

CITY OF LAS VEGAS, NEVADA

DEPARTMENT OF PUBLIC WORKS

CHARLESTON UNDERPASS DRAINAGE IMPROVEMENTS

BASIS OF BEARINGS

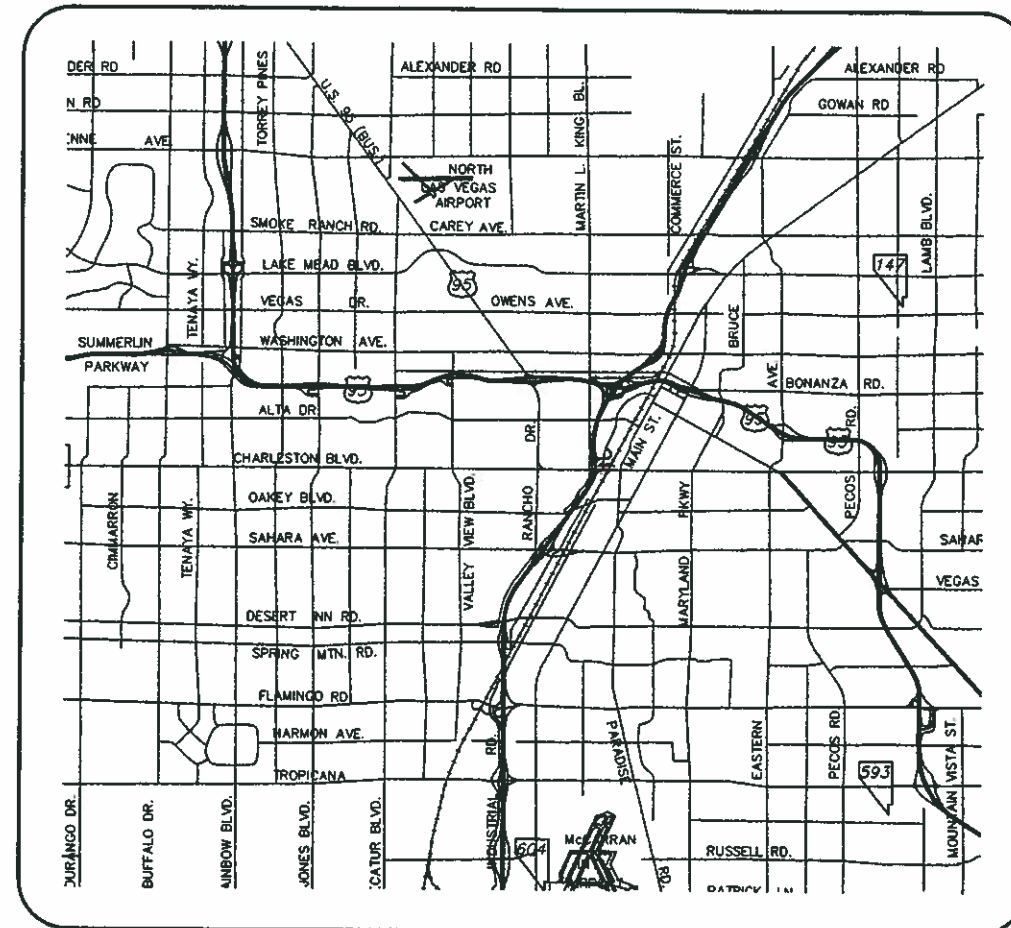
NORTH 89°52'03" WEST BEING THE SOUTH LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 33, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M., AS SHOWN BY THAT CERTAIN RECORD OF SURVEY FILE 90, PAGE 78 IN THE OFFICE OF THE CLARK COUNTY, NEVADA RECORDER. SAID LINE BEING THE CENTERLINE OF CHARLESTON AVE. ALSO BEING THE FIFTH STANDARD PARALLEL SOUTH.

