2ND ADDITION



Pavement Detail
(Transverse Section)



RIDGE PORT ADDITION
29th ST. NORTH
STA. 18+00 TO STA. 22+03.00

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PROJECT NUMBER 118 PPP 607879

SHEET 5 OF 5

DESIGN	DRAWN	APPROVED	DATE	SCALE
DMV	JAK		3-15-99	NOTED

18 03 03 12

98-07-E131

Rdgprof5\Pan3