

BOEING COMMERCIAL AIRPLANE GROUP

WICHITA DIVISION

EROSION REPAIR SEE CORNER OF MASTER MODEL BUILDING

INDEX OF SHEETS

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105K-105-5 (C5) STORMWATER SKIMMER/TRAP

PROJECT AREA

LEGEND

- ▲ PERMANENT CONTROL MONUMENT
- ▲ SEMI-PERMANENT CONTROL MONUMENT

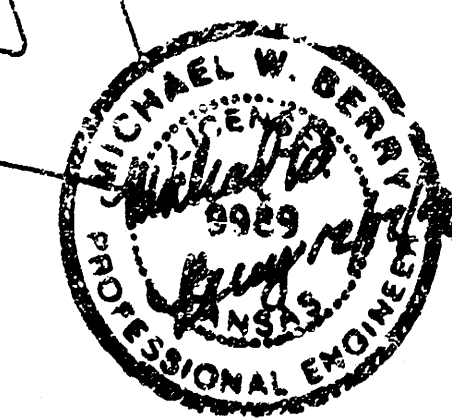


NO SCALE

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

SANITARY SEWERS _____
STORM SEWERS VRH 12/19/96
DRIVEWAY APPROACHES _____
WATER MAINS _____
PAVING _____

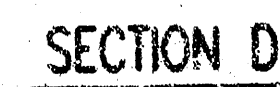
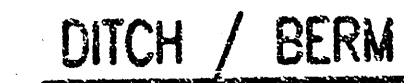
CITY OF WICHITA PRIVATE PROJECT
NO. 676PPS (607861)



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

DWG. NO. 105K-101-5

054R MKS 11/17/96 11:59:17 am
Q:\1994\9440\050\TITLE.DWG



NOTES: LETTERING SHALL BE STAMPED 1/4" BLOCK STYLE LETTERS. ALL NEW AND EXISTING (UNCOVERED AT POINT OF EXCAVATION) UNDERGROUND UTILITIES SHALL BE MARKED PER THE ABOVE REQUIREMENTS.

ANY DISTURBED MARKERS SHALL BE REPLACED.

MARKERS SHALL BE 3" FLAT BRASS SURVEY MARKER, UETZ #8434-08 OR BOEING PLANT ENGINEERING APPROVED EQUAL.

SERVICE CONTRACTORS MAY OBTAIN AND STAMP MARKERS AT THE UTILITY MAPPING CENTER (BLDG. 2-260G).

ACCESS CONTROL POINTS, MANHOLES, VALVES, ETC. COVERS SHALL REFLECT CORRECT UTILITY.

THE CONTRACTOR SHALL WATER ALL SOD IMMEDIATELY AFTER PLACEMENT. ALL SODDED AREAS SHALL BE KEPT THOROUGHLY WATERED BY THE CONTRACTOR FOR THIRTY DAYS AFTER PLACEMENT.



2. TOEWALLS SHALL BE INSTALLED ALONG EDGES OF STONE RIPRAP AS SHOWN IN SECTIONS.

MICRO FILM	☐ YES	☐ NO
PLANT ENGINEERING CONTACT:		
JERRY PUCKETT	526-1894	

PROFESSIONAL ENGINEERING CONSULTANTS
professional association
 303 South Tropica / (010) 282-2891
 Michu, Toronto 0102