NAVD88 BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL
BENCHMARK No. 2LV11 03NWS
RIVET AND PLATE IN THE TOP OF CURB, SE RETURN OF CHARLESTON BLVD. AND MAIN ST.
NAVD 88 ELEVATION 619.4061 METERS (2032.17 FEET)

LEGEND:

- CENTERLINE
- 'C' TYPE CURB & GUTTER
- 'W' SIDEWALK AND DRIVEWAY OR HANDICAP RAMP
- ROLL TYPE CURB & GUTTER
- 'A' TYPE CURB
- MASONRY WALL
- CHAINLINK FENCE
- CONCRETE "JERSEY" BARRIERS
- GUARD RAIL
- TRAFFIC BUTTONS (LANE DELINEATION)
- FLOW LINE
- PAINTED TRAFFIC DIRECTIONS
- TRAFFIC SIGNAL POLE
- TRAFFIC SIGNAL PULLBOX
- PEDESTRIAN SIGNAL POLE
- TRAFFIC LIGHT
- STREET LIGHT
- STREET LIGHT PULLBOX
- WOOD POWER POLE W/ GUY WIRE
- 6" DIA. METAL POWER POLE
- 2" DIA. METAL POWER POLE
- ELECTRIC MANHOLE
- SANITARY SEWER MANHOLE
- WATER VALVE
- WATER LOCATION PAINT
- WATER METER
- STORM DRAIN MANHOLE
- STORM DRAIN DROP INLET
- STORM DRAIN GRATE



VICINITY MAP

SHEET INDEX

SHT. NO.	DRAWING TITLE
1	COVER SHEET
2	PLAN
3	SECTIONS & DETAILS
4	DETAILS

ENCROACHMENT PERMIT
73-03 FEB 26
NDOT AUTHORIZED PLANS

FOR CHANGES FROM THE
CONTACT. IT'S CORRECT!
Call before you Overhead
1-702-593-6111
FOR CHANGES FROM THE
CONTACT. IT'S CORRECT!
Call before you Dig
1-800-227-2800
UNDERGROUND SERVICE (US)

