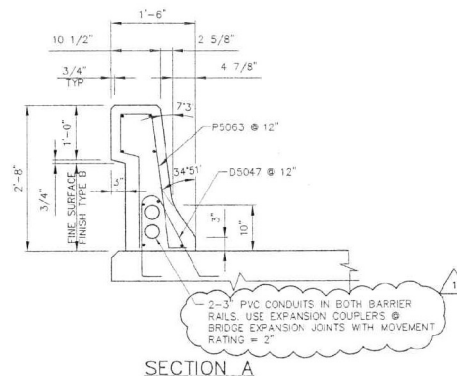
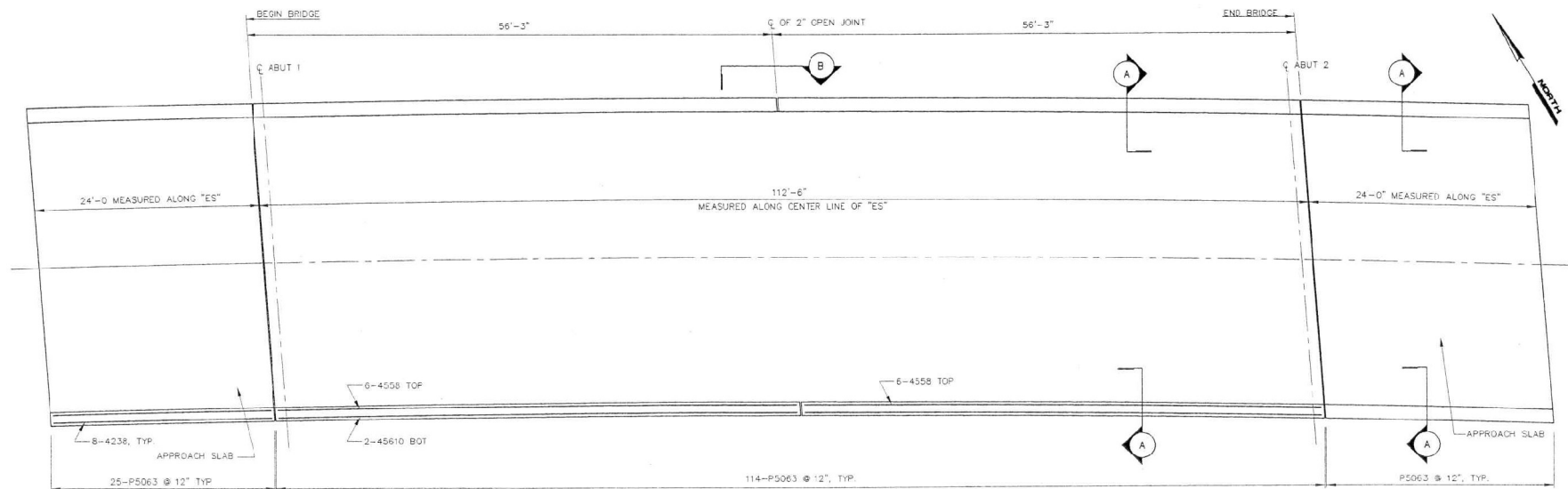
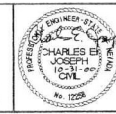


PROJECT: Aug 12 15:40 9:42:31 am EST

| REV. NO. | DATE     | DESCRIPTION    |
|----------|----------|----------------|
| 1        | 10/31/00 | ADDENDUM NO. 2 |
| 2        |          |                |
| 3        |          |                |
| 4        |          |                |
| 5        |          |                |
| 6        |          |                |
| 7        |          |                |
| 8        |          |                |
| 9        |          |                |
| 10       |          |                |



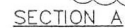
**WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES RAMP "ES" OVER RAMP "R2" & "R3" BARRIER RAIL DETAILS**  
 CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS



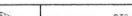
PROJECT NO: PTO 647558 DRAWN BY: ADI  
 DESIGNED BY: CEJ CHECKED BY: EM  
 APPROVED BY: CEJ

**PARSONS TRANSPORTATION GROUP**  
 841 ORION DRIVE, SUITE 340  
 LAS VEGAS, NEVADA 89119  
 PHONE (702) 430-2116  
 FAX (702) 430-2116

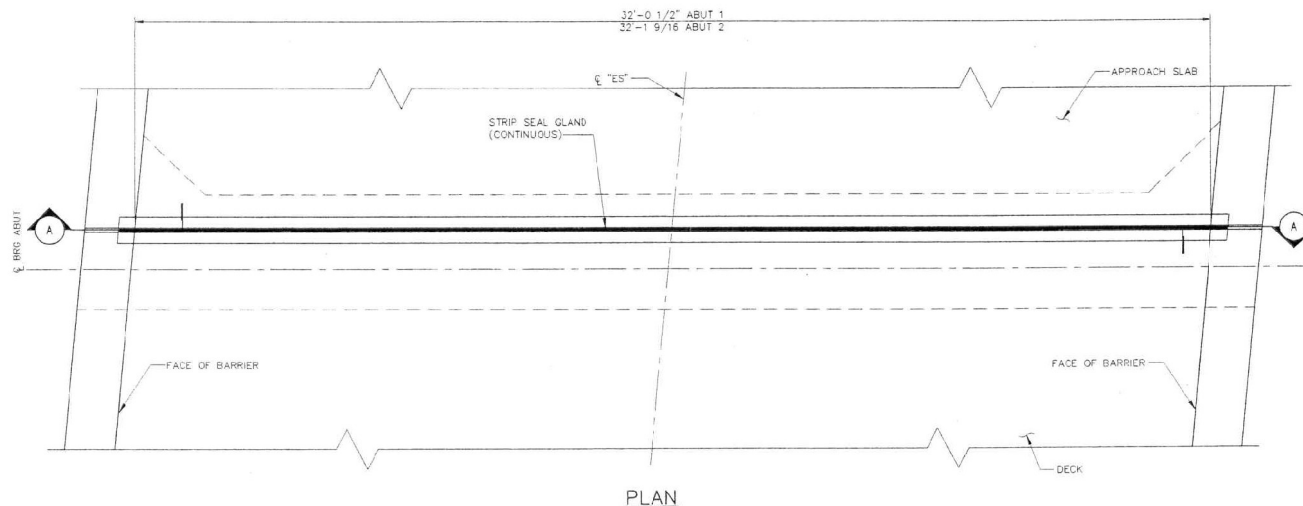
|                        |             |            |            |
|------------------------|-------------|------------|------------|
| SCALE                  | HORIZ: NONE | VERT: NONE | FIELD BOOK |
| ISSUE FOR CONSTRUCTION | H-2338      | L-1631     | B-317      |
| SHT. OF                |             |            |            |



ISSUE FOR CONSTRUCTION H-2338

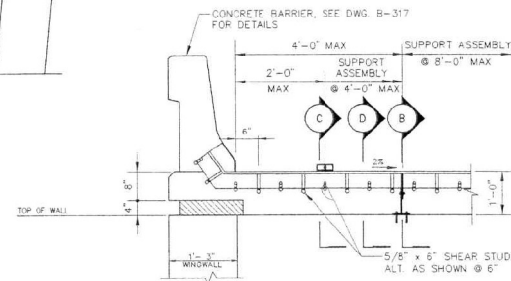
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|----------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|
|                                                                                              |                       |  | <b>WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES<br/>RAMP "ES" OVER RAMPS "R2" &amp; "R3"<br/>BARRIER RAIL DETAILS<br/>CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS</b> |  | PROJECT NO: <u>PTC 643558</u> DRAWN BY: <u>ADL</u>                                                                                                                                                                               | SCALE: _____      | L-1631              |
| DESIGNED BY: <u>CEJ</u>                                                                      | CHECKED BY: <u>RM</u> |                                                                                     |                                                                                                                                                                                   |                                                                                       | HORIZ: NONE                                                                                                                                                                                                                      |                   |                     |
| APPROVED BY: <u>CEJ</u>                                                                      |                       |                                                                                     |                                                                                                                                                                                   |                                                                                       | VERT: NONE                                                                                                                                                                                                                       | DRAWING NO:       | B-317               |
|                                                                                              |                       |                                                                                     |                                                                                                                                                                                   |                                                                                       |  <b>PARSONS TRANSPORTATION GROUP</b><br>840 ORION DRIVE, SUITE 340<br>LAS VEGAS, NEVADA 89119<br>PHONE (702) 435-2116<br>FAX (702) 435-8411 | FIELD BOOK: _____ | SHT. _____ OF _____ |
|  10/31/00 | ADDENDUM NO. 2        | CEJ                                                                                 |                                                                                                                                                                                   |                                                                                       |                                                                                                                                                                                                                                  |                   |                     |



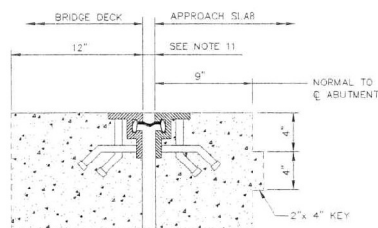


# NOTES:

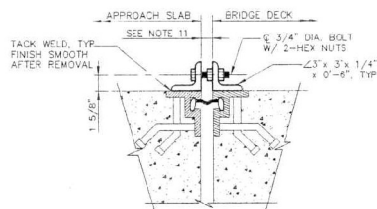
1. THE EXPANSION JOINT MOVEMENT RATING SHALL BE  $\pm 3"$
2. ALL STRUCTURAL STEEL TO BE M270 GR. 36 (GALVANIZED) OR ASTM A588.
3. ALL BOLTS TO BE ASTM307
4. INSTALL THE STRIP SEAL ASSEMBLY AFTER THE DECK SLAB & APPROACH SLAB HAVE BEEN POURED AND PROFILE GRINDING HAS BEEN COMPLETED. TIE STUDS TO AVAILABLE REINFORCING IN THE RECESS AREA TO ENSURE PROPER JOINT PLACEMENT. MAKE FINAL ADJUSTMENTS OF THE JOINT, WIDTH AND ELEVATION BEFORE THE RECESSED PORTION OF THE DECK SLAB AND APPROACH SLAB ARE POURED.
5. AFTER THE CONCRETE HAS HARDENED SUFFICIENTLY, THE TEMPORARY CLAMPS CAN BE REMOVED AND SURFACE FINISHED SMOOTH.
6. THE STRIP SEAL MANUFACTURER'S INSTRUCTIONS MUST BE FOLLOWED.
7. FULL PENETRATION BUTT WELD ON ALL STUDS.
8. THE JOINT ASSEMBLY MAY BE MANUFACTURED IN 20 FOOT MINIMUM LENGTHS AND FIELD WELDED UTILIZING FULL PENETRATION BUTT WELDS.
9. STRIP SEAL EXTRUSIONS SHALL BE AASHTO M270 GR. 36 OR ASTM A588 EXTRUSIONS W/ STUDS AND ALL OTHER HARDWARE TO REMAIN SHALL BE GALVANIZED AFTER FABRICATION. ANY GALVANIZING DAMAGE DURING INSTALLATION SHALL BE METALIZED IN ACCORDANCE WITH SECTION 715 OF THE STANDARD SPECIFICATIONS.
10. THE STRIP SEAL GLAND SHALL BE INSTALLED AS A SINGLE, CONTINUOUS UNIT. NO FIELD SPlicing SHALL BE PERMITTED.
11.  $1-1/2" \pm 70' F$  MODIFY JOINT OPENING WIDTH  $+1/16"$  FOR EACH  $-10' F$  AND  $-1/16"$  FOR EACH  $+10' F$ .



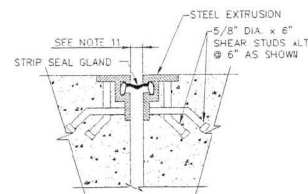
## SECTION A



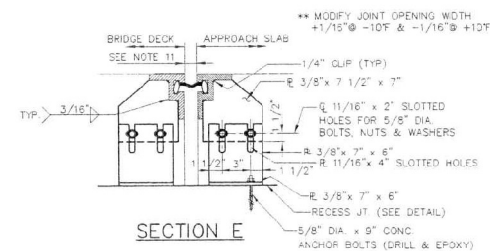
## RECESS DETAIL



## SECTION C



## SECTION D



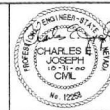
## SECTION E

ISSUE FOR CONSTRUCTION H-2338

| REV. NO. | DATE     | DESCRIPTION    | APPROVED |
|----------|----------|----------------|----------|
| 1        | 10/31/00 | ADDENDUM NO. 2 | CEJ      |

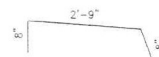
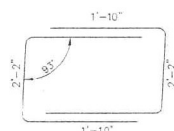
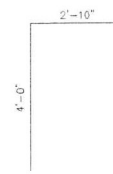
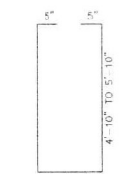
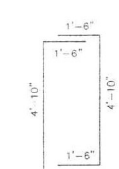
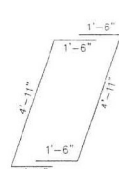
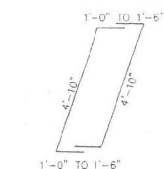
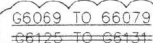
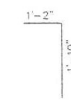
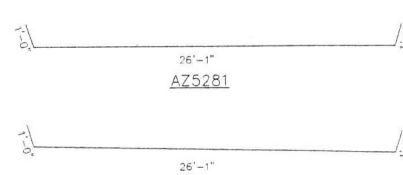
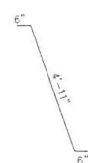
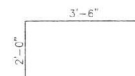
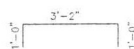
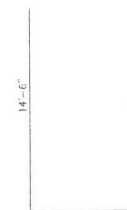
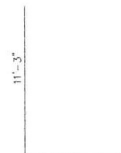
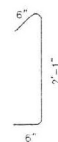
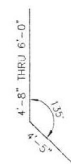
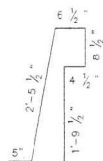
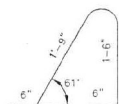


WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES  
RAMP "ES" OVER RAMPS "R2" & "R3"  
STRIP SEAL EXPANSION JOINT DETAILS  
CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS



|                             |                                                                                                    |             |     |
|-----------------------------|----------------------------------------------------------------------------------------------------|-------------|-----|
| PROJECT NO.                 | PTD 643355                                                                                         | DRAWN BY:   | ADL |
| DESIGNED BY:                | CEJ                                                                                                | CHECKED BY: | RM  |
| APPROVED BY:                | CEJ                                                                                                |             |     |
| PARRIS TRANSPORTATION GROUP | 840 GREY DRIVE, SUITE 340<br>LAS VEGAS, NEVADA 89115<br>PHONE (702) 455-0716<br>FAX (702) 455-8411 |             |     |