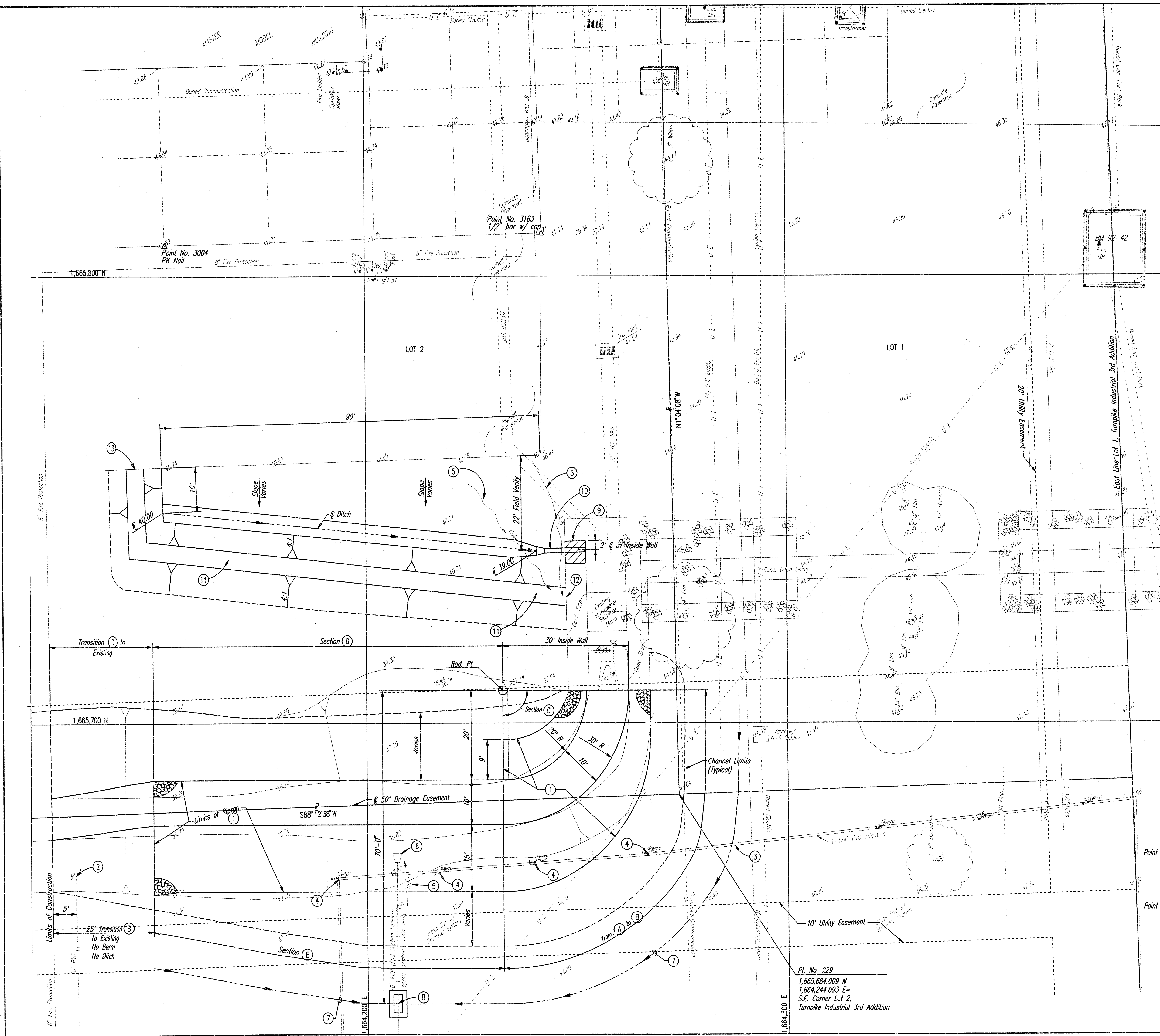
Job No. 36-94400-50-196

MMWB
 Designed by
 Drawn by

DEP
 Sheet C2 of 5

Sym 0
 Project No. 6C-5532-00
 Sheet C2

Date Dec. 96
 Drawing No. 105K-102-5



- ① INSTALL 24" LIGHT STONE RIPRAP ON 6" STONE FILTER COURSE.
- ② ABANDON IN PLACE
- ③ CAP AND ABANDON IRRIGATION MAIN. REPAIR AFTER PROJECT CONSTRUCTION BY BOEING PERSONNEL.
- ④ SALVAGE MATERIALS FROM ABANDONED SPRINKLER LINE AND DELIVER TO BOEING AS DIRECTED.
- ⑤ OVEREXCAVATE, BACKFILL AND COMPACT GULLY AREA. SEE DETAIL.
- ⑥ SALVAGE FAILED PIPE AN/OR END SECTION. RESET TO GRADE AFTER GULLY BACKFILL IS COMPLETE.
- ⑦ TOE DITCH AND OVERFLOW BERM. SEE TYPICAL SECTIONS.
- ⑧ CONSTRUCT 4'X2' AREA INLET. TOP ELEVATION = 1342.0. CONNECT TO EXISTING RCP. FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS.
- ⑨ REMOVE AND REPLACE 5'X5' CONCRETE SLAB IN KIND.
- ⑩ INSTALL 12'X10' RCP WITH END SECTION UPSTREAM FLOWLINE = 1339.0. DOWNSTREAM FLOWLINE = 1338.9. SAW CUT NEAT LINES IN BASIN WALL. GROUT IN WITHIN NON-SHRINK GROUT.
- ⑪ DITCH AND BERM. SEE DETAILS.
- ⑫ BLEND BERM INTO BASIN WALL.
- ⑬ BLEND BERM INTO PAVEMENT.

