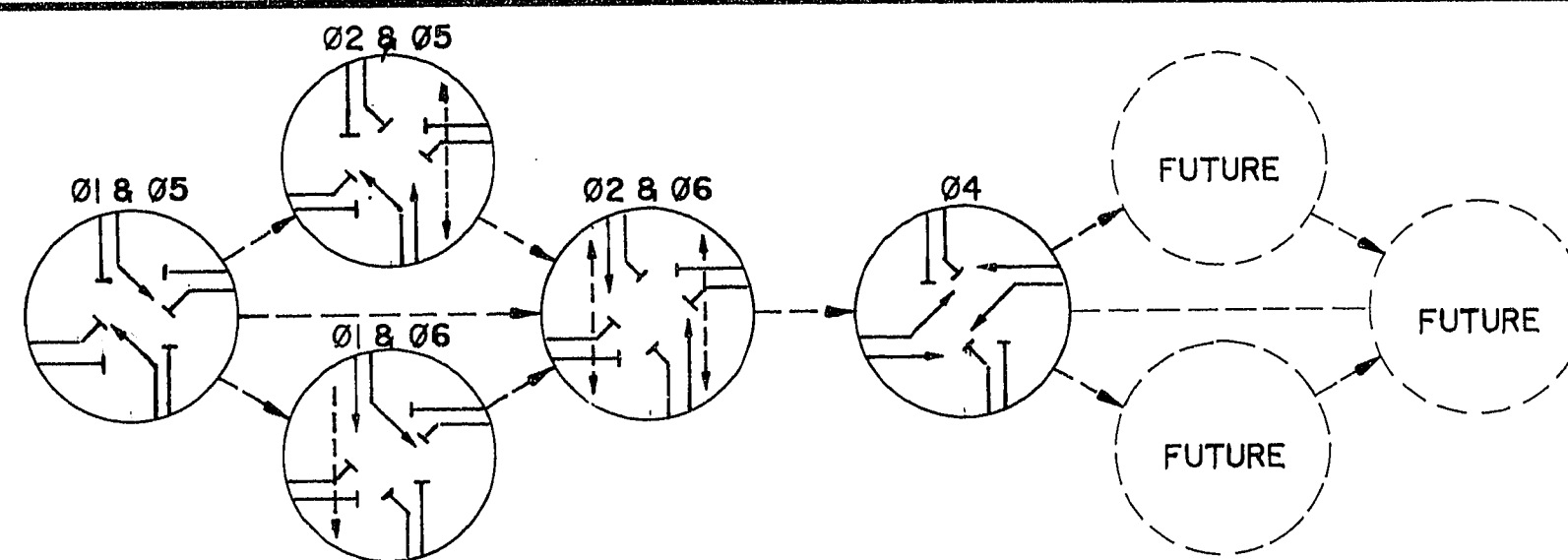
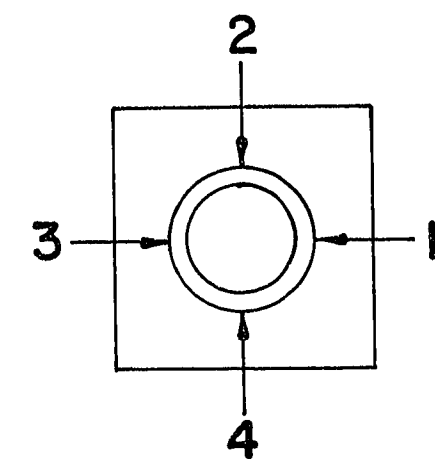


NOTES:

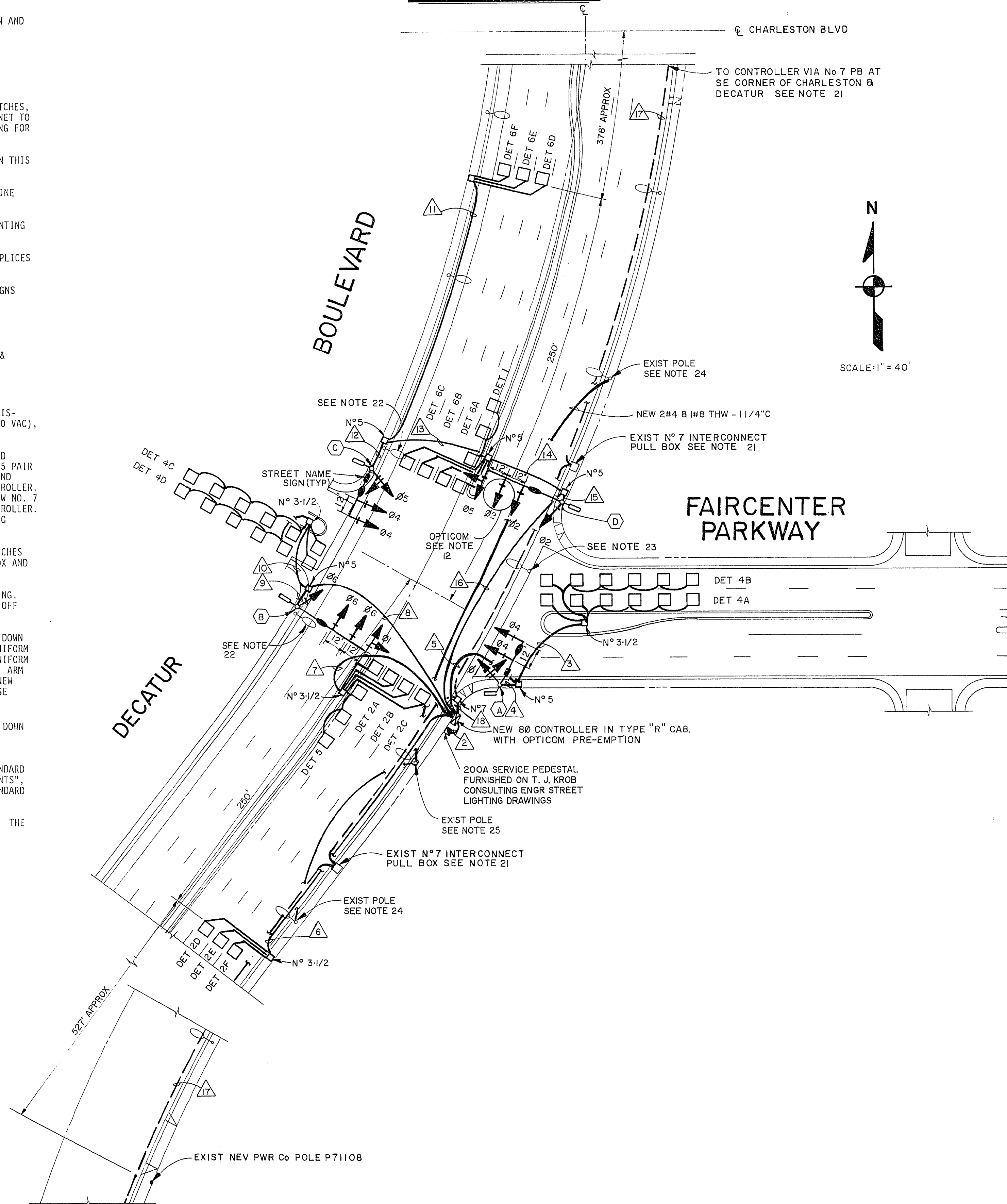
1. CHECK CONDUIT & WIRE SCHEDULE FOR CONDUIT, CABLE & WIRE SIZE.
2. **DELETED**
3. ALL CONDUCTORS SHALL BE COPPER.
4. THE ROUTING AND TERMINATION OF CONDUITS AND THE PLACING OF POLES AND CABINETS SHALL BE AS INDICATED ON PLANS. ALL CHANGES SHALL BE APPROVED BY THE TRAFFIC ENGINEER.
5. SIGNAL CABLE SHALL BE A 10 & 20 CONDUCTOR #14 AWG CABLE, I.M.S.A. SPEC 20-1.
6. LOOP CABLE SHALL BE ONE TWISTED PAIR OF #12 AWG CABLE, I.M.S.A. SPEC 19-2.
7. ALL SIGNAL LENSES SHALL BE 12 INCH.
8. CONTROLLER SHALL BE HOUSED IN A TYPE "R" CABINET WITH EXHAUST FAN AND THERMOSTAT CONTROL.
9. CABINET SHALL BE PAINTED WHITE INSIDE AND OUT.
10. EACH LOOP DETECTOR LEAD-IN REPRESENTS A SEPARATE AMPLIFIER UNIT REQUIRED.
11. ALL NECESSARY AMPLIFIER UNITS, MODULES, LIGHT CONTROL UNITS, SWITCHES, OPTICOM, AREA-WIDE COMPUTER CONTROL, ETC. SHALL BE WIRED IN CABINET TO ACTIVATE THE FIVE PHASE OPERATION AS SHOWN IN DIAGRAM. ALL WIRING FOR FUTURE PHASING SHALL BE INCLUDED.
12. INSTALL THE OPTICOM SENSOR ON THE TRAFFIC SIGNAL HEAD AS SHOWN ON THIS DRAWING.
13. EACH INTERSECTION LUMINAIRE SHALL BE FUSED IN CABINET USING IN-LINE FUSE HOLDERS.
14. ALL PEDESTRIAN PUSH BUTTON SIGNS SHALL BE 9" X 12" WITH FULL MOUNTING BRACKET.
15. ALL CABLE & WIRING SHALL BE INSTALLED TERMINAL TO TERMINAL, NO SPLICES ALLOWED.
16. POLES "A" & "C" SHALL HAVE INTERNALLY ILLUMINATED STREET NAME SIGNS INSTALLED. SIGNS SHALL BE WIRED TO THE LUMINAIRE PHOTOCELL FOR CONTROL.
17. STREET NAME SIGNS ON POLES "A" & "C" SHALL READ "DECATUR BLVD".
18. ALL SIGNAL POLES SHALL CONFORM TO C.L.V. STANDARD SPEC. 404.402 & 404.406 SHEETS 1 & 2.
19. LOOP DETECTORS TO BE LOCATED IN THE FIELD BY C.L.V.
20. INTERSECTION LIGHTING LUMINAIRES SHALL BE 400 W HPS WITH MC111 DISTRIBUTION, INDIVIDUAL PHOTOCELL CONTROL AND BUILT IN BALLAST (120 VAC), G.E. M400A2 CUTOFF TYPE.