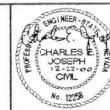
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| SCALE       | HORIZ. NONE | VERT. NONE | FIELD BOOK |
| L-1631      |             |            |            |
| DRAWING NO. | B-318       |            |            |
| SHT.        | OF          |            |            |



|          |                         |          |
|----------|-------------------------|----------|
| 12/22/00 | ISSUED FOR CONSTRUCTION | 054      |
| NO. 100  | DESCRIPTION             | APPROVED |



WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES  
RAMP "ES" OVER RAMPS "R2" & "R3"  
BAR BENDING DETAILS  
CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS



PROJECT No: PTG 643558 DRAWN BY: ADL  
DESIGNED BY: CEJ C-CHECKED BY: PM  
APPROVED BY: CEJ

 **PARSONS  
TRANSPORTATION  
GROUP**  
LAS VEGAS, NEVADA

840 GRIER DRIVE, SUITE 340  
LAS VEGAS, NEVADA 89118  
PHONE (702) 435-2716  
FAX (702) 435-8412

ISSUE FOR CONSTRUCTION H-2338

|             |             |
|-------------|-------------|
| SCALE       | L-1631      |
| HORIZ: NONE | DRAWING NO. |
| VERT: NONE  | B-319       |
| FIELD BOOK  | SHT. OF     |

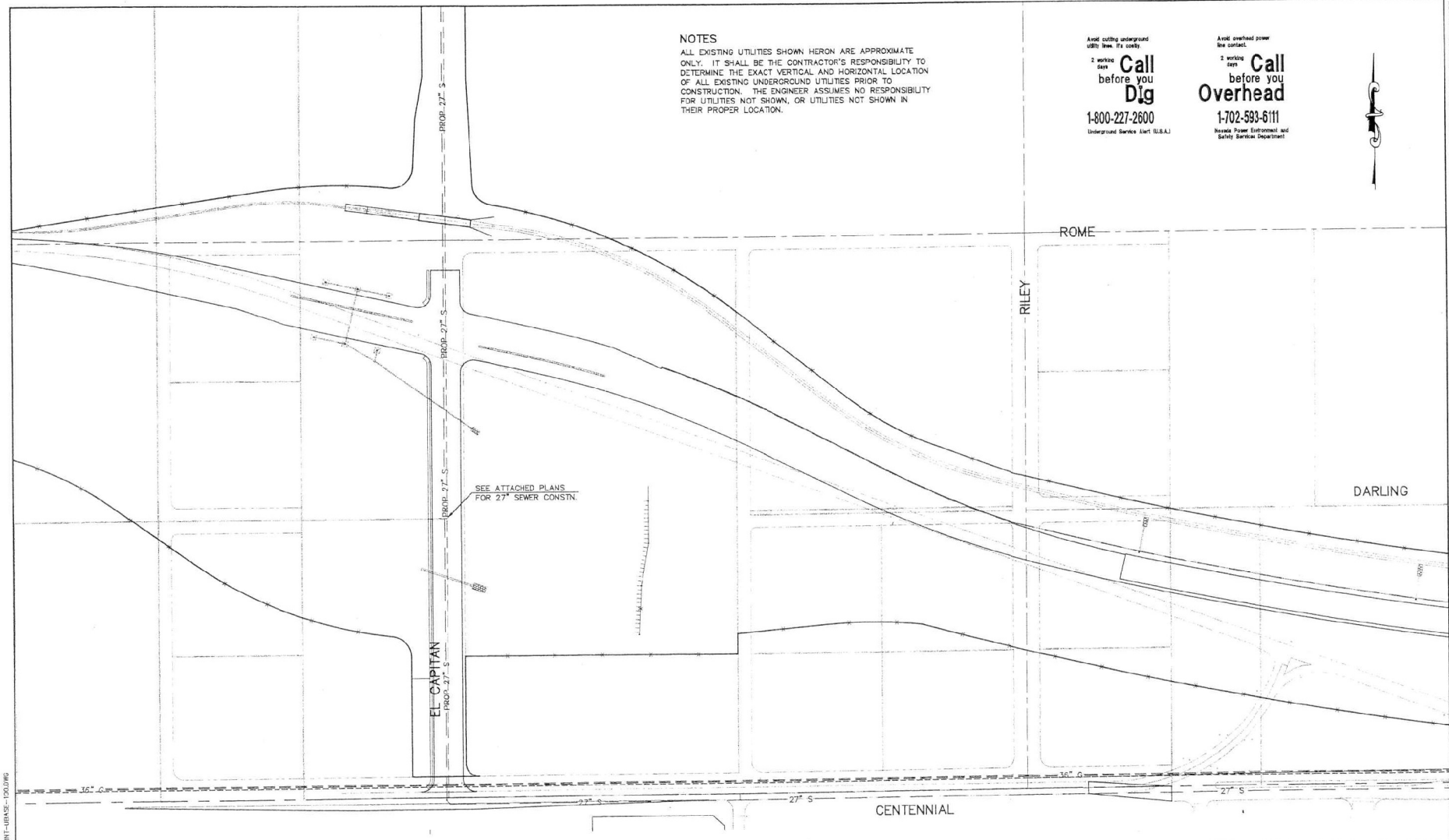


**NOTES**

ALL EXISTING UTILITIES SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN, OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

Avoid cutting underground utility lines. It's costly.  
2 working days  
**Call before you Dig**  
1-800-227-2600  
Underground Service Alert (U.S.A.)

Avoid overhead power line contact.  
2 working days  
**Call before you Overhead**  
1-702-593-6111  
Nevada Power Environment and Safety Service Department



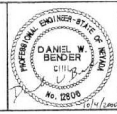
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I:\CAD\PIRBER\3665\3665-INT-UBAS-10.DWG Mod: 04/26/02 17:00:00 Printed by: S.K.P.

| REV. NO. | DATE | DESCRIPTION | APPROVED |
|----------|------|-------------|----------|
|          |      |             |          |
|          |      |             |          |
|          |      |             |          |
|          |      |             |          |



**WB/NB SEGMENT LAS VEGAS BELTWAY-EL CAPITAN TO JONES**  
**UTILITY PLAN**  
**"A" LINE STA. 950+00 TO STA. 980+00**  
**CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS**

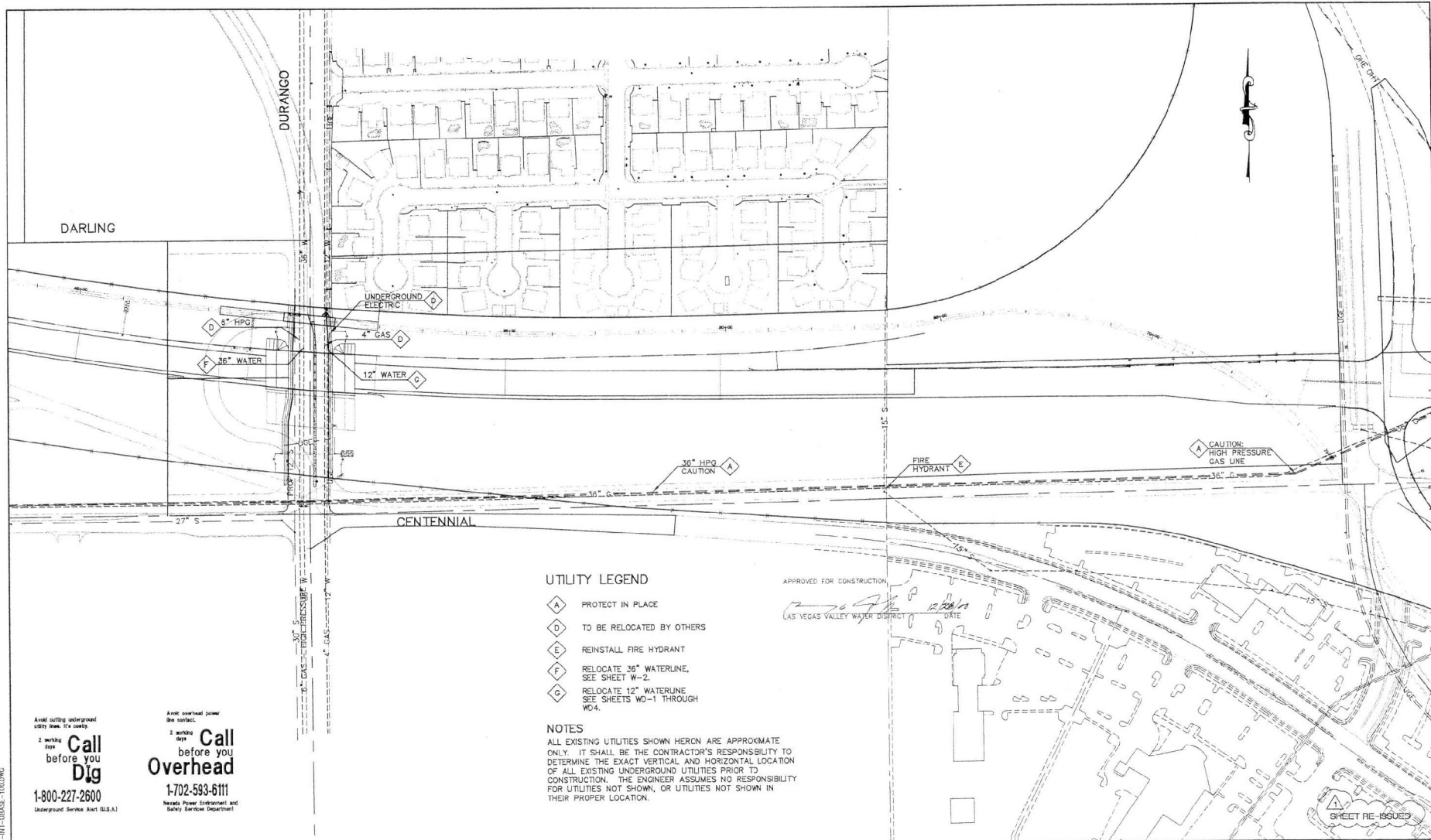


|                  |                   |
|------------------|-------------------|
| PROJECT NO: 5669 | DRAWN BY: WBM/BGP |
| DESIGNED BY: DWS | CHECKED BY:       |
| APPROVED BY: KDG |                   |
|                  |                   |
|                  |                   |

|                |        |
|----------------|--------|
| SCALE          | L-1631 |
| HORIZ: 1"=100' |        |
| VERT: NONE     |        |
| FIELD BOOK     |        |
| SHT. OF        |        |

WB/NB EL CAPITAN WAY TO JONES BOULEVARD

ISSUED FOR CONSTRUCTION



Avoid cutting underground utility when the contact.

2 working days  
**Call before you Dig**  
1-800-227-2600  
Underground Service Alert (U.S.A.)

Avoid overhead power line contact.

2 working days  
**Call before you Overhead**  
1-702-593-6111  
Nevada Power Corporation and  
Nevada Service Department

- UTILITY LEGEND**
- A PROTECT IN PLACE
  - D TO BE RELOCATED BY OTHERS
  - E REINSTALL FIRE HYDRANT
  - F RELOCATE 36" WATERLINE, SEE SHEET W-2
  - G RELOCATE 12" WATERLINE, SEE SHEETS WD-1 THROUGH WD-4
- NOTES**
- ALL EXISTING UTILITIES SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN, OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

|                                                                                                                                                                                                                                                                                      |  |                                                                                                                                         |  |                                                                                                                 |  |                                                                  |  |                                                       |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------|--|-------------------------------------------------------|--|
| <div style="display: flex; align-items: center;"> <div> <p><b>WB/NB SEGMENT LAS VEGAS BELTWAY-EL CAPITAN TO JONES</b></p> <p><b>UTILITY PLAN</b></p> <p><b>"A" LINE STA. 980+00 TO STA. 1010+00</b></p> <p><b>CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS</b></p> </div> </div> |  | <div style="display: flex; align-items: center;"> <div> <p>PROJECT No: 5659<br/>DESIGNED BY: DWS<br/>APPROVED BY: KDS</p> </div> </div> |  | <p>PROJECT No: 5659<br/>DRAWN BY: WBM/BKP<br/>DESIGNED BY: DWS<br/>CHECKED BY: [blank]<br/>APPROVED BY: KDS</p> |  | <p>SCALE<br/>HORIZ: 1"=100'<br/>VERT: NONE</p>                   |  | <p>L-1631<br/>DRAWING NO.<br/>U-2<br/>SHT: 1 of 1</p> |  |
|                                                                                                                                                                                                                                                                                      |  |                                                                                                                                         |  | <p><b>vtm nevada</b></p>                                                                                        |  | <p><b>PARSONS TRANSPORTATION GROUP</b><br/>LAS VEGAS, NEVADA</p> |  | <p>FIELD BOOK</p>                                     |  |

I:\CADD\1\WB\WB\5659-INT-UBASE-100.DWG 10/31/00 11:15:38 2000 PLOTTED BY B.K.P.

Avoid cutting underground  
utility lines. It's costly.  
1 working  
day  
Call  
before you  
Dig  
1-800-227-2600  
Underground Service Alert (U.S.A.)

Avoid overhead power  
line contact.  
2 working  
days  
Call  
before you  
Overhead  
1-702-593-6111  
Nevada Power Environment and  
Safety Services Department

**Updated  
Signature**

CAUTION!  
UG FIBER OPTIC  
2-4" PVC FOR BRIDGE  
CONSTRUCTION

OVERHEAD  
ELEC / TEL

#### UTILITY LEGEND

-  PROTECT IN PLACE
-  RELOCATE BEHIND BARRIER RAIL
-  CURRENTLY BEING RELOCATED

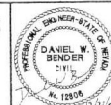
#### NOTES

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 BUFFALO  
SHEET RE-ISSUED



**WB/NB SEGMENT LAS VEGAS BELTWAY-EL CAPITAN TO JONES  
UTILITY PLAN**  
"A" LINE STA. 1010+00 TO STA. 1040+00  
CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS



PROJECT No: 5689 DRAWN BY: WSM/BSP  
DESIGNED BY: DWR CHECKED BY:  
APPROVED BY: KDG  
DATE: 10/31/00  
ADDENDUM NO. 2  
REV. NO. DATE DESCRIPTION APPROVED

SCALE  
HORIZ: 1"=100'  
VERT: NONE  
FIELD BOOK  
SHEET 16 OF 16  
DRAWING NO. U-3

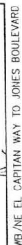
Avoid overhead power  
line contact.