Bench Mark List

BM 92-42 Chiseled "+" North Rim MH of Concrete
Electric Vault, 47' South & 172' East of
SE corner Master Model Bldg. El. 1347.31

Reference Ties

Point No. 3004 - PK Nail at South edge conc. drive
Chis. "+" at SE Cor. Tool Fab Bldg. 63.63' NE
SE bolt on Guard Post base 46.01' NW
PK Nail & Shiner near Post Ind. Valve 29.40' SW
At North edge Asphalt parking area

Point No. 3163 - 1/2" Rebar w/ PEC ID Cap
At SE Cor. Conc. Parking
At NE Cor. Asphalt Parking
PK Nail & Shiner 25.00' S
Chis. "+" at SE Cor. Master Model Bldg. 56.31' NW
PK Nail 89.59' W

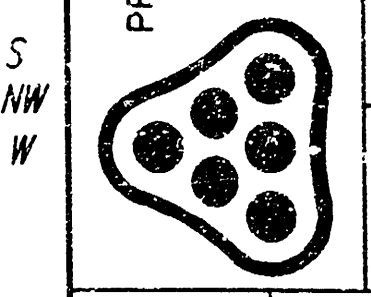
C.O.W. PROJ. NO. 676PPS (607861)

MICRO FILM ☐ YES ☐ NO

PLANT ENGINEERING CONTACT:
JERRY PUCKETT 526-1894

EROSION REPAIR S.E. CORNER OF
MASTER MODEL BUILDING
PLAN
BOEING COMMERCIAL AIRPLANE GROUP
KANSAS
WICHITA

PROFESSIONAL ENGINEERING CONSULTANTS



Sym	0	Date	Dec. 91
Project No.	5C-6092-00		
Sheet	C3		
Drawing No.	105K-103-5		



STANDARD AREA INLET



GENERAL NOTES

CONCRETE SHALL BE 3000 PSI 28-DAY STRENGTH. ALL EXPOSED EDGES SHALL BE FINISHED WITH AN APPROVED EDGING TOOL.

REINFORCING STEEL SHALL BE A MINIMUM GRADE 40, A.S.T.M. A615.
ALL DIMENSIONS RELATIVE TO PLACEMENT OF REINFORCING ARE TO THE
CENTERLINE OF BARS UNLESS OTHERWISE NOTED.

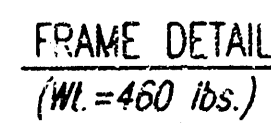
INLET CASTINGS SHALL BE MANUFACTURED USING GOOD QUALITY GRAY IRON CONFORMING TO CLASS 30 OF A.S.T.M. DESIGNATION A-48. DIMENSIONS AND WEIGHTS SHOWN ON THE DETAILED DRAWINGS SHALL BE CONSIDERED AS MINIMUM REQUIREMENTS AND ANY DEVIATIONS FROM THE DIMENSIONS SHOWN MUST BE SPECIFICALLY APPROVED. THE FINISHED CASTINGS SHALL BE OF UNIFORM QUALITY, FREE FROM BLOWHOLES, POROSITY, HARD SPOTS, SHRINKAGE DISTORTIONS OR OTHER EFFECTS.

MASONRY WALLS SHALL BE CONSTRUCTED IN A WORKMANLIKE MANNER.
ONLY SEWER BRICK MAY BE USED.

INLET FLOOR SHALL BE SHAPED WITH UNREINFORCED CONCRETE (8 SACK SAND MIX) TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.

EXISTING PIPES ENTERING STRUCTURE SHALL BE CENTERED ON INSIDE FACE OF WALL, AND SHALL BE CUT FLUSH WITH THE INSIDE FACE WALL.

PRECAST CONCRETE INLET MAY BE USED IN LIEU OF MASONRY, AS SHOWN, SUBJECT TO APPROVAL OF SHOP DRAWINGS BY THE ENGINEER.