21. INSTALL A NEW NO. 7 INTERCEPT PULLBOX NEAR THE NEW CONTROLLER AND INSTALL A 2-INCH CONDUIT BETWEEN THESE. WITHDRAW THE EXISTING 25 PAIR INTERCONNECT CABLE FROM THE SIGNAL CONTROLLER AT DECATUR BLVD. AND CHARLESTON BLVD. BACK TO THE FIRST PULLBOX SOUTH OF THE NEW CONTROLLER. INTERCEPT THE EXISTING 2-INCH CONDUIT AND ROUTE THEM INTO THE NEW NO. 7 PULLBOX. REINSTALL THE EXISTING 25 PAIR CABLE INTO THE NEW CONTROLLER. FURNISH NEW 25 PAIR CABLE FROM THE NEW CONTROLLER TO THE EXISTING CONTROLLER AT CHARLESTON BLVD. AND DECATUR BLVD.
22. REMOVE POLE, LUMINAIRE AND ARM, CUT CONCRETE BASE TO NINE (9) INCHES BELOW SIDEWALK BASE, BURN OFF ANCHOR BOLTS, SET NO. 3-1/2 PULLBOX AND SPLICE EXISTING CONDUCTORS FOR CIRCUIT CONTINUITY.
23. REMOVE EXISTING POLE, LUMINAIRE AND FOUNDATION AND OVERHEAD WIRING. BREAK DOWN FOUNDATION TO SIX (6) INCHES BELOW SUBGRADE AND BURN OFF ANCHOR BOLTS.
24. REMOVE EXISTING POLE, ARM, LUMINAIRE AND OVERHEAD WIRING. CHIP DOWN EXISTING CONCRETE BASE TO RECEIVE UNDERGROUND CONDUIT AS PER "UNIFORM STANDARD DRAWING" NO. 623 L.0013. INSTALL NEW 7 GA POLE PER "UNIFORM STANDARD DRAWING" NO. 623 L.0030. REINSTALL EXISTING LUMINAIRE, ARM AND POLE TOP INSULATOR. RECONNECT EXISTING OVERHEAD WIRING TO NEW UNDERGROUND WIRING FOR CIRCUIT CONTINUITY. INSTALL A 2-POLE FUSE HOLDER AT HANDHOLE IN LUMINAIRE FEED.
25. REMOVE EXISTING POLE, LUMINAIRE AND OVERHEAD WIRING. CHIP DOWN EXISTING CONCRETE BASE, BURN OFF ANCHOR BOLTS AND INSTALL A NO. 3-1/2 PULLBOX.
26. ALL WORK SHALL BE DONE IN CONFORMANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENTS", THE "TRAFFIC SIGNAL STANDARD DRAWINGS" AND "THE UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION".
27. ALL REMOVED STREET LIGHTING MATERIAL SHALL BE RETURNED TO THE ELECTRICAL SHOP, CITY YARDS, 3100 EAST BONANZA ROAD.