2 working  
days

**Call**  
before you  
**Overhead**

**1-702-593-6111**

Nevada Power Environment and



1. *Chrysomelidae* (Coleoptera) (1890-1900) (1901-1910) (1911-1920) (1921-1930) (1931-1940) (1941-1950) (1951-1960) (1961-1970) (1971-1980) (1981-1990) (1991-2000) (2001-2010) (2011-2020) (2021-2030) (2031-2040) (2041-2050) (2051-2060) (2061-2070) (2071-2080) (2081-2090) (2091-2100) (2101-2110) (2111-2120) (2121-2130) (2131-2140) (2141-2150) (2151-2160) (2161-2170) (2171-2180) (2181-2190) (2191-2200) (2201-2210) (2211-2220) (2221-2230) (2231-2240) (2241-2250) (2251-2260) (2261-2270) (2271-2280) (2281-2290) (2291-2300) (2301-2310) (2311-2320) (2321-2330) (2331-2340) (2341-2350) (2351-2360) (2361-2370) (2371-2380) (2381-2390) (2391-2400) (2401-2410) (2411-2420) (2421-2430) (2431-2440) (2441-2450) (2451-2460) (2461-2470) (2471-2480) (2481-2490) (2491-2500) (2501-2510) (2511-2520) (2521-2530) (2531-2540) (2541-2550) (2551-2560) (2561-2570) (2571-2580) (2581-2590) (2591-2600) (2601-2610) (2611-2620) (2621-2630) (2631-2640) (2641-2650) (2651-2660) (2661-2670) (2671-2680) (2681-2690) (2691-2700) (2701-2710) (2711-2720) (2721-2730) (2731-2740) (2741-2750) (2751-2760) (2761-2770) (2771-2780) (2781-2790) (2791-2800) (2801-2810) (2811-2820) (2821-2830) (2831-2840) (2841-2850) (2851-2860) (2861-2870) (2871-2880) (2881-2890) (2891-2900) (2901-2910) (2911-2920) (2921-2930) (2931-2940) (2941-2950) (2951-2960) (2961-2970) (2971-2980) (2981-2990) (2991-3000) (3001-3010) (3011-3020) (3021-3030) (3031-3040) (3041-3050) (3051-3060) (3061-3070) (3071-3080) (3081-3090) (3091-3100) (3101-3110) (3111-3120) (3121-3130) (3131-3140) (3141-3150) (3151-3160) (3161-3170) (3171-3180) (3181-3190) (3191-3200) (3201-3210) (3211-3220) (3221-3230) (3231-3240) (3241-3250) (3251-3260) (3261-3270) (3271-3280) (3281-3290) (3291-3300) (3301-3310) (3311-3320) (3321-3330) (3331-3340) (3341-3350) (3351-3360) (3361-3370) (3371-3380) (3381-3390) (3391-3400) (3401-3410) (3411-3420) (3421-3430) (3431-3440) (3441-3450) (3451-3460) (3461-3470) (3471-3480) (3481-3490) (3491-3500) (3501-3510) (3511-3520) (3521-3530) (3531-3540) (3541-3550) (3551-3560) (3561-3570) (3571-3580) (3581-3590) (3591-3600) (3601-3610) (3611-3620) (3621-3630) (3631-3640) (3641-3650) (3651-3660) (3661-3670) (3671-3680) (3681-3690) (3691-3700) (3701-3710) (3711-3720) (3721-3730) (3731-3740) (3741-3750) (3751-3760) (3761-3770) (3771-3780) (3781-3790) (3791-3800) (3801-3810) (3811-3820) (3821-3830) (3831-3840) (3841-3850) (3851-3860) (3861-3870) (3871-3880) (3881-3890) (3891-3900) (3901-3910) (3911-3920) (3921-3930) (3931-3940) (3941-3950) (3951-3960) (3961-3970) (3971-3980) (3981-3990) (3991-4000) (4001-4010) (4011-4020) (4021-4030) (4031-4040) (4041-4050) (4051-4060) (4061-4070) (4071-4080) (4081-4090) (4091-4100) (4101-4110) (4111-4120) (4121-4130) (4131-4140) (4141-4150) (4151-4160) (4161-4170) (4171-4180) (4181-4190) (4191-4200) (4201-4210) (4211-4220) (4221-4230) (4231-4240) (4241-4250) (4251-4260) (4261-4270) (4271-4280) (4281-4290) (4291-4300) (4301-4310) (4311-4320) (4321-4330) (4331-4340) (4341-4350) (4351-4360) (4361-4370) (4371-4380) (4381-4390) (4391-4400) (4401-4410) (4411-4420) (4421-4430) (4431-4440) (4441-4450) (4451-4460) (4461-4470) (4471-4480) (4481-4490) (4491-4500) (4501-4510) (4511-4520) (4521-4530) (4531-4540) (4541-4550) (4551-4560) (4561-4570) (4571-4580) (4581-4590) (4591-4600) (4601-4610) (4611-4620) (4621-4630) (4631-4640) (4641-4650) (4651-4660) (4661-4670) (4671-4680) (4681-4690) (4691-4700) (4701-4710) (4711-4720) (4721-4730) (4731-4740) (4741-4750) (4751-4760) (4761-4770) (4771-4780) (4781-4790) (4791-4800) (4801-4810) (4811-4820) (4821-4830) (4831-4840) (4841-4850) (4851-4860) (4861-4870) (4871-4880) (4881-4890) (4891-4900) (4901-4910) (4911-4920) (4921-4930) (4931-4940) (4941-4950) (4951-4960) (4961-4970) (4971-4980) (4981-4990) (4991-5000) (5001-5010) (5011-5020) (5021-5030) (5031-5040) (5041-5050) (5051-5060) (5061-5070) (5071-5080) (5081-5090) (5091-5100) (5101-5110) (5111-5120) (5121-5130) (5131-5140) (5141-5150) (5151-5160) (5161-5170) (5171-5180) (5181-5190) (5191-5200) (5201-5210) (5211-5220) (5221-5230) (5231-5240) (5241-5250) (5251-5260) (5261-5270) (5271-5280) (5281-5290) (5291-5300) (5301-5310) (5311-5320) (5321-5330) (5331-5340) (5341-5350) (5351-5360) (5361-5370) (5371-5380) (5381-5390) (5391-5400) (5401-5410) (5411-5420) (5421-5430) (5431-5440) (5441-5450) (5451-5460) (5461-5470) (5471-5480) (5481-5490) (5491-5500) (5501-5510) (5511-5520) (5521-5530) (5531-5540) (5541-5550) (5551-5560) (5561-5570) (5571-5580) (5581-5590) (5591-

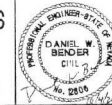
CONTRACTOR WILL APPROPRIATELY ADJUST ALL SNWA ABOVE GROUND STRUCTURES AND AT GRADE STRUCTURES TO NEW GRADE AT CONTRACTORS EXPENSE. CONTRACTOR TO NOTIFY DON JACOBSON AT (702) 862-3444 AT LEAST 48-HOURS PRIOR TO CONSTRUCTION ACTIVITY WITHIN LIMITS OF SNWA/SNWS FACILITIES.

TO BE RELOCATED BY OTHERS

TO BE ABANDONED

ALL EXISTING UTILITIES SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN, OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

Loane M. 10/12/01  
SOUTHERN NEVADA WATER AUTHORITY DATE



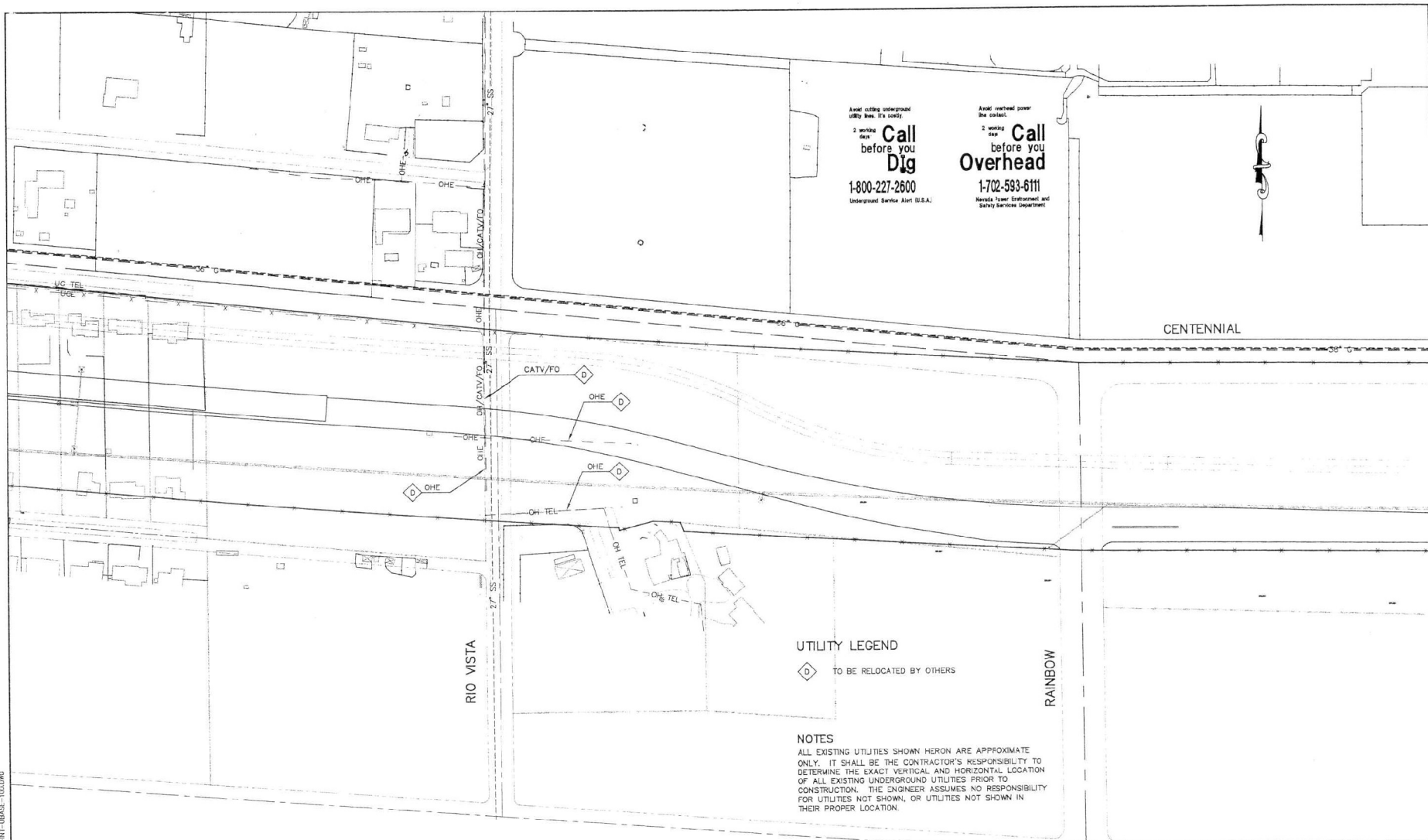
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|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| PROJECT No: <u>5669</u>                                                                                                                            | DRAWN BY: <u>BKP</u>                                                                                                                          |
| DESIGNED BY: <u>DWB</u>                                                                                                                            | CHECKED BY: _____                                                                                                                             |
| APPROVED BY: <u>KDG</u>                                                                                                                            |                                                                                                                                               |
|  CONSULTING ENGINEERS<br>PLANNERS<br>LAND SURVEYORS<br>NEVADA |  PARSONS<br>TRANSPORTATION<br>GROUP<br>LAS VEGAS, NEVADA |

|                |  |             |
|----------------|--|-------------|
| SCALE          |  | L-1631      |
| HORIZ: 1"=100' |  |             |
| VERT: NONE     |  | DRAWING NO. |
| FIELD BOOK     |  | U-4         |
|                |  |             |
|                |  | SHT. OF     |

|          |          |                |          |
|----------|----------|----------------|----------|
| REV. NO. | DATE     | DESCRIPTION    | APPROVED |
|          | 10/31/00 | ADDENDUM NO. 2 |          |

I:\CAD\PLANS\6689\6689-INT-UBASE-10.DWG Plot Date: 04/15/2005 Plot Time: 10:05:00

I:\CAD\PLANS\6689\6689-INT-UBASE-10.DWG



Avoid cutting underground utility lines. It's costly.  
2 weeks delay  
**Call before you Dig**  
1-800-227-2600  
Underground Service Alert (U.S.A.)

Avoid overhead power line contact.  
2 weeks delay  
**Call before you Overhead**  
1-702-593-6111  
Nevada Power Corporation and Safety Services Department

**UTILITY LEGEND**  
◇ TO BE RELOCATED BY OTHERS

**NOTES**  
ALL EXISTING UTILITIES SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN, OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

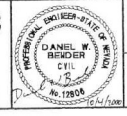
WB/NB EL CAPITAN WAY TO JONES BOULEVARD

ISSUED FOR CONSTRUCTION

| REV | NO. | DATE | DESCRIPTION | APPROVED |
|-----|-----|------|-------------|----------|
|     |     |      |             |          |
|     |     |      |             |          |
|     |     |      |             |          |
|     |     |      |             |          |



**WB/NB SEGMENT LAS VEGAS BELTWAY-EL CAPITAN TO JONES**  
**UTILITY PLAN**  
"A" LINE STA. 1070+00 TO STA. 1100+00  
CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS



PROJECT NO: 5889  
DESIGNED BY: DWB  
APPROVED BY: KDC

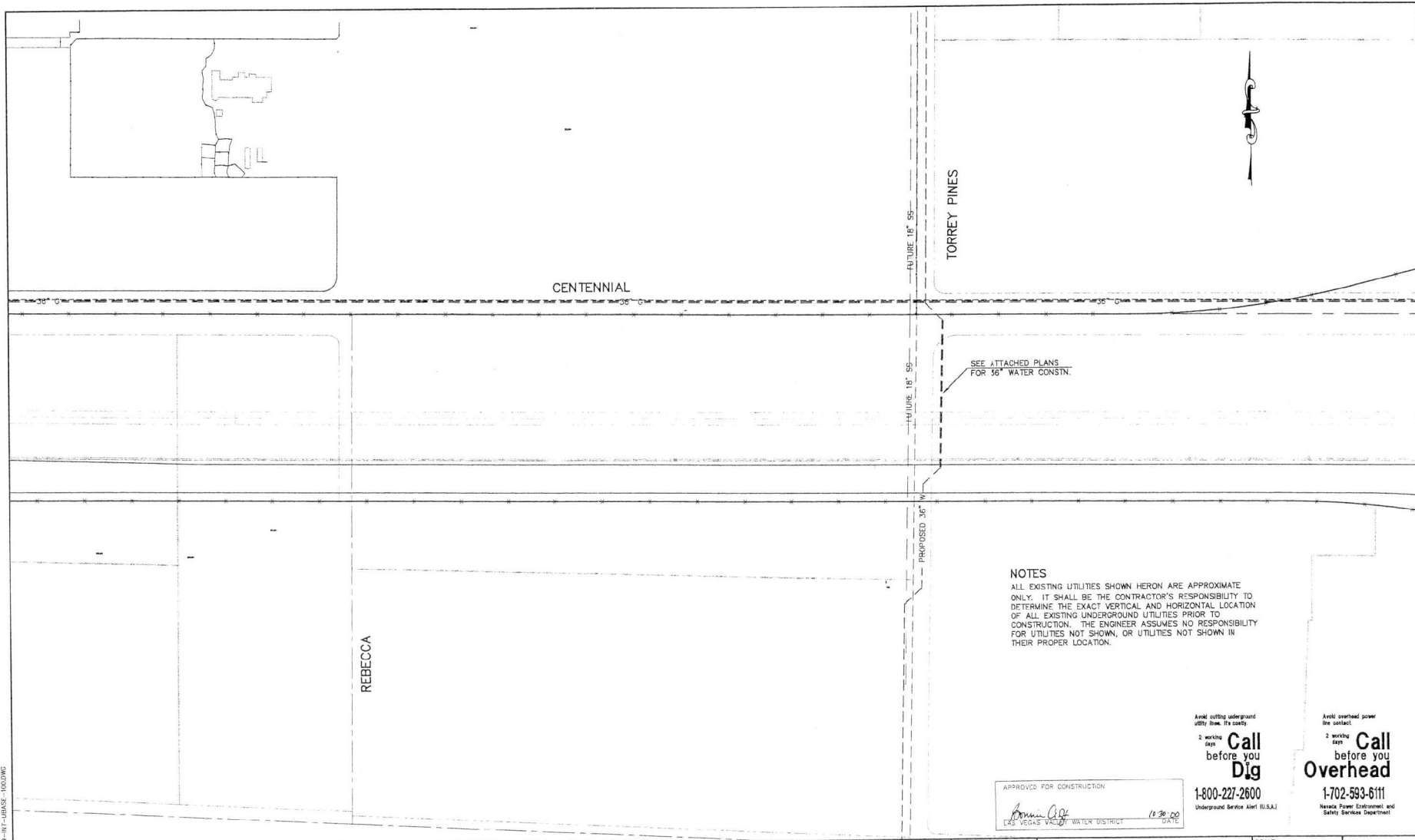
DRAWN BY: BKP  
CHECKED BY:   
DATE: 4/15/05