C.O.W. PROJ. NO.		PPS (607861)	
MICRO FILM	☐ YES	☐ NO	
PLANT ENGINEERING CONTACT:			
JERRY PUCKETT	526-1894		

REGIONAL ENGINEERING CONSULTANTS
Professional association
433 South Topeka / (316) 262-2691
Wichita, Kansas 67202

EROSION REPAIR S.E. CORNER OF
MASTER MODEL BUILDING
AREA INLET DETAILS
BOEING COMMERCIAL AIRPLANE GROUP
WICHITA KANSAS

ACCEPTABILITY
THIS DESIGN AND/OR

JENSEN

DATE	SYM
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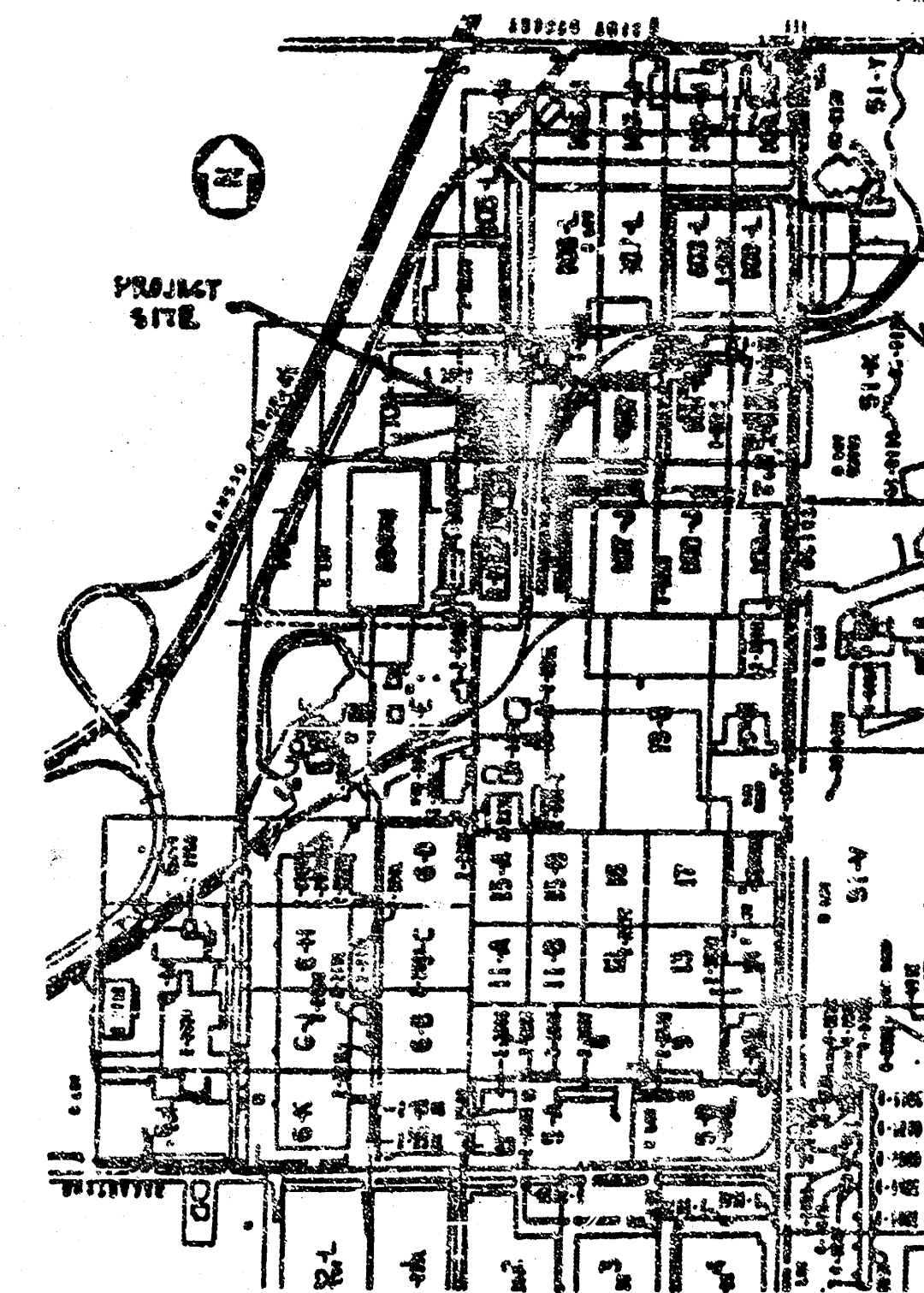
DECISION