**Berriman
Hengar**

4840 W. University Ave., Suite A-1
Las Vegas, NV 89103
(775) 252-7888

CITY OF LAS VEGAS - DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION

SCALE		DATE		BY	
DESIGN	DATE	BY	NO.	DESCRIPTION	REVISIONS
DRAWN					
CHECKED					
APPROVED					
PROJECT NO.			FILE NAME		

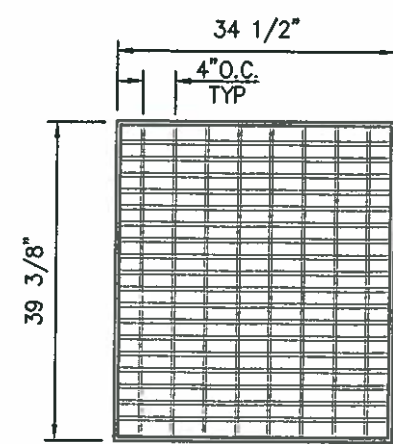
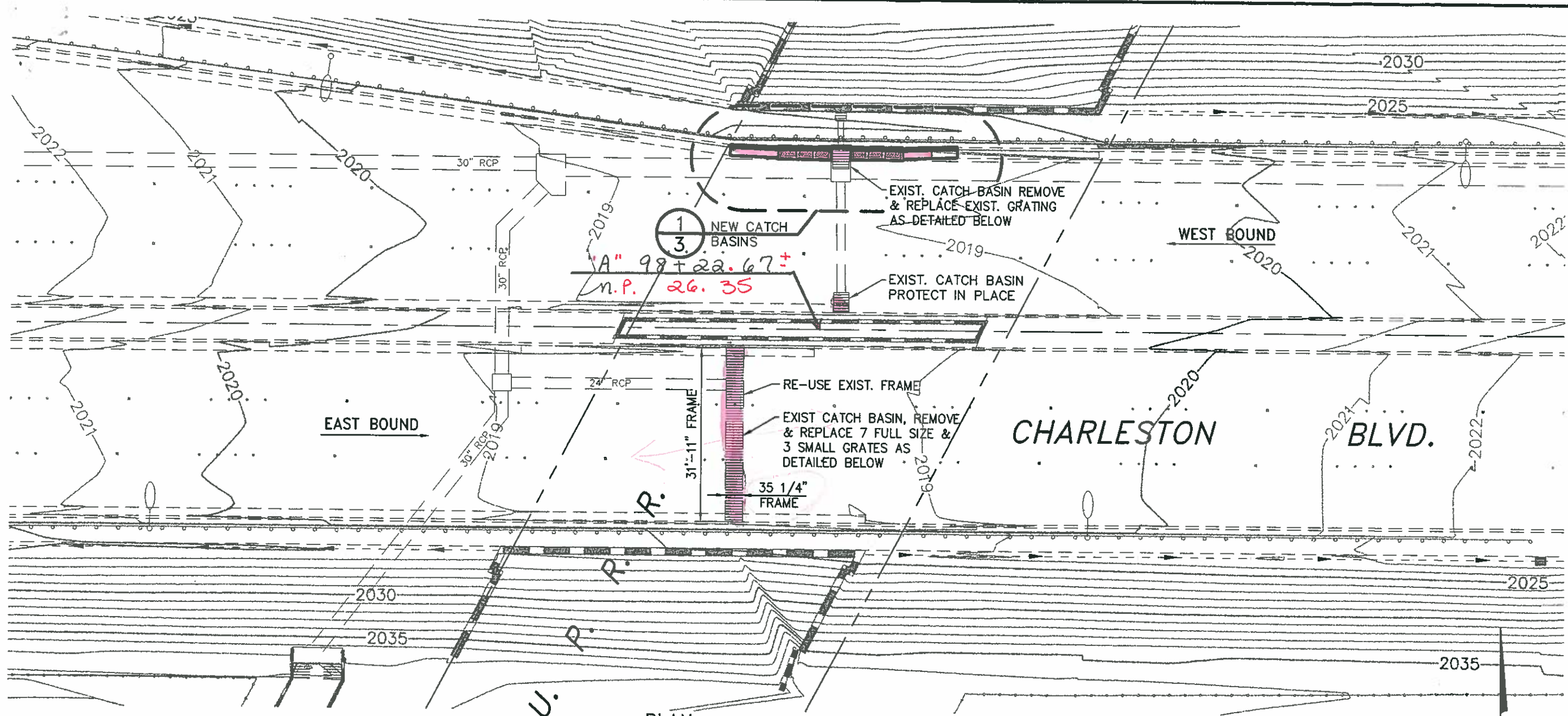
CHARLESTON BLVD DRAINAGE IMPROVEMENTS