SCALE  
HORIZ: 1"=100'  
VERT: NONE  
FIELD BOOK

L-1631  
DRAWING NO. U-5  
SHT. OF







|                                                                                                                                                                                                                                                                                            |  |             |             |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------|-------------|----------|
| REV NO.                                                                                                                                                                                                                                                                                    |  | DATE        | DESCRIPTION | APPROVED |
| <div><div><b>WB/NB SEGMENT LAS VEGAS BELTWAY-EL CAPITAN TO JONES</b><br/><b>UTILITY PLAN</b><br/>"A" LINE STA. 1100+00 TO STA. 1130+00<br/>CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS</div></div> |  |             |             |          |
| PROJECT NO.                                                                                                                                                                                                                                                                                |  | 5665        | DRAWN BY:   | BKP      |
| DESIGNED BY:                                                                                                                                                                                                                                                                               |  | DWB         | CHECKED BY: |          |
| APPROVED BY:                                                                                                                                                                                                                                                                               |  | KDG         |             |          |
|                                                                                                                                                                                                       |  |             |             |          |
|                                                                                                                                                                                                       |  |             |             |          |
|                                                                                                                                                                                                       |  |             |             |          |
| SCALE                                                                                                                                                                                                                                                                                      |  | L-1631      |             |          |
| HORIZ: 1"=100'                                                                                                                                                                                                                                                                             |  | DRAWING NO. |             |          |
| VERT: NONE                                                                                                                                                                                                                                                                                 |  | U-6         |             |          |
| FIELD BOOK                                                                                                                                                                                                                                                                                 |  | SHT. OF     |             |          |





WE/NE EL CAPITAN WAY TO JONES BOULEVARD

ISSUED FOR CONSTRUCTION



Avoid overhead power line contact.  
2 working days  
**Call before you Dig**  
1-702-593-6111  
Nevada Power Enforcement and Safety Services Department

**NOTES**  
ALL EXISTING UTILITIES SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN, OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

Avoid cutting underground utility lines. It's costly.  
2 working days  
**Call before you Dig**  
1-800-227-2600  
Underground Service Alert (USA)

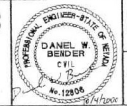
Avoid overhead power line contact.  
2 working days  
**Call before you Overhead**  
1-702-593-6111  
Nevada Power Enforcement and Safety Services Department

1. VADU\JUN06\5568\5568-INT-URBAN-100.DWG

1. VADU\JUN06\5568\5568-INT-URBAN-100.DWG  
Mod. 04.09.05 to 2006. Printed by S.A.P.



**WB/NB SEGMENT LAS VEGAS BELTWAY-EL CAPITAN TO JONES  
UTILITY PLAN**  
"A" LINE STA. 1160+00 TO STA. 1190+00  
CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS



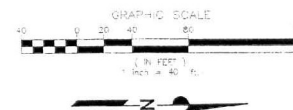
PROJECT No: 5669 DRAWN BY: BKP  
DESIGNED BY: DWS CHECKED BY:  
APPROVED BY: KDS  
**vtm nevada**  
REGISTERED ENGINEERS  
PLANNING  
AND SURVEYORS  
HARRISON TRANSPORTATION GROUP  
LAS VEGAS, NEVADA

|                |             |
|----------------|-------------|
| SCALE          | L-1631      |
| HORIZ: 1"=100' | DRAWING NO. |
| VERT: NONE     | U-8         |
| FIELD BOOK     | SHT. OF     |

| REV. NO. | DATE | DESCRIPTION | APPROVED |
|----------|------|-------------|----------|
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|          |      |             |          |
|          |      |             |          |
|          |      |             |          |





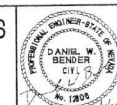


NOTES:

1. CONTRACTOR MUST VERIFY ALL HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING UTILITIES 48 HOURS PRIOR TO CONSTRUCTION OF THE WATER LINE.
2. PIPE DESIGN PRESSURE = 150 PSI.
3. ALL DUCTILE IRON PIPE JOINTS SHALL BE RESTRAINED.

Bozeman City 10:30:00  
LAS VEGAS VALLEY WATER DISTRICT DATE

NOTE  
WELD ALL JOINTS FROM  
STA. 14+35 TO 14+93.



|                  |                 |
|------------------|-----------------|
| PROJECT No: 5669 | DRAWN BY: LMW   |
| DESIGNED BY: LMW | CHECKED BY: DWE |
| APPROVED BY: KDG |                 |

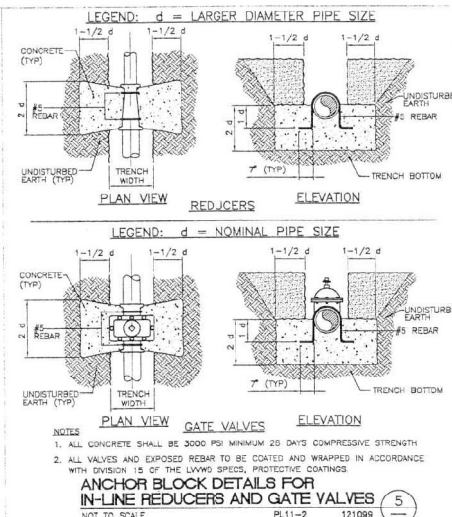
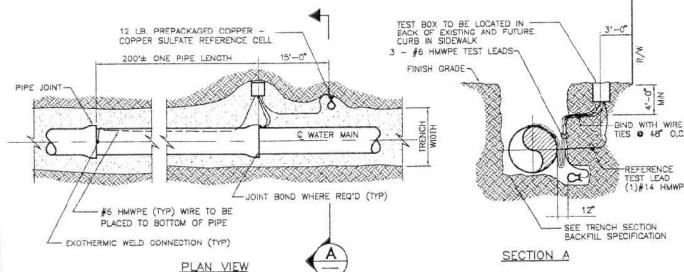
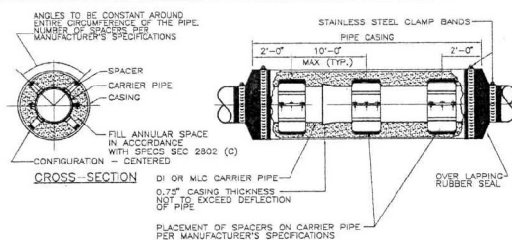
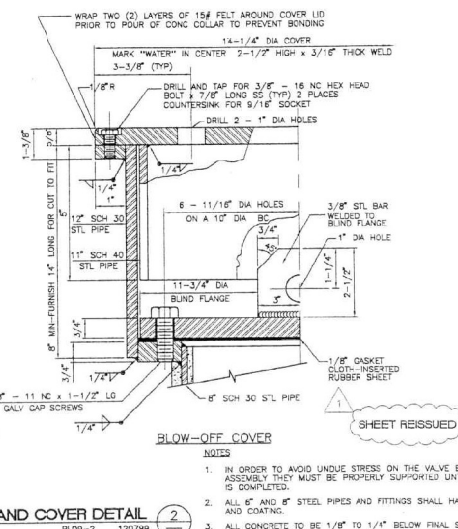
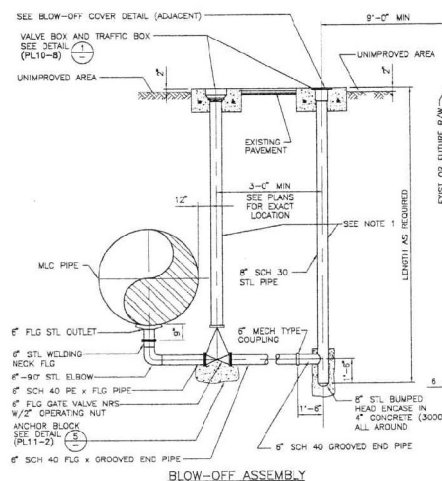
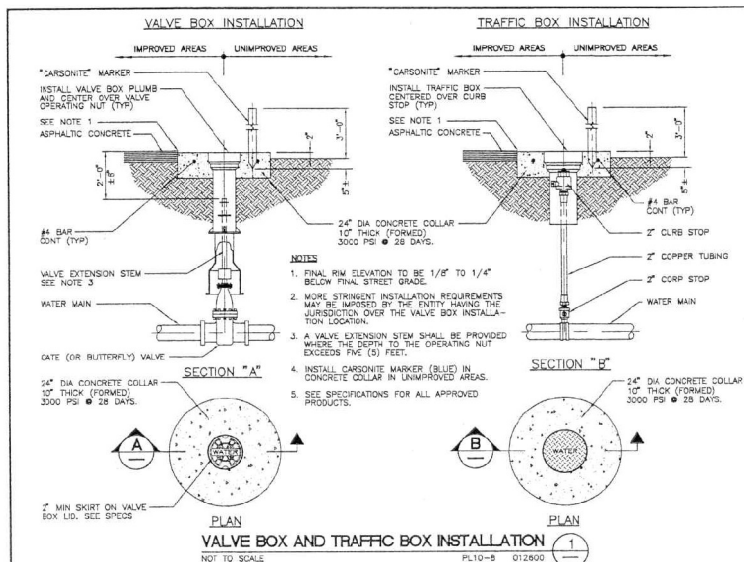


• CONSULTING ENGINEERS  
• PLANNERS  
• LAND SURVEYORS



PARSONS  
TRANSPORTATION  
GROUP  
LAS VEGAS, NEVADA

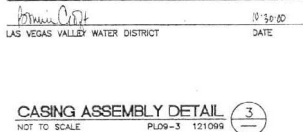
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|---------------|-------------|
| SCALE         | L-1549      |
| HORIZ: 1"=40' |             |
| VERT: 1"=4'   |             |
| FIELD BOOK    |             |
|               | DRAWING NO. |
|               | W-2         |
|               | SHT. OF     |



| APPROXIMATE PIPELINE STATIONING<br>OF TEST STATIONS |         |                |
|-----------------------------------------------------|---------|----------------|
| SHEET NO                                            | STATION | ADDITIONAL WIR |
| W1                                                  | 13+80   |                |
| W1                                                  | 13+90   |                |
| W1                                                  | 17+28   |                |
| W2                                                  | 14+44   |                |
| W2                                                  | 14+46   |                |
| W2                                                  | 14+89   |                |

TEST STATION INSTALLATION WITHOUT ANODES

APPROVED FOR CONSTRUCTION:

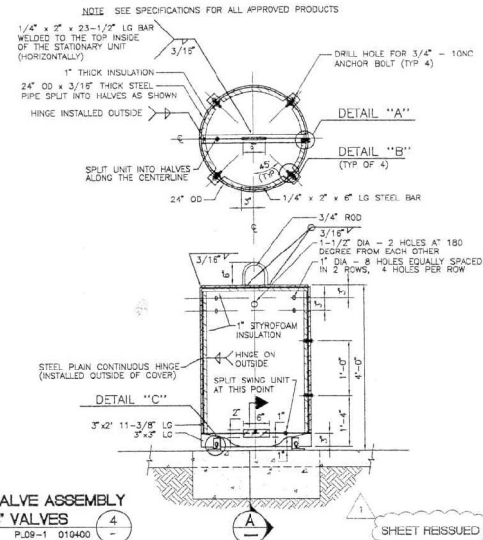
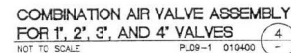
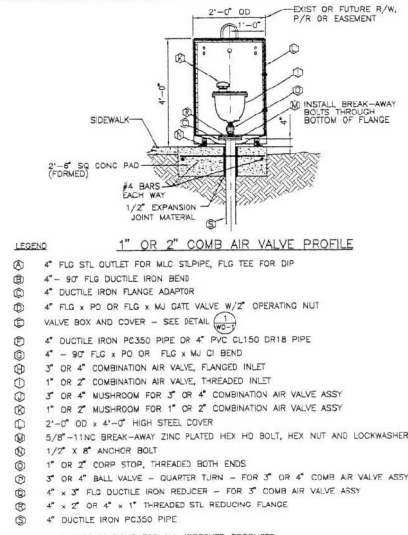
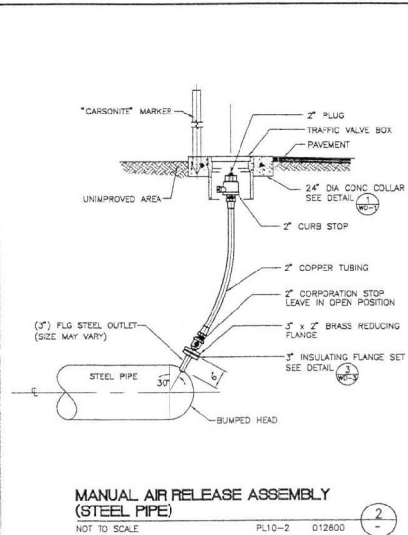