BY	APPROVED
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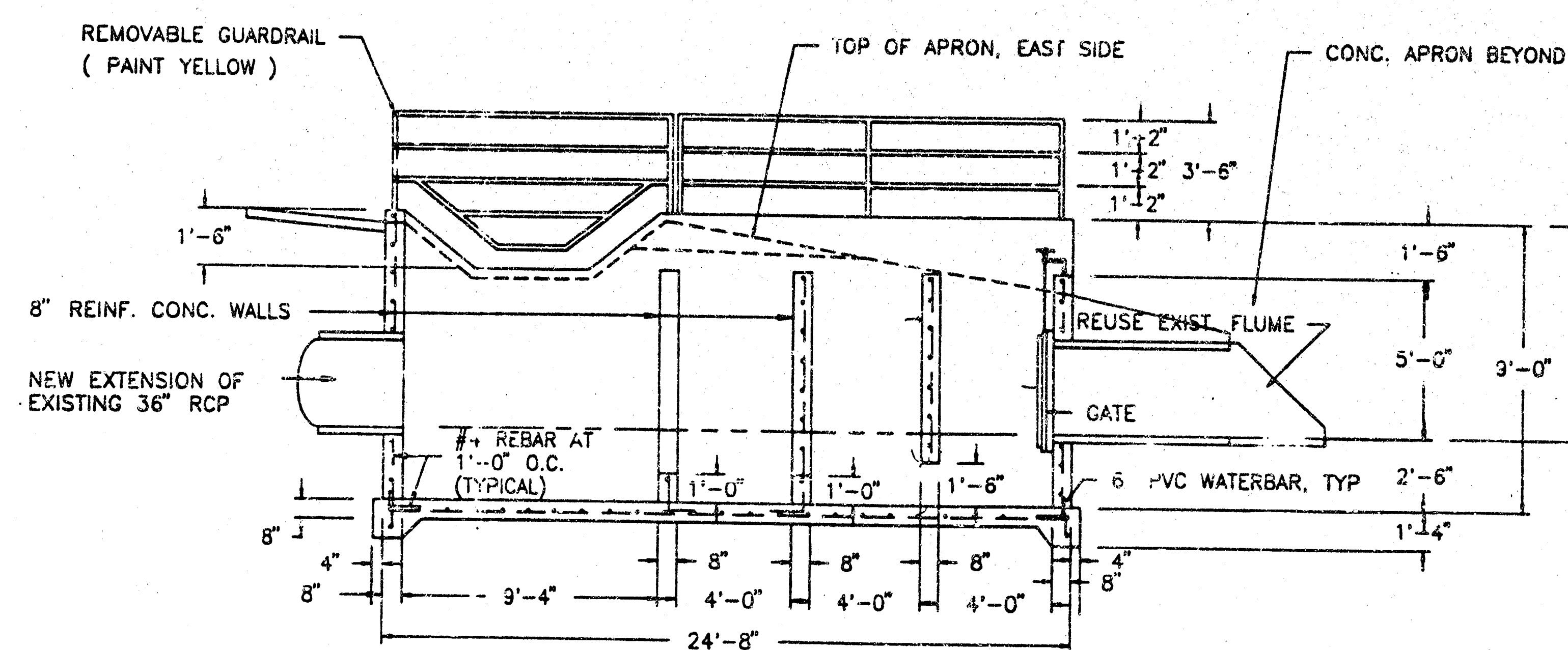
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Sheet C4