CHARLESTON BLVD

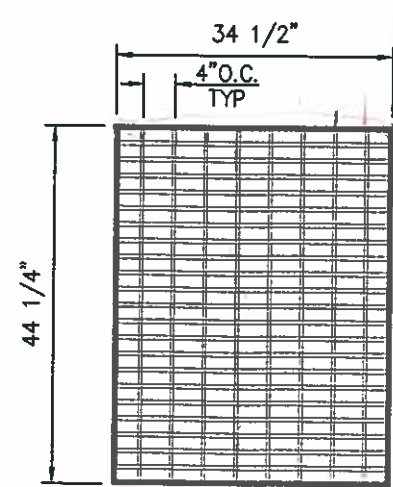
UNION PACIFIC RAILROAD OVERCROSSING

SHEET NO. 1

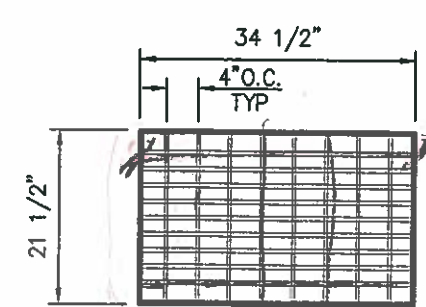
SHT. 1 OF 4



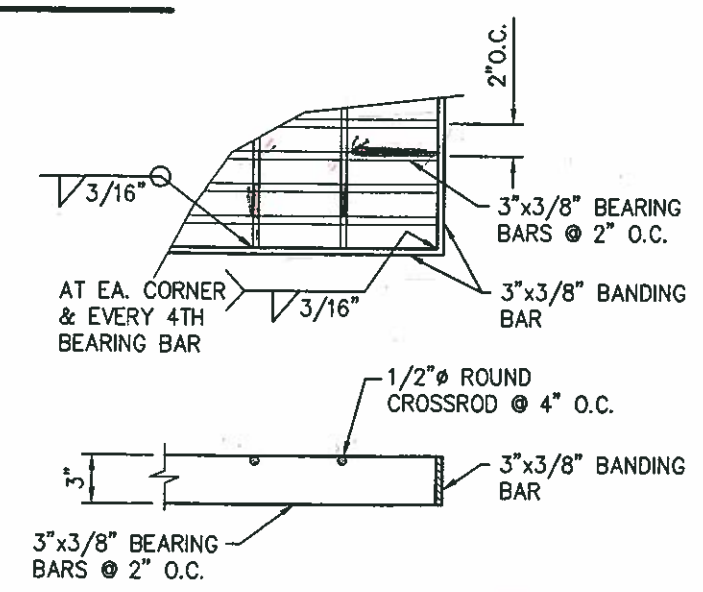
WEST BOUND
NORTHERN CB
(1 EACH REQ'D)



EAST BOUND LANES
(7 EACH REQ'D)



EAST BOUND LANES
(3 EACH REQ'D)



GRATING DETAILS
NTS

ENCROACHMENT PERMIT
73-03 FEB 26
NDOT AUTHORIZED PLANS

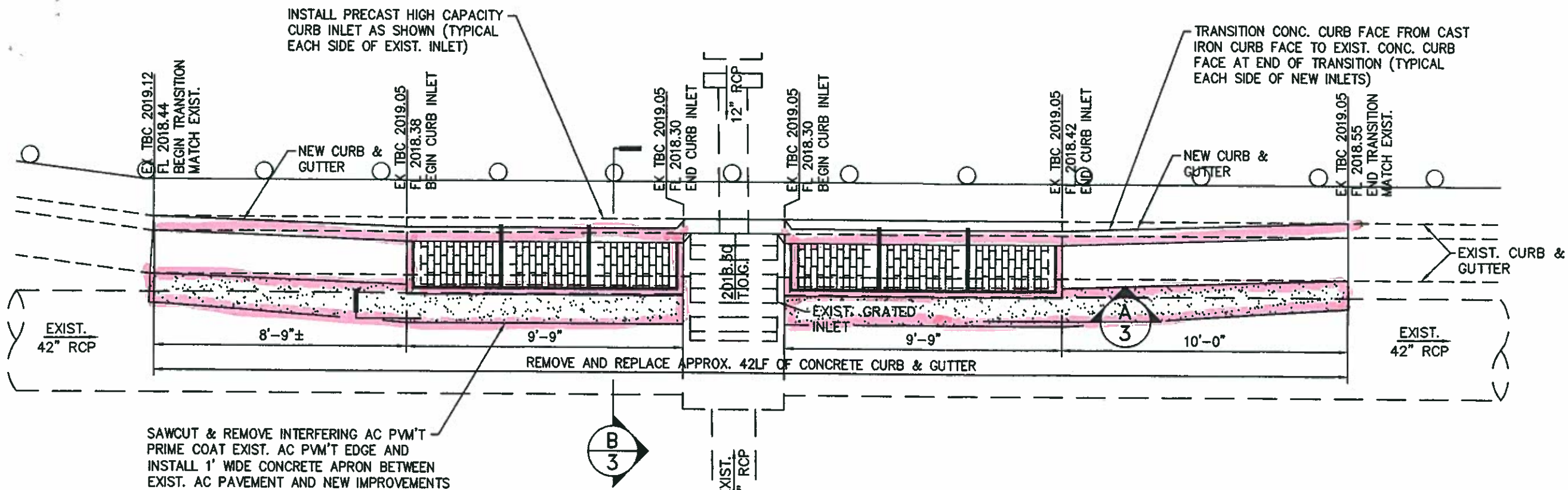
10 0 5 10
HORIZ: 1" = 20'