WB/NB SEGMENT LAS VEGAS BELTWAY-EL CAPITAN TO JONES  
MISCELLANEOUS DETAILS  
CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS

|  |                                                                                                                                                                                                                |  |                                                                                                                                                                                                                                                                                                                                      |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <h2 style="margin: 0;">WB/NB SEGMENT LAS VEGAS BELTWAY-EL CAPITAN TO JONES</h2> <h3 style="margin: 0;">MISCELLANEOUS DETAILS</h3> <h4 style="margin: 0;">CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS</h4> |  | <div style="font-size: 0.8em;">             PROJECT No: 3669    DRAWN BY: LMW<br/>             DESIGNED BY: LMW    CHECKED BY: DWS<br/>             APPROVED BY: KDG           </div> <div style="font-size: 0.8em; margin-top: 5px;">              PARSONS TRANSPORTATION GROUP<br/>             LAS VEGAS, NEVADA           </div> |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|





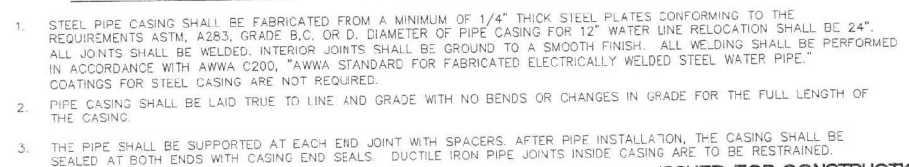






10-30-00  
DATE

|                 |             |
|-----------------|-------------|
| SCALE           | L-1549      |
| HORIZ: AS NOTED |             |
| VERT: NA        |             |
| FIELD BOOK      |             |
|                 |             |
|                 | DRAWING NO. |
|                 | WD-4        |
|                 | SHT. OF     |



|             |             |
|-------------|-------------|
| SCALE       | L-1632      |
| HORIZ: NONE |             |
| VERT: NONE  |             |
| FIELD BOOK  |             |
|             | DRAWING NO. |
|             | WD-5        |
|             | SHT. OF     |

# OFFSITE SEWER PHASE 1

FOR

## FARM / US 95 - SUBDIVISION APN #125-17-301-002

CITY OF LAS VEGAS / CLARK COUNTY

STATE OF NEVADA

DEVELOPED BY:

NORTHWEST 95, LLC

3320 NORTH BUFFALO DRIVE, LAS VEGAS NEVADA 89129 TELE: (702) 242-4949

### APPROVALS

*Charles Karkowski* 10-19-2000  
CHARLES KARKOWSKI, JR., PE #4704 DATE  
CITY ENGINEER

APPROVAL OF THESE PLANS IS LIMITED TO THOSE IMPROVEMENTS  
CONSTRUCTED IN THE INDICATED RIGHT-OF-WAY AND/OR DEDICATED  
EASEMENTS. THIS APPROVAL DOES NOT AUTHORIZE THE CONSTRUCTION OF  
ANY IMPROVEMENTS THAT DEVIATE FROM ADOPTED STANDARDS AND/OR  
SPECIFICATIONS EXCEPT THOSE SPECIFICALLY LISTED UNDER DRAWING  
PLAN STANDARDS. THE ENGINEER SHALL BE LIABLE FOR ANY DEVIATION OTHER  
THAN THOSE LISTED IN DRAWINGS FROM STANDARDS IN FORCE OF THE  
UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS CLARK COUNTY AREA  
NEVADA.

*Richard M. Hood* 10-10-00  
WILLIAMS GAS PIPELINE WEST DATE

*Richard M. Hood* 7/24/00  
NEVADA POWER COMPANY DATE

NEVADA POWER COMPANY APPROVAL IS ONLY FOR THE PLACEMENT  
AND CLEARANCE OF STREET LIGHT AND SIGNAL LIGHT INSTALLATION.

*Richard M. Hood* 7/24/00  
SEAL: RICHARD M. HOOD DATE

*Paul M. And* 8-23-00  
CLARK COUNTY BELTWAY GROUP DATE  
PAUL M. AND

SHEET REISSUED

|                                                                                                                              |  |                                                                                                                              |  |
|------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------|--|
| NORTHWEST 95, LLC<br>2775 SOUTH HAWKEYE BOULEVARD, SUITE 100, LAS VEGAS, NEVADA 89146<br>TEL: 702-242-4949 FAX: 702-242-4949 |  | NORTHWEST 95, LLC<br>2775 SOUTH HAWKEYE BOULEVARD, SUITE 100, LAS VEGAS, NEVADA 89146<br>TEL: 702-242-4949 FAX: 702-242-4949 |  |
| DESIGNED BY:<br>P.L.                                                                                                         |  | CHECKED BY:<br>P.L.                                                                                                          |  |
| PROJECT NO.<br>1077-447-05                                                                                                   |  | SHEET NO.<br>1 OF 6 SHEETS                                                                                                   |  |
| DATE<br>8-23-00                                                                                                              |  | DATE<br>8-23-00                                                                                                              |  |
| SCALE<br>AS SHOWN                                                                                                            |  | SCALE<br>AS SHOWN                                                                                                            |  |
| SHEET<br>1                                                                                                                   |  | SHEET<br>1                                                                                                                   |  |
| TITLE<br>FARM / US 95 SUBDIVISION<br>OFFSITE SEWER PHASE I                                                                   |  | TITLE<br>FARM / US 95 SUBDIVISION<br>OFFSITE SEWER PHASE I                                                                   |  |
| DRAWN BY:<br>P.L.                                                                                                            |  | DRAWN BY:<br>P.L.                                                                                                            |  |
| DATE<br>8-23-00                                                                                                              |  | DATE<br>8-23-00                                                                                                              |  |
| SCALE<br>AS SHOWN                                                                                                            |  | SCALE<br>AS SHOWN                                                                                                            |  |
| SHEET<br>1                                                                                                                   |  | SHEET<br>1                                                                                                                   |  |
| TITLE<br>FARM / US 95 SUBDIVISION<br>OFFSITE SEWER PHASE I                                                                   |  | TITLE<br>FARM / US 95 SUBDIVISION<br>OFFSITE SEWER PHASE I                                                                   |  |
| DRAWN BY:<br>P.L.                                                                                                            |  | DRAWN BY:<br>P.L.                                                                                                            |  |
| DATE<br>8-23-00                                                                                                              |  | DATE<br>8-23-00                                                                                                              |  |
| SCALE<br>AS SHOWN                                                                                                            |  | SCALE<br>AS SHOWN                                                                                                            |  |
| SHEET<br>1                                                                                                                   |  | SHEET<br>1                                                                                                                   |  |
| TITLE<br>FARM / US 95 SUBDIVISION<br>OFFSITE SEWER PHASE I                                                                   |  | TITLE<br>FARM / US 95 SUBDIVISION<br>OFFSITE SEWER PHASE I                                                                   |  |



1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA, LATEST ISSUE, THE UNIFORM BUILDING CODE AND ALL LOCAL CITY ORDINANCES AND ORDINANCES APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA, AS AMENDED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF THESE SPECIFICATIONS.

2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS, ANY ADDITIONS, DELETIONS, OR CHANGES

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CITY OF LAS VEGAS FIRE DEPARTMENT ORDINANCE # 511, "HYDRANT SPECIFICATIONS AND "HYDRANT INSTALLATION SPECIFICATION".
2. AUTHORIZED FIRE HYDRANTS FOR THIS PROJECT ARE:
  - A. KENNEDY-GUARDIAN MODELS KB1A AND KB1D
  - B. CLOW-MEDALLION MODEL F-2546LV
3. ON ANY RESIDENTIAL OR COMMERCIAL INSTALLATIONS FIRE HYDRANTS

1. NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN RELEASED FOR CONSTRUCTION BY THE LVVWD. FOLLOWING WATER PLAN APPROVAL, 48 HOUR NOTICE SHALL BE GIVEN TO THE LVVWD COMMUNICATIONS SUPPORT CENTER (258-7171) PRIOR TO THE START OF CONSTRUCTION. NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO A LVVWD INSPEC-

2. ALL WORK SHALL CONFORM TO LIVING STANDARD PRACTICES, DRAWINGS AND SPECIFICATIONS OF THE U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA) AND DAVIDS FOR WATER DISTRIBUTION SYSTEMS (LOCAL LATEST EDITION).
3. WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME. IT SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT DRAFT OF EDITION OF THE U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA) AND DAVIDS FOR WATER DISTRIBUTION SYSTEMS (LOCAL LATEST EDITION) FOR CHLORINE GAS/CHLORINE IMPROVEMENTS, CHLORINE GAS/CHLORINE.
4. KIND OF MATERIALS TO BE USED SHALL BE APPROVED BY THE PROJECT IN-CHARGE ENGINEER BY THE U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA) AND DAVIDS FOR WATER DISTRIBUTION SYSTEMS (LOCAL LATEST EDITION) FOR CHLORINE GAS/CHLORINE IMPROVEMENTS, CHLORINE GAS/CHLORINE.
5. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAY, VALLEY AND DRIVEWAY.
6. THE FOLLOWING REQUIREMENTS MUST BE MET IN THE EVENT A WATER LINE IS A SANITARY SEWER LINE:
  - A. A MINIMUM FIFTEEN (15) INCH VERTICAL SEPARATION (OUTSIDE TO OUTSIDE) SHALL BE MAINTAINED BETWEEN THE VERTICAL SEPARATION OF THE SANITARY OR STORM SEWER LINE AND THE VERTICAL SEPARATION OF THE SANITARY OR STORM SEWER LINE. THE SANITARY OR STORM SEWER LINE SHALL BE LOCATED OUTSIDE OF DRIVEWAY, VALLEY AND DRIVEWAY.
  - B. THE FOLLOWING REQUIREMENTS MUST BE MET IN THE EVENT A WATER LINE IS A SANITARY SEWER LINE:
    - 1. A MINIMUM FIFTEEN (15) INCH VERTICAL SEPARATION (OUTSIDE TO OUTSIDE) SHALL BE MAINTAINED BETWEEN THE VERTICAL SEPARATION OF THE SANITARY OR STORM SEWER LINE AND THE VERTICAL SEPARATION OF THE SANITARY OR STORM SEWER LINE.
    - 2. THE SANITARY OR STORM SEWER LINE SHALL BE LOCATED OUTSIDE OF DRIVEWAY, VALLEY AND DRIVEWAY.

[illegible]

15. CONDITIONAL APPROVAL OF VALVED OUTLET (6" AND LARGER)

IS ACCEPTABLE, HOWEVER IF THE OUTLETS ARE INCORRECTLY LOCATED OR NOT USED FOR ANY REASON WHEN THE PROPERTY IS DEVELOPED, THE DEVELOPER SHALL ABANDON THE OUTLETS AT THE CONNECTIONS TO THE ACTIVE MAIN IN ACCORDANCE WITH THE DISTRICT'S STANDARDS AND AT THE DEVELOPER'S EXPENSE.

WATER SEWER CROSSING:

WHEN PROTECTION OF THE WATER LINE IS CONSIDERED, THE MINIMUM VERTICAL DISTANCE OF FOURTEEN (14') MUST BE MAINTAINED WHEN THE WATER LINE IS INSTALLED OVER THE SEWER/LINE IF THE DISTANCE CANNOT BE MAINTAINED BECAUSE OF PHYSICAL OBSTRUCTION OF THE WATER LINE MUST BE PLACED UNDER THE SEWER/STORM LINE. THE SEWER/LINE MUST BE CONSTRUCTED WITHIN THE FOLLOWING:

- A. EXTRA HEAVY CAST IRON OR DUCTILE IRON PIPE
- B. WATER SUPPLY QUALITY
- C. ENCASUREMENT WITH 4" INCHES MINIMUM OF CONCRETE OR SLEEVING WITH WATER QUALITY PIPE

EACH OF THESE PROVISIONS MUST BE EXTENDED FOR TEN FEET (10') ON EITHER SIDE OF THE WATER LINE AT 90 DEGREES TO THE CROSSING.

|    |              |    |               |
|----|--------------|----|---------------|
| FF | FINISH FLOOR | RW | RIGHT OF WAY  |
| FG | FINISH GRADE | PL | PROPERTY LINE |
| FL | FLOW LINE    | CL | CENTER LINE   |
| TC | TOP OF CURB  | OC | OFFSET CROWN  |

|      |                          |     |                                     |
|------|--------------------------|-----|-------------------------------------|
| FUT. | FUTURE                   | BCL | BASE LENGTH                         |
| EX   | EXISTING                 | TF  | TOP OF FOOTING                      |
| VG   | VALLEY GUTTER            | CB  | GRADE BREAK                         |
| NG   | NATURAL GROUND           | PC  | POINT OF CURVATURE                  |
| H.P. | HIGH POINT               | PT  | POINT OF TANGENCY                   |
| L.P. | LOW POINT                | PRC | POINT OF REVERSE CURVATURE          |
| SSWH | SEWER MANHOLE            | PCC | POINT OF COMPOUND CURVATURE         |
| SD   | SEWER DRAIN              | BVC | BEGIN VERTICAL CURVE                |
| RCP  | REINFORCED CONCRETE PIPE | EVC | END POINT OF VERTICAL CURVE         |
|      |                          | PVC | POINT OF REVERSE VERTICAL CURVATURE |
|      |                          | TOW | TOP OF RETAINING WALL SE            |

| DESCRIPTION              | PROPOSED                                                                              | EXISTING                                                                              |
|--------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| TOPOGRAPHY (5' INTERVAL) |  |  |
| EDGE OF RAILWAY          |                                                                                       |                                                                                       |

SIDEWALK RAMP    
SLOPE AND FLOW DIRECTION 0.50% (0.50%)

|                |  |  |
|----------------|--|--|
| RETAINING WALL |  |  |
| RW OR PL       |  |  |
| CENTER LINE    |  |  |
| TYPE "A" CURB  |  |  |
| EDGE OF CURB   |  |  |

SCARP AREA

WATER LINE

---

1. IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING GRADING OPERATIONS, THE OWNER/ENGINEER SHALL BE IMMEDIATELY NOTIFIED.
2. THE CONTRACTOR SHALL TAKE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFF-SITE WORK, SO AS TO GENERATE THE DESIRED SUBGRADE FINISH GRADES AND SLOPES SHOWN.
3. CONTRACTOR SHALL TAKE RESPONSIBILITY FOR ALL EXCAVATION.

1. ALL CONSTRUCTION SIGNING, BARRICADEING AND TRAFFIC DELINEATION SHALL CONFORM TO THE "NEVADA WORK ZONE TRAFFIC CONTROL HANDBOOK," LATEST EDITION, AND TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES," LATEST EDITION.
2. THE STREET CLOSING CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERS FROM THE PLANNING DEPARTMENT PRIOR TO CONSTRUCTION.
3. BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE

THE BASIS OF BEARINGS FOR THIS PROJECT IS GRID NORTH AS DEFINED BY THE NEVADA COORDINATE SYSTEM OF 1983 (NCS83), EAST ZONE, (2701), DETERMINED BY CLARK COUNTY QS CONTROL POINTS 802, 803, 804, AND 805 AS SHOWN ON A RECORD OF SURVEY ON FILE IN THE CLARK COUNTY, NEVADA RECORDER'S OFFICE, IN BOOK 88 OF SURVEYS, AT PAGE 53.