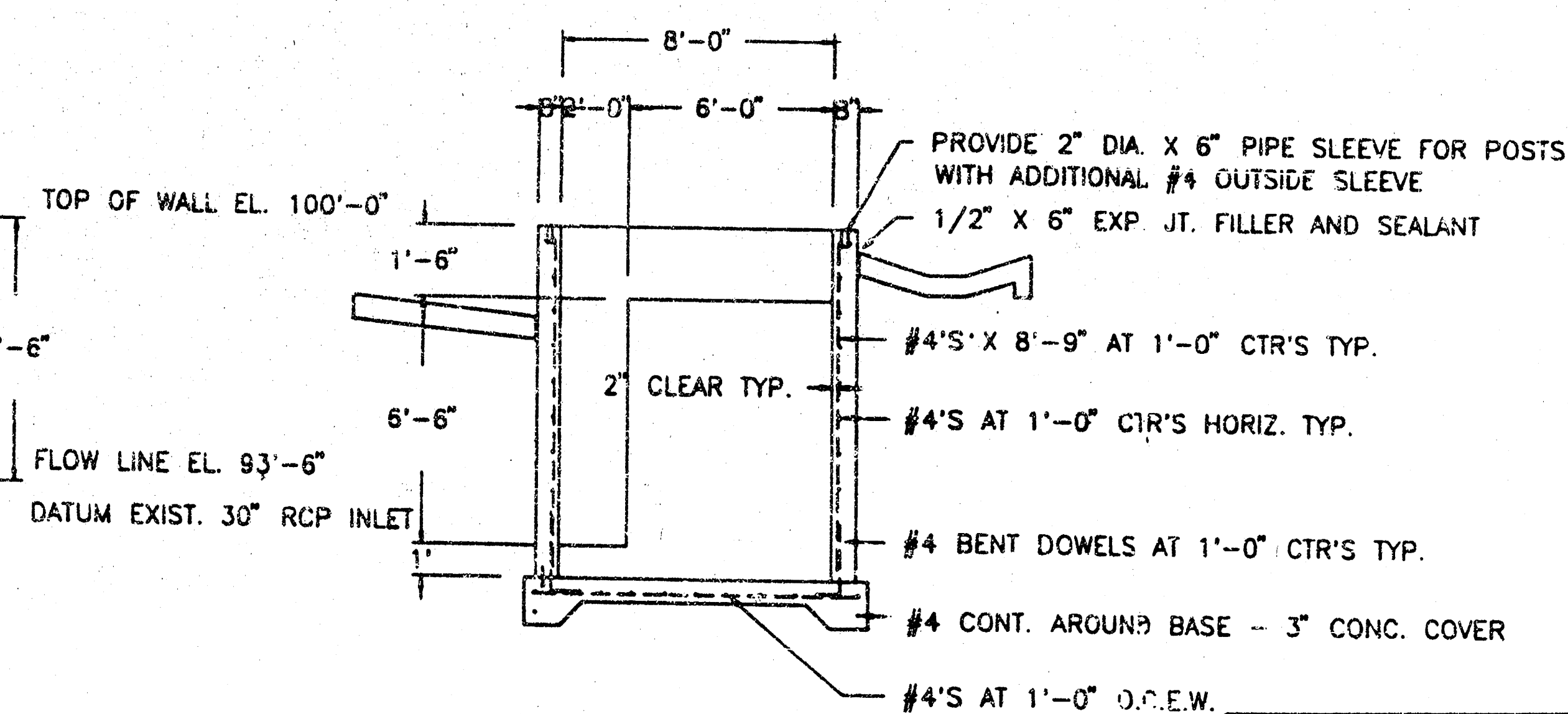
Drawing No.
105K-104-5



NOTES:
CONCRETE: 4000 PSI, 3/4" ROCK, 5% AIR, 4" MAX. SLUMP.
REBAR: ASTM - A615, GRADE 60.
CUT & PATCH ON EAST SIDE TO MATCH FLUME PROFILE; FILL AND
BACKFILL AS REQUIRED TO SEED GRASS.
STEEL PIPE GUARDRAIL TO BE PAINTED.
SLURRY RATE TO BE FRESHNO 20-100, 36" DIA., CAST IRON
PROVIDE SKIMMER AND DRAIN DOWN PIPING TO REMOTE COUPLING
AT ADJACENT CONCRETE SLAB TO THE NORTH.
REMOVE RCP PIPE AS REQUIRED ON NORTH INCOMING 36" LINE TO
PROVIDE 45 DEGREE TRANSITION TO AND AT NEW BAFFLE STRUCTURE.



SECTION A

$$1/4'' = 1'-0''$$


SECTION B

$$1/4'' = 1'-0''$$

FOR INFORMATION ONLY

THIS SHEET PROVIDED AS BEST AVAILABLE
RECORD OF STRUCTURE IN PLACE. CONTRACTOR
SHALL VERIFY CONDITIONS IN FIELD.

BOEING STORMWATER SKIMMER / TRAP

SNODGRASS CONSTRUCTION CO.

7/17/95

REVISIONS:



RAY E. LOWEN, ARCHITECT
1255 S. SAGEBRUSH CT.
WICHITA, KANSAS 67230

FOR CONSTRUCTION

BOEING COMPANY
3801 S. OLIVER,
WICHITA, KANSAS 67210

STORMWATER
SKIMMER / TRAP

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