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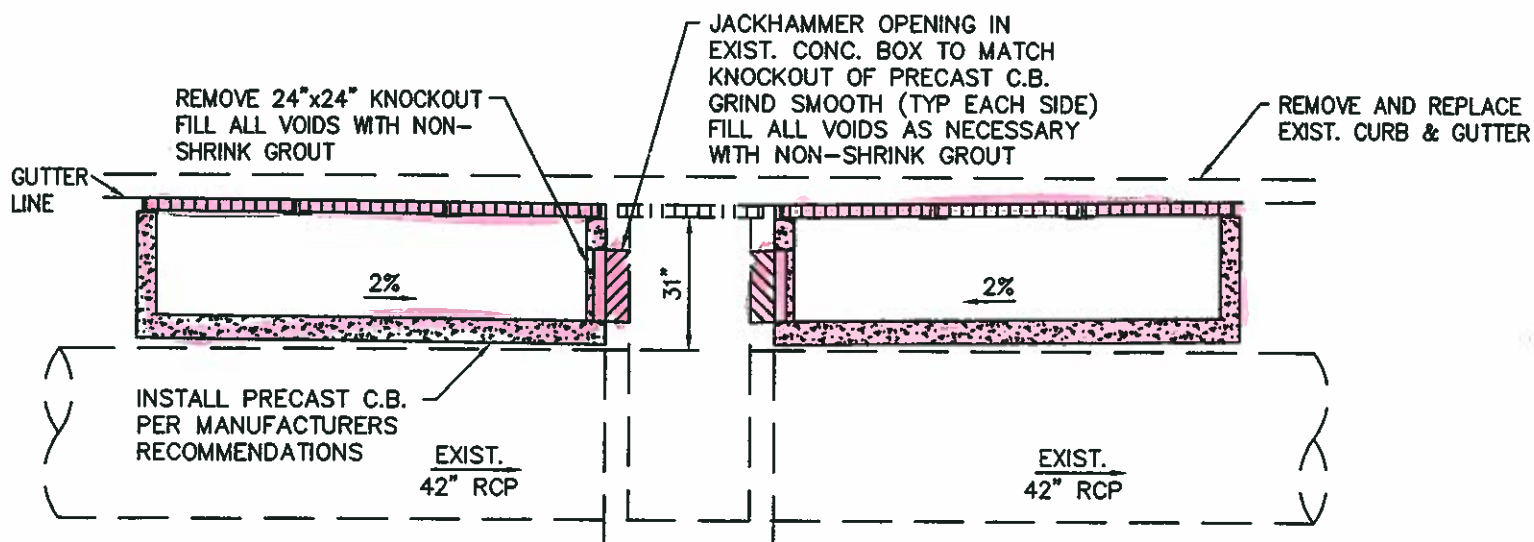
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Las Vegas, NV 89103
(775) 252-7886

CITY OF LAS VEGAS - DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION	
CHARLESTON BLVD DRAINAGE IMPROVEMENTS	
CHARLESTON BLVD	
UNION PACIFIC RAILROAD OVERCROSSING	
SHEET NO. 2	
SHEET 2 OF 4	
7/5/63	
E-47	
12/3/68	
	