PROJECT DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)  
CLARK COUNTY BENCHMARK: 00901796  
ELEVATION: 799.117 FEET (2,621.77 FEET)  
RIVET AND SQUARE ALUMINUM PLATE IN TOP CENTER OF HEADWALL ON THE  
WEST SIDE OF U.S. 95 NEAR MILE MARKER 90.15.

Call  
before you  
Overhead



























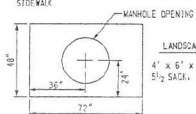
# CONSTRUCTION NOTES

## SAFETY FIRST - APPLIES TO ALL PHASES OF THIS PROJECT.

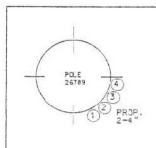
- ALL CONSTRUCTION TO CONFORM TO CURRENT SPRINT UNDERGROUND SPECIFICATIONS.
- THIS DRAWING SHOWS EXISTING FOREIGN UTILITIES. THE CONTRACTOR SHALL DETERMINE TO HIS SATISFACTION THE ACTUAL POSITION AND DEPTH OF EXISTING UTILITIES AND PROVIDE FOR THEIR INTERFERENCE DURING THE TIME OF THE ORIGINAL SO AS HE WILL ASSUME THIS LIABILITY DURING THE PERFORMANCE OF THIS WORK.
- THE CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT AND MATERIAL NECESSARY FOR THE COMPLETION OF THIS WORK.
- THE CONTRACTOR SHALL REMOVE, REPLACE AND/OR RELOCATE ANY SURFACE OR SUBSURFACE OBSTRUCTIONS AS REQUIRED AT HIS EXPENSE, (E.G. CURB, GUTTER, ASPHALT, CONCRETE, UTILITIES, ETC.)
- CALL 244-7211 FOR INSPECTION 24 HOURS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL INSTALL A TAPERED POLYETHYLENE DUCT PLUG WITH PULL STRING TAB IN ALL CONDUIT, TERMINATED OR CAPED ASSOCIATED WITH THIS PROJECT.
- THE CONTRACTOR SHALL PROVIDE AND INSTALL A WATERPROOF-400 LB TENSILE STRENGTH MEASURING TAPE MARKED IN ONE FOOT INCREMENTS, IN AT LEAST ONE DUCT OF EACH CONDUIT SECTION. ALL OTHER CONDUIT IN A MULTIPLE DUCT SYSTEM SHALL HAVE A 3/32 OF AN INCH JETLINE PULL STRING WITH 400LB TENSILE STRENGTH.
- ALL TRENCHING SHALL BE OF A MINIMUM DEPTH TO MAINTAIN A MINIMUM 36 INCH COVER OVER ALL FACILITIES AND 12 INCH MINIMUM SEPARATION FROM FOREIGN UTILITIES. COMPACT ALL BACKFILL TO 95% AND COMPLY TO ALL CLARK COUNTY REQUIREMENTS.
- AN APPROVED SAND ENVELOPE SHALL BE INSTALLED AROUND ALL CONDUIT PRIOR TO BACK FILLING (UNLESS INDICATED).
- CONTRACTOR SHALL PROVE AND MANHOLE ALL CONDUIT IN THE PRESENCE OF A SPRINT CONDUIT INSPECTOR.
- THE CONTRACTOR WILL BE RESPONSIBLE TO RESTORE THE WORK AREA BACK TO THE ORIGINAL CONDITION OR BETTER UPON COMPLETION OF THIS PROJECT.
- ALL CONDUIT SHALL BE DB-100 OR APPROVED EQUAL PER A.S.T.M SPECIFICATIONS AND JOINED USING AN APPROVED CONTACT CEMENT WITH SURFACE PRIMER.
- ALL CONDUIT SWEEPS WITH A RADIAL BEND LESS THAN FORTY FEET SHALL BE FACTORY FORMED UNLESS OTHERWISE SPECIFIED.
- ALL CONDUIT SPLAYS WILL BE MINIMUM 30 FEET FOR MANHOLES, 20 FEET FOR PULLBOXES IN LENGTH UNLESS SPECIFIED.
- AS-BUILT FOOTAGE'S OF ALL CONDUIT PLACED BY CONTRACTOR MUST BE RECEIVED BY SPRINT PRIOR TO PLACING OF CABLE.
- THE CONTRACTOR WILL VERIFY THE TRENCH BACKFILL AND PAVING REQUIREMENTS BY THE CLARK COUNTY PRIOR TO BID SUBMITTAL AND INCLUDE THESE COST IN THEIR BID.

## NOTE "A"

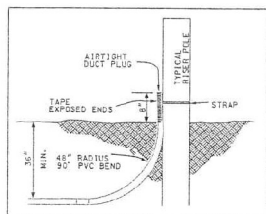
A 4' x 6' x 6" COLLAR MUST BE INSTALLED AROUND MANHOLE OPENINGS WHEN MANHOLES ARE NOT LOCATED WITHIN A CONCRETE SIDEWALK.



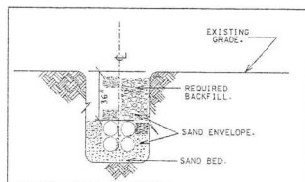
LANDSCAPE AREA COLLAR  
4' x 6' x 6" CONCRETE SLAB  
5 1/2" SACK, TYPE S, 1 1/2" AGG., P.C.C.



QUADRANT DETAIL  
N.T.S.



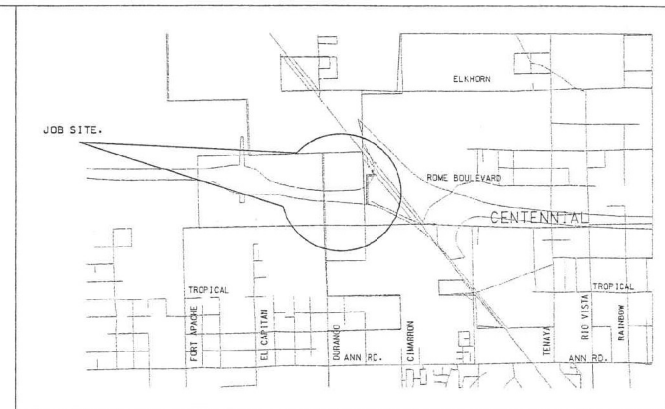
RISER DETAIL  
N.T.S.



TRENCH DETAIL  
N.T.S.

## BID ITEMS:

- "510 MANHOLE": 4.5' X 8.5' X 7' EQUIPPED WITH 8-47 HOLE CABLE RACKS, THREE (3) EACH SIDE, ONE (1) EACH END, ONE (1) LADDER, THREE FOOT (3') NECK, MINIMUM OF THREE (3) STEPS AND A BOLT DOWN TRAFFIC COVER MARKED "TELCO", PLACE CONCRETE COLLAR PER SPRINT SPECIFICATIONS, WHEN APPLICABLE. THE MANHOLE OPENING IS TO BE IN CENTERLINE OF MANHOLE, UNLESS OTHERWISE SPECIFIED.
- "400 PULLBOX": 3' X 5' X 4' EQUIPPED WITH TWO (2) 3/4" H20-44 LOADING BOLT DOWN TRAFFIC STEEL PLATE COVERS MARKED "TELCO" SUPPORTED BY SIX (6) REMOVABLE BEAMS (BEAM AND PLATE TYPE LIDS), AND 4-18 HOLE CABLE RACKS, TWO (2) EACH SIDE. PLACE CONCRETE COLLAR PER SPRINT SPECIFICATIONS, WHEN APPLICABLE.
- 4-4" CONDUIT: DB-100.
- 4-4" R.G.S. BENDS: 48" RADIUS.
- 4-4" RISERS: 48" RADIUS, 90 DEGREE P.V.C.
- CONCRETE ENCASUREMENT PER CURRENT SPRINT SPECIFICATIONS.



VICINITY MAP  
N.T.S.

## LEGEND

|   |         |                                                |
|---|---------|------------------------------------------------|
| — | CONDUIT | PROPOSED P.V.C. - D.B. (DIRECT BURIAL) GRADE   |
| — | CONDUIT | 90 SWEEPS - SCHEDULE 40 (TYPICAL) OR           |
| — | CONDUIT | RIGID GALVANIZED STEEL (AS SHOWN) SEE BID ITEM |
| — | CONDUIT | EXISTING CONDUIT                               |
| — | CONDUIT | EXISTING MANHOLE                               |
| — | CONDUIT | PROPOSED MANHOLE, SIZE VARIES, SEE BID ITEM    |
| — | CONDUIT | PROPOSED 2' X 4' X 5'                          |
| — | CONDUIT | PROPOSED 17" X 30"                             |
| — | CONDUIT | PROPOSED CONDUIT SUB                           |

REVISION!  
DESTROY ALL  
OTHER COPIES.

SPRINT  
PROPRIETARY  
CONSTRUCTION PERMIT REQUIRED  
BY CONTRACTOR

INSPECTION NOTE:  
SPRINT INSPECTOR IS TO UTILIZE  
HIC CODE FOR TIME PURPOSES.

DRAFTING/POSTING NOTE:  
INDICATE ALL P.V.C. AND DESIGNATION INFORMATION ON PLATS.

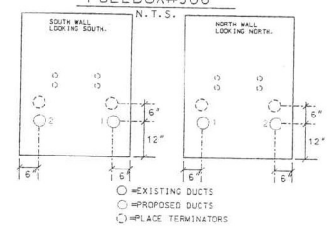
CONTRACTOR NOTE:  
UPON FINAL INSPECTION BY OUR INSPECTOR,  
WE WILL BE DEPOSITED WITH ACTUAL MEASUREMENTS  
AND ALL CHANGES SHOWN ON THE INVOICE  
THIS PROCEEDURE WILL EXPEDITE PAYMENT.

|                                                                                               |  |                                                                                                 |  |
|-----------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------|--|
| CLARK COUNTY APPROVAL:                                                                        |  | DATE:                                                                                           |  |
| <div> <div>Call before you Dig.</div> <div>Sprint.</div> </div>                               |  | <div> <div>1-800-227-2608</div> <div>UNDERGROUND SERVICE TEAM</div> </div>                      |  |
| <div> <div>CONSTRUCTION</div> <div>105-95 AND NORTHERN BELTWAY</div> <div>1"=40'</div> </div> |  | <div> <div>NO. 11/10/09</div> <div>DAVID MORONG</div> <div>244-7653</div> <div>423</div> </div> |  |
| <div> <div>SPRINT</div> <div>105-95 AND NORTHERN BELTWAY</div> </div>                         |  | <div> <div>11/10/09</div> <div>244-7653</div> <div>423</div> </div>                             |  |

21+50.00  
MATCHLINE SHEET #3.

14+00.00  
MATCHLINE THIS SHEET.

DUCT DETAIL  
PULLBOX #906



①  
CURVE DATA  
Δ=67°52'09"  
R=14.5000'  
T=09.7564'  
C=16.1892'  
L=17.1755'

②  
CURVE DATA  
Δ=67°52'09"  
R=14.5000'  
T=09.7564'  
C=16.1892'  
L=17.1755'

"A" CENTERLINE= FUTURE BELTWAY.

3  
4-4"  
802'

CONTRACTOR NOTE "B":  
EXACT LOCATION OF EXISTING  
CONDUIT TO BE VERIFIED BY  
CONTRACTOR.

CONTRACTOR NOTE "A":  
EXACT LOCATION OF EXISTING  
CONDUIT TO BE VERIFIED BY  
CONTRACTOR.

REVISIONS  
DESTROY ALL  
OTHER COPIES.

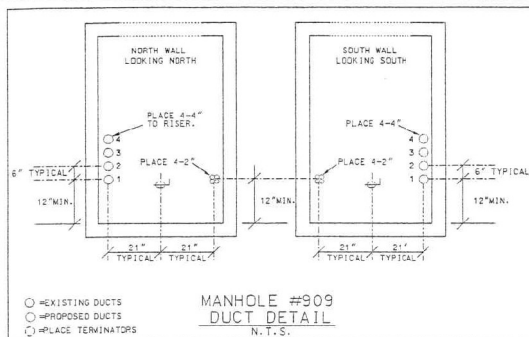
SPRINT  
PROPRIETARY  
CONSTRUCTION PERMIT REQUIRED  
BY CONTRACTOR

INSPECTION NOTE:  
SPRINT INSPECTOR IS TO UTILIZE  
(401) CODE FOR TIME PURPOSES.

DRAFTING/POSTING NOTE:  
INDICATE ALL P.O.C. AND DEDICATION INFORMATION ON PLATS.

CONTRACTOR NOTE:  
AFTER FINAL INSPECTION BY OUR INSPECTOR,  
RETURN ONE COPIED SET OF ACTUAL MEASUREMENTS  
AND ONE COPIED SET OF THE PLAT TO THE INSPECTOR.  
THIS INSPECTION WILL REMAIN IN THE INSPECTOR'S  
POSSESSION.