ALL RED WHEN FLASHING
PHASE DIAGRAM



QUADRANT LOCATOR
NOT TO SCALE

**POLE SCHEDULE**

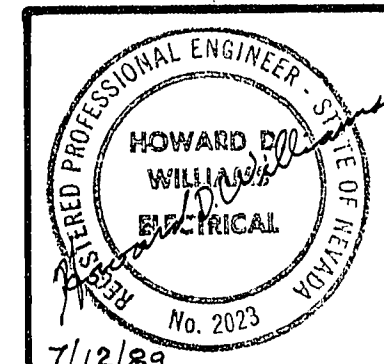
POLE							SIGNALS VEHICLE		SIGNALS PEDESTRIAN		PED PUSH BUTTON		REMARKS
POLE	LOCATION STATION	TYPE	SIG QUAD	ARM LNG	LUM QUAD	ARM LNG	TYPE	QUAD	TYPE	QUAD	QUAD	SIGN ARROW	
A		X X	2	30'	2	15'	(2) M-2 B-IT	MA 4	W-OT	4	3	LT	01 ALL ARROWS
B		X X	1	50'	1	15'	M-3 (2) M-2 B-IT	MA MA 3	W-OT	3	1	RT	R10-12 on MAST ARM
C		X X	4	40'	4	15'	(2) M-2 B-IT	MA 2	W-OT	2	1	LT	05 ALL ARROWS
D		X X	3	50'	3	15'	M-3 (3) M-2 B-IT	MA MA 1	W-OT	1	3	RT	R10-12 on MAST ARM

CONDUIT & WIRE SCHEDULE

WIRE & CABLE	FROM	TO	VIA CONDUIT																								
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
2# 6, 2# 10 1# 4 GRD THWN	METER PEDESTAL	CONTROLLER	X																								
10 COND	CONTROLLER	POLE A				X	X																				
25 COND	"	POLE B							X	X																	
10 COND	"	POLE C											X	X	X		X										
25 COND	"	POLE D															X	X									
2# 10 THWN	"	LUM POLE A				X	X																				
2# 10 THWN	"	LUM POLE B							X	X																	
2# 10 THWN	"	LUM POLE C											X	X	X												
2# 10 THWN	"	LUM POLE D															X	X									
4 EACH LOOP CABLES	"	DET 5, 2A, 2B & 2C						X																			
3 EACH LOOP CABLES	"	DET 20, 2E, & 2F					X																				
2 EACH LOOP CABLES	"	DET 4C & 4D							X	X																	
4 EACH LOOP CABLES	"	DET 1, 6A, 6B & 6C															X	X									
3 EACH LOOP CABLES	"	DET 6D, 6E & 6F										X	X	X					X								
2 EACH LOOP CABLES	"	DET 4A & 4B				X	X																				
OPTICOM CABLE	"	POLE D																X	X								
* ONE 25 PR CABLE	EXISTING INTERCONNECT																			X							
* TWO 25 PR CABLE	INTERCONNECT																				X						
CONDUIT SIZE			1/2"	2"	1/2"	2"	2"	1/2"	1/2"	3"	2"	1/2"	1/2"	2"	3"	3"	2"	3"	2"	2"							

INCLUDE IN EACH CONDUIT A NO. 8 GREEN GROUNDING CONDUCTOR
* SHALL BE R.E.A. SPEC. 39.

Kennedy/Jenks/Chilton
Consulting Engineers
3223 West Charleston Boulevard, Suite 110
Las Vegas, NV 89102-7402



TRAFFIC SIGNAL PLAN
KAGALUE, TOWN OF FAIRFAX WITH RAILROAD AT W.D.B. & M.
CITY OF LAS VEGAS
WESTLAND FAIR PHASE I

C112
SHEET
PROJ. NO.

DES BECK Assoc.

DATE: JAN. 15, 1992
DESIGN: HDW
DRAWN: DEF
CHECK: AS SHOWN
BAUGHMAN & TURNER
CIVIL ENGINEERS
MINING ENGINEERS
LAND SURVEYORS
2322 WEST CHARLESTON BOULEVARD
LAS VEGAS, NEVADA 89102
702-870-8711