SCALE: DESIGN: DRAWING: CHECKED: APPROVED: DATED:	
NO. DESCRIPTION DATE BY	
REVISIONS	
PROJECT NO. FILE NAME	

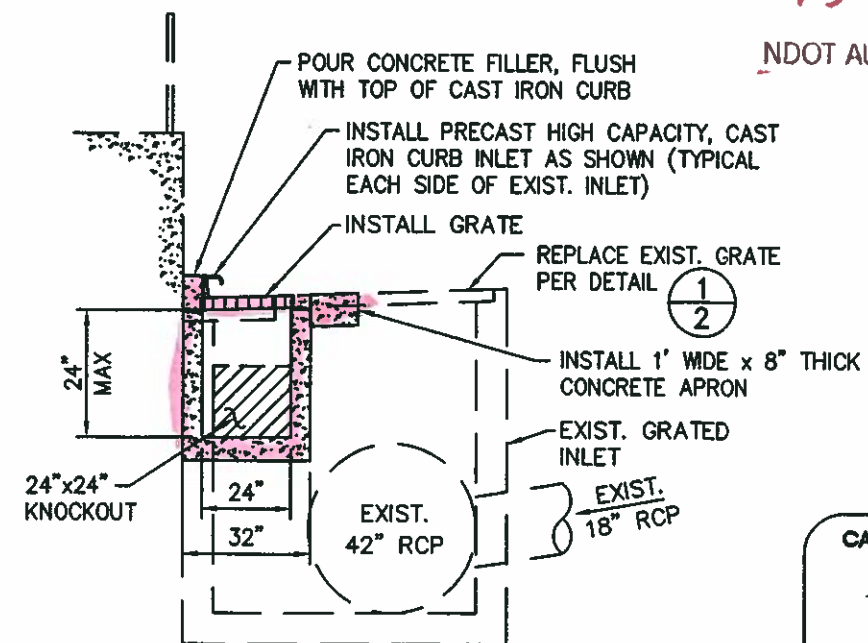


NOTE:
CONSTRUCT TYPE "L" CONCRETE CURB AND GUTTER PER
USD DWG No. 216.

INLET CONFIGURATION
DETAIL
SCALE: 1"=4'-0"



TYPICAL SECTION
SCALE: 1"=4'-0"



TYPICAL SECTION
SCALE: 1"=4'-0"

73-03 FEB 26 '03
NDOT AUTHORIZED PLANS



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Hanger

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Las Vegas, NV 89103
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CITY OF LAS VEGAS - DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION

CHARLESTON BLVD DRAINAGE IMPROVEMENTS

CHARLESTON BLVD

UNION PACIFIC RAILROAD OVERCROSSING

NO.	DESCRIPTION	DATE	BY
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

SCALE:	DESIGN:	DRAWN:	CHECKED:	APPROVED:	DATE:



PROJECT NO. FILE NAME

SHEET NO.
3
SHT. 3 OF 4

**CURB INLET
2436-X4**

NEENEH R-3295
DOUBLE, TRIPLE,
QUADRUPLE CAST
IRON FRAME, GRATE
AND CURB HOOD

32"
24"
4"
C
D

GROUT JOINT
IN FIELD

EXIST. GRATED
INLET

EXIST. 42"
RCP

OWN: DI243648-X4
D: H20 FULL TRAFFIC
CURB INLET, SEE DRAWING 2436-1A.
OF MODIFIED NDOT TYPE 3 OR CLARK COUNTY MODIFIED C OR

ES ALSO AVAILABLE:
C' = VARIABLE AS REQUIRED.
D' = VARIABLE UP TO 78" MAX (72" I.D.).

DIMENSION 'D' = VARIABLE UP TO 78" MAX (72" I.D.).

Model Suffix	No. of Grates	Dimensions	
		C	D
X2	2	41 1/2"	36"
X3	3	79"	48"
X4	4	116 1/2"	60"

JENSEN
PRECAST.



CALL BEFORE YOU DIG
DIG ALERT

1-800-227-2600
AVOID CUTTING UTILITY LINES
IT'S COSTLY

**Berryman
Henigar**

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CHARLESTON BLVD DRAINAGE IMPROVEMENTS

CHARLESTON BLVD

UNION PACIFIC RAILROAD OVERCROSSING

SECRET NO.

4

SET. 4 OF 4