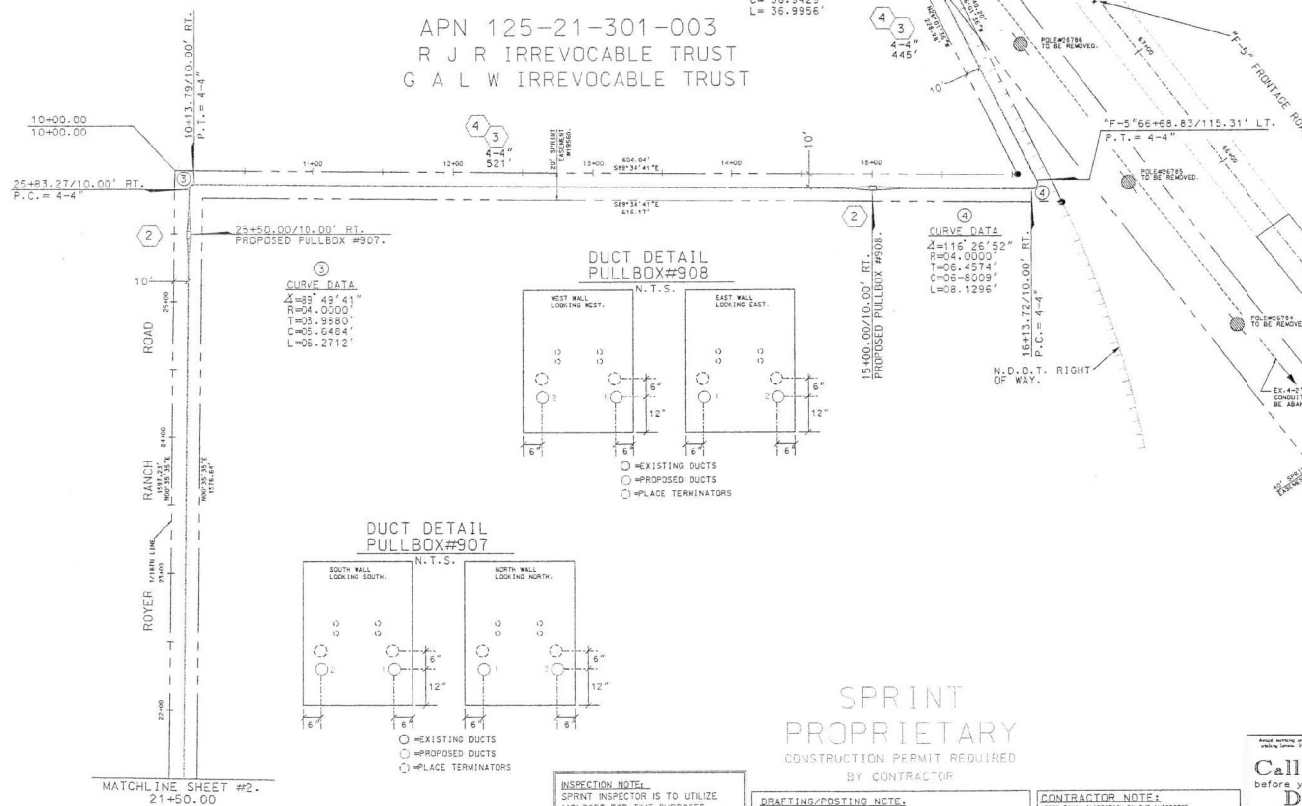
|                                                                                         |                                                                                                |                  |                  |
|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------|------------------|
|                                                                                         | NO. 1<br>CORRECTION IN DIMENSION FOR COVER PROTECTION BENEATH<br>PROPOSED S.F.B. SHEET 4 OF 4. |                  | DATE<br>11/10/00 |
|                                                                                         | SPRINT<br>CONSTRUCTION<br>1-888-227-2600<br>EXCH. LAS VEGAS                                    |                  | DATE<br>11/10/00 |
| THE<br>UNDERGROUND CONDUIT<br>CONSTRUCTION<br>LOC.<br>1-888-227-2600<br>EXCH. LAS VEGAS |                                                                                                | DATE<br>11/10/00 | DATE<br>11/10/00 |



EXISTING POLE #26787.  
PLACE 4-4\"/>

CONTRACTOR NOTE "C":  
EXACT LOCATION OF EXISTING 4-2\"/>

APN 125-21-301-003  
R J R IRREVOCABLE TRUST  
G A L W IRREVOCABLE TRUST



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OTHER COPIES.

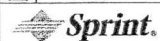
SPRINT  
PROPRIETARY  
CONSTRUCTION PERMIT REQUIRED  
BY CONTRACTOR

INSPECTION NOTE:  
SPRINT INSPECTOR IS TO UTILIZE  
(4C) CODE FOR TIME PURPOSES.

DRAFTING/POSTING NOTE:  
INDICATE ALL P.U.E. AND DEDICATION INFORMATION ON PLATS.

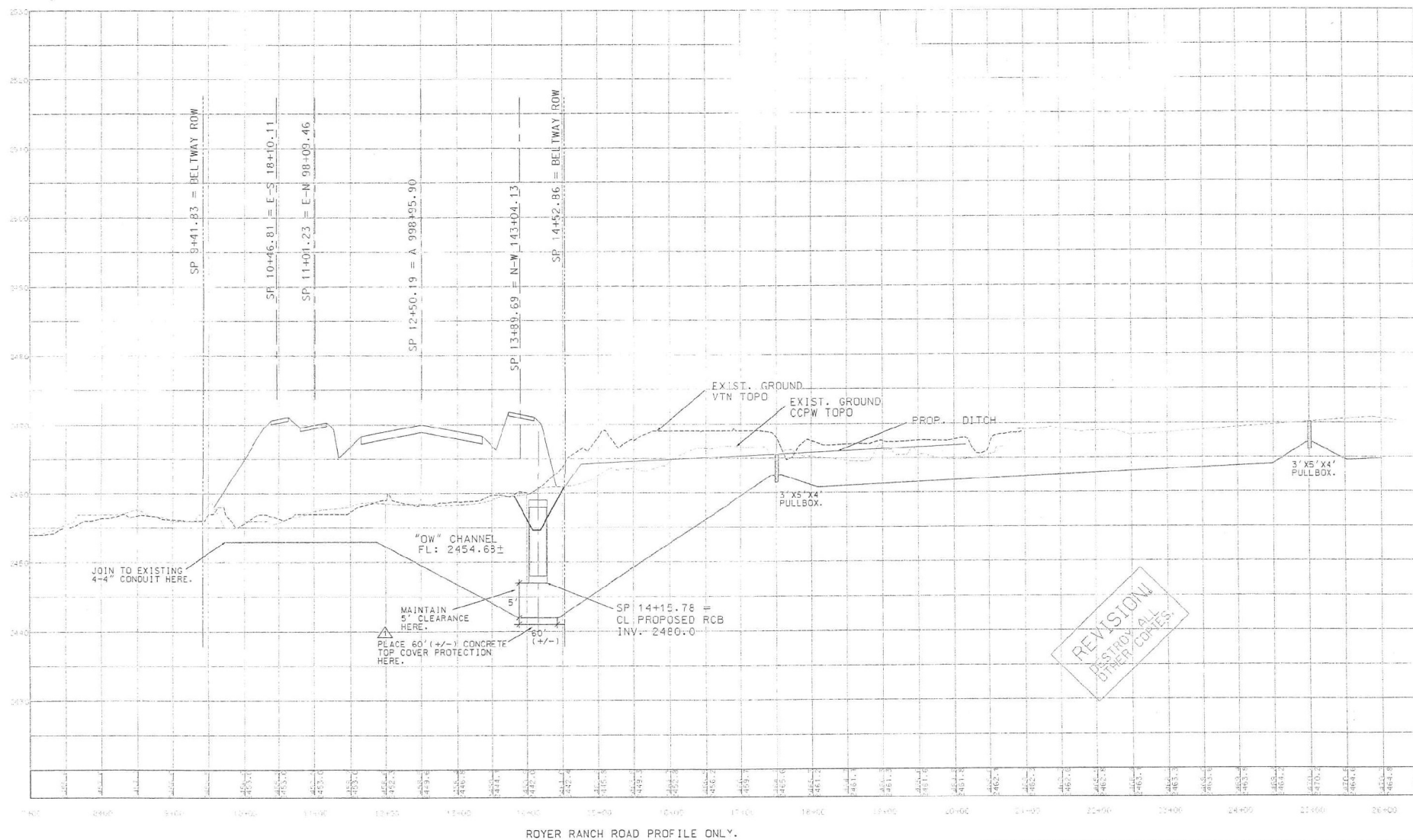
CONTRACTOR NOTE:  
\*NOT FROM INSPECTION BY OUR INSPECTOR.  
\*NOT TO BE USED WITH ANY OTHER MATERIALS.  
\*NOT TO BE USED FOR ANY OTHER PURPOSES.  
\*NOT TO BE USED FOR ANY OTHER PURPOSES.

Call  
before you  
Dig.



| NO. | REVISION                                                                              | BY           | DATE     |
|-----|---------------------------------------------------------------------------------------|--------------|----------|
| 1   | CONNECTION IN DIMENSION FOR COVER PROTECTION BENEATH<br>PROPOSED R.S.B. SHEET 4 OF 4. | DAVID MORENO | 11/10/00 |
| 2   | UNDERGROUND CONDUIT                                                                   | DAVID MORENO | 11/10/00 |
| 3   | CONSTRUCTION                                                                          | DAVID MORENO | 11/10/00 |
| 4   | VE-98 AND NORTHERN BELTWAY                                                            | DAVID MORENO | 11/10/00 |
| 5   | INTERSECTION.                                                                         | DAVID MORENO | 11/10/00 |

SEC-21, T-13 E, R 60 S.



ROYER RANCH ROAD PROFILE ONLY.

**INSPECTION NOTE:**  
SPRINT INSPECTOR IS TO UTILIZE  
(4C) CODE FOR TIME PURPOSES.

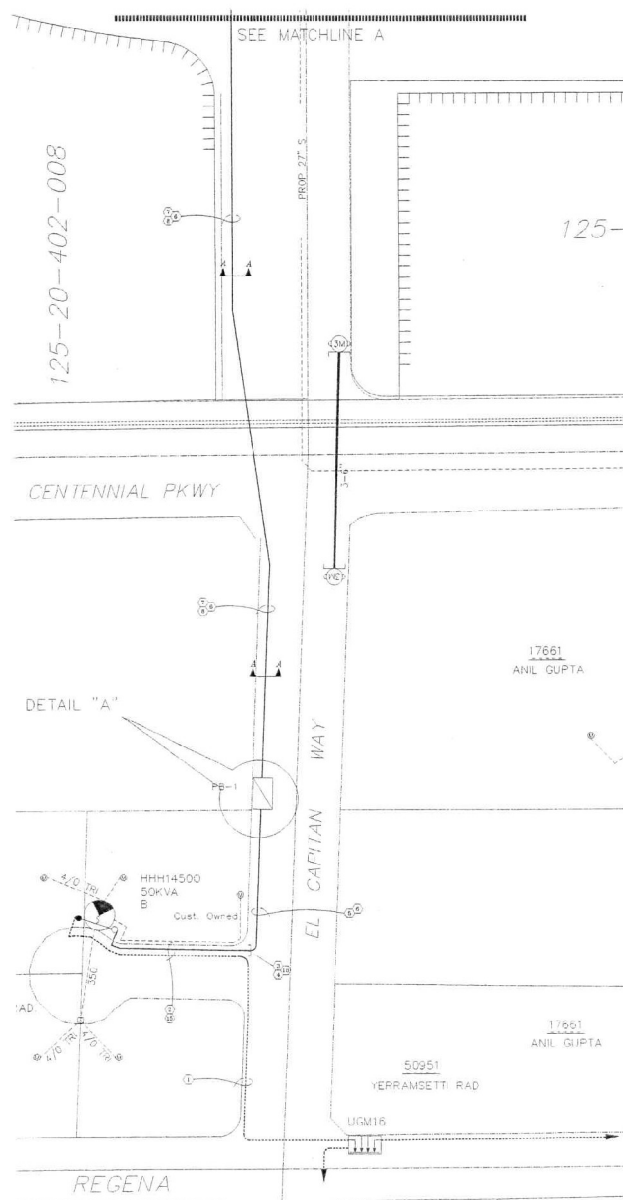
**SPRINT**  
**PROPRIETARY**  
CONSTRUCTION PERMIT REQUIRED  
BY CONTRACTOR

**DRAFTING/POSTING NOTE:**  
INDICATE ALL P.U.E. AND DEDICATION INFORMATION ON PLATS.

**CONTRACTOR NOTE:**  
AFTER FINAL INSPECTION BY OUR INSPECTOR,  
RETURN THE DRAWING WITH ACTUAL MEASUREMENTS  
AND ANY CHANGES SHOWN IN RED ALONG WITH THE INVOICE.  
THIS PROCEDURE WILL EXPEDITE PAYMENT.

|                                                                                     |                                                                                                                                                                                 |                                                                                                   |       |                |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------|----------------|
| Call before you Dig.<br>1-800-227-2600<br><small>©2000 SPRINT SERVICE, INC.</small> | NO.                                                                                                                                                                             | REVISION<br>CORRECTION IN DIMENSION FOR COVER PROTECTION BENEATH<br>PROPOSED R.C.B. SHEET 4 OF 4. | ENGR. | DATE: 11/10/00 |
|                                                                                     | TITLE: UNDERGROUND CONDUIT<br>PROJECT: 344-7853<br>LOCATION: I-25 AND NORTHERN BELTWAY<br>SCALE: 1"=60'<br>DRAWN BY: DAVID MORENO<br>CHECKED BY: DAVID MORENO<br>DATE: 11/10/00 |                                                                                                   |       |                |

REVISION  
DESTROY ALL  
OTHER COPIES.





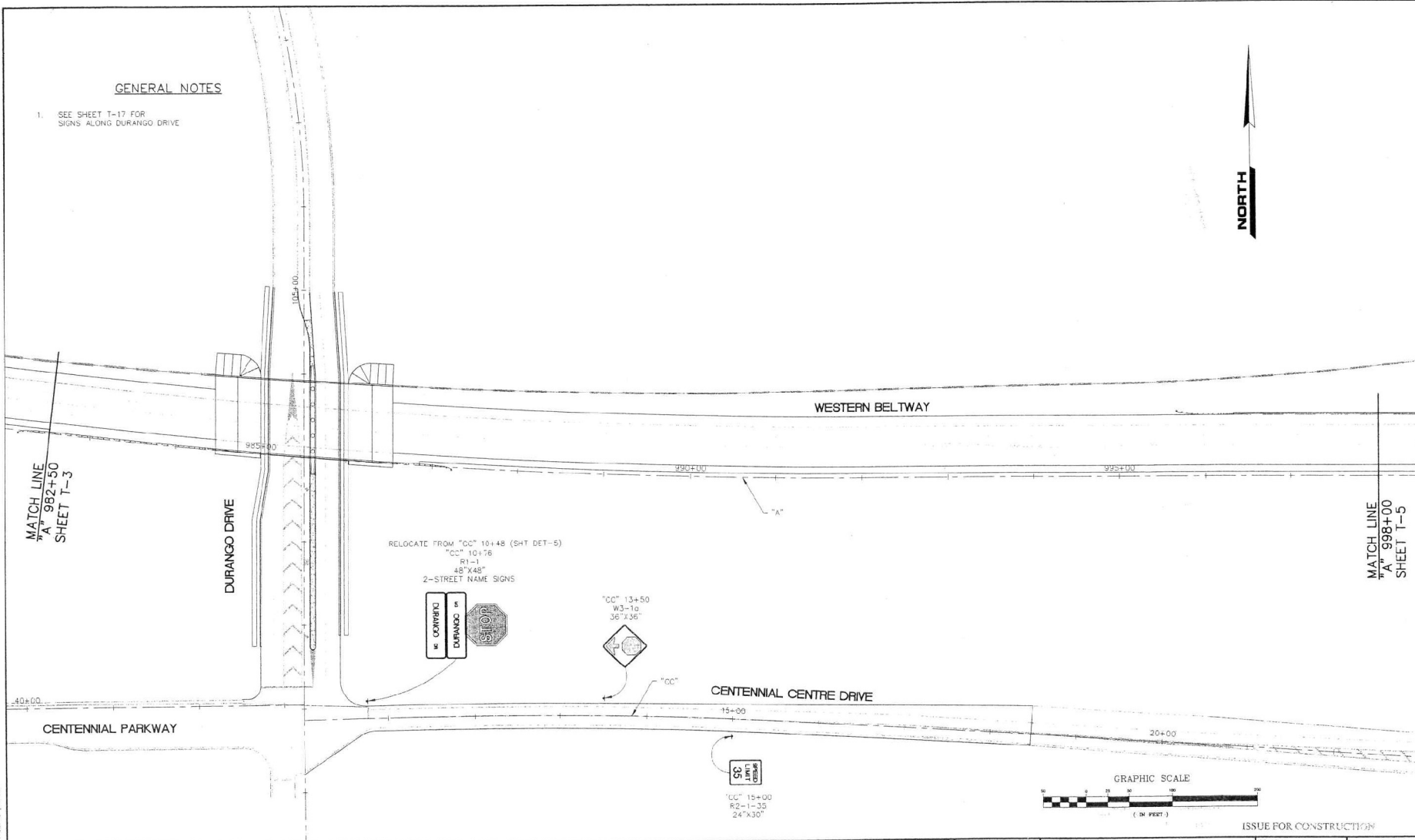






# GENERAL NOTES

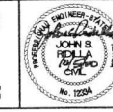
1. SEE SHEET T-17 FOR SIGNS ALONG DURANGO DRIVE



| REV. NO. | DATE | DESCRIPTION | APPROVED |
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**WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES**  
**PERMANENT SIGNING PLAN**  
**"A" 982+50 to "A" 998+00**  
 CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS

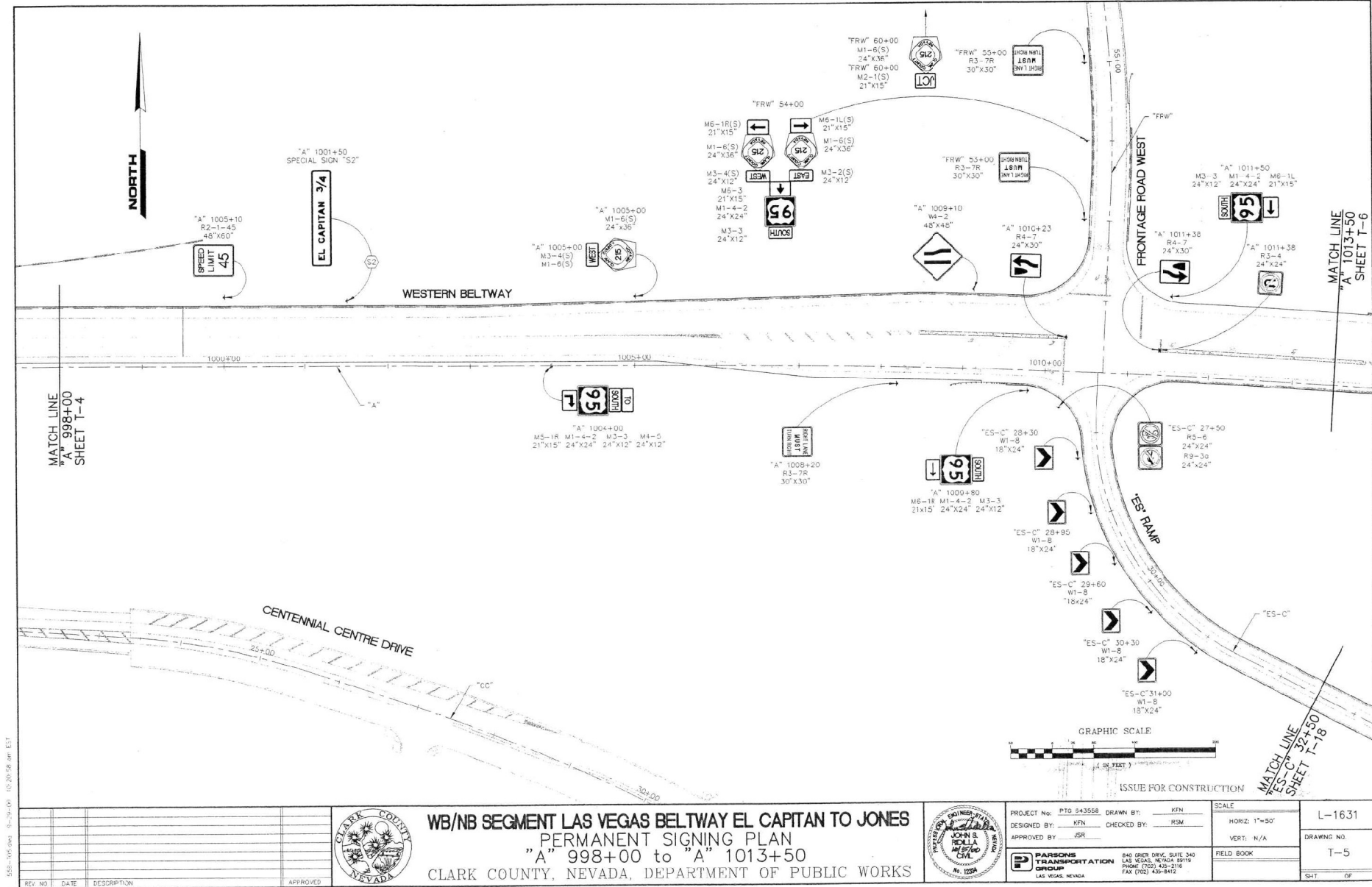


PROJECT NO: **PTD 643558** DRAWN BY: **KFN**  
 DESIGNER BY: **KFN** CHECKED BY: **RSM**  
 APPROVED BY: **JSR**

**PARSONS TRANSPORTATION GROUP**  
 840 CREW DRIVE, SUITE 340  
 LAS VEGAS, NEVADA 89119  
 PHONE (702) 436-2116  
 FAX (702) 436-9412

|               |  |             |
|---------------|--|-------------|
| SCALE         |  | L-1631      |
| HORIZ: 1"=50' |  |             |
| VERT: N/A     |  | DRAWING NO. |
| FIELD BOOK    |  | T-4         |
|               |  | SHT. OF     |

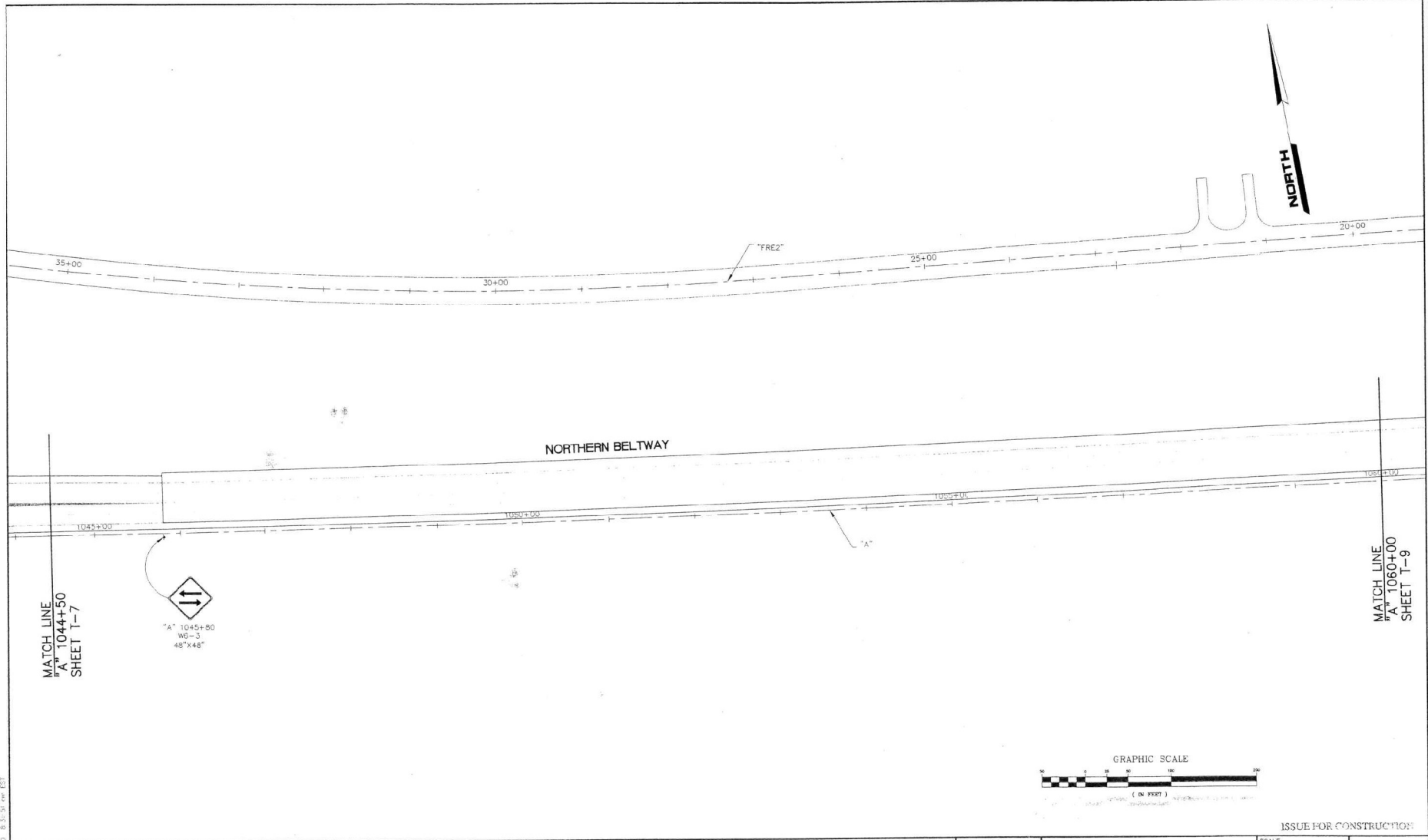
WB/NB EL CAPITAN WAY TO JONES BOULEVARD







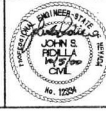




| REV. NO. | DATE | DESCRIPTION | APPROVED |
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**WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES**  
**PERMANENT SIGNING PLAN**  
**"A" 1044+50 to "A" 1060+00**  
 CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS

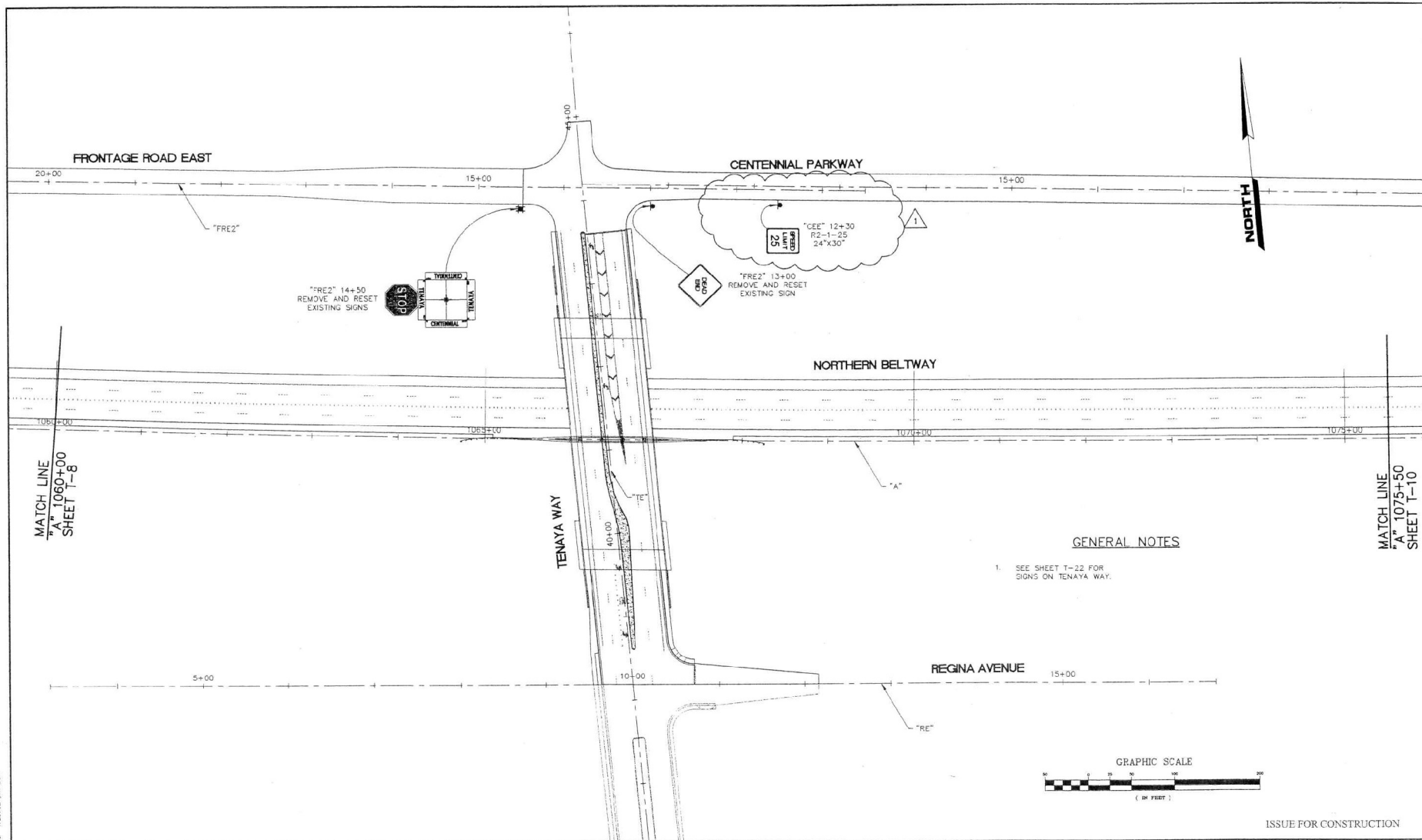


PROJECT No: PTD 843208 DRAWN BY: KFN  
 DESIGNED BY: KFN CHECKED BY: RSM  
 APPROVED BY: JSR

**PARSONS TRANSPORTATION GROUP**  
 840 GRIER DRIVE, SUITE 340  
 LAS VEGAS, NEVADA 89118  
 PHONE (702) 435-2118  
 FAX (702) 435-4412

|               |             |        |
|---------------|-------------|--------|
| SCALE         |             | L-1631 |
| HORIZ: 1"=50' | DRAWING NO. |        |
| VERT: N/A     | T-8         |        |
| FIELD BOOK    | SHT. OF     |        |

WB/NB EL CAPITAN WAY TO JONES BOULEVARD



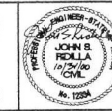
**GENERAL NOTES**

- SEE SHEET T-22 FOR SIGNS ON TENAYA WAY.

| REV. NO. | DATE     | DESCRIPTION    |
|----------|----------|----------------|
| 1        | 10/31/00 | APPENDUM NO. 2 |
| 2        |          |                |
| 3        |          |                |
| 4        |          |                |
| 5        |          |                |
| 6        |          |                |
| 7        |          |                |
| 8        |          |                |
| 9        |          |                |
| 10       |          |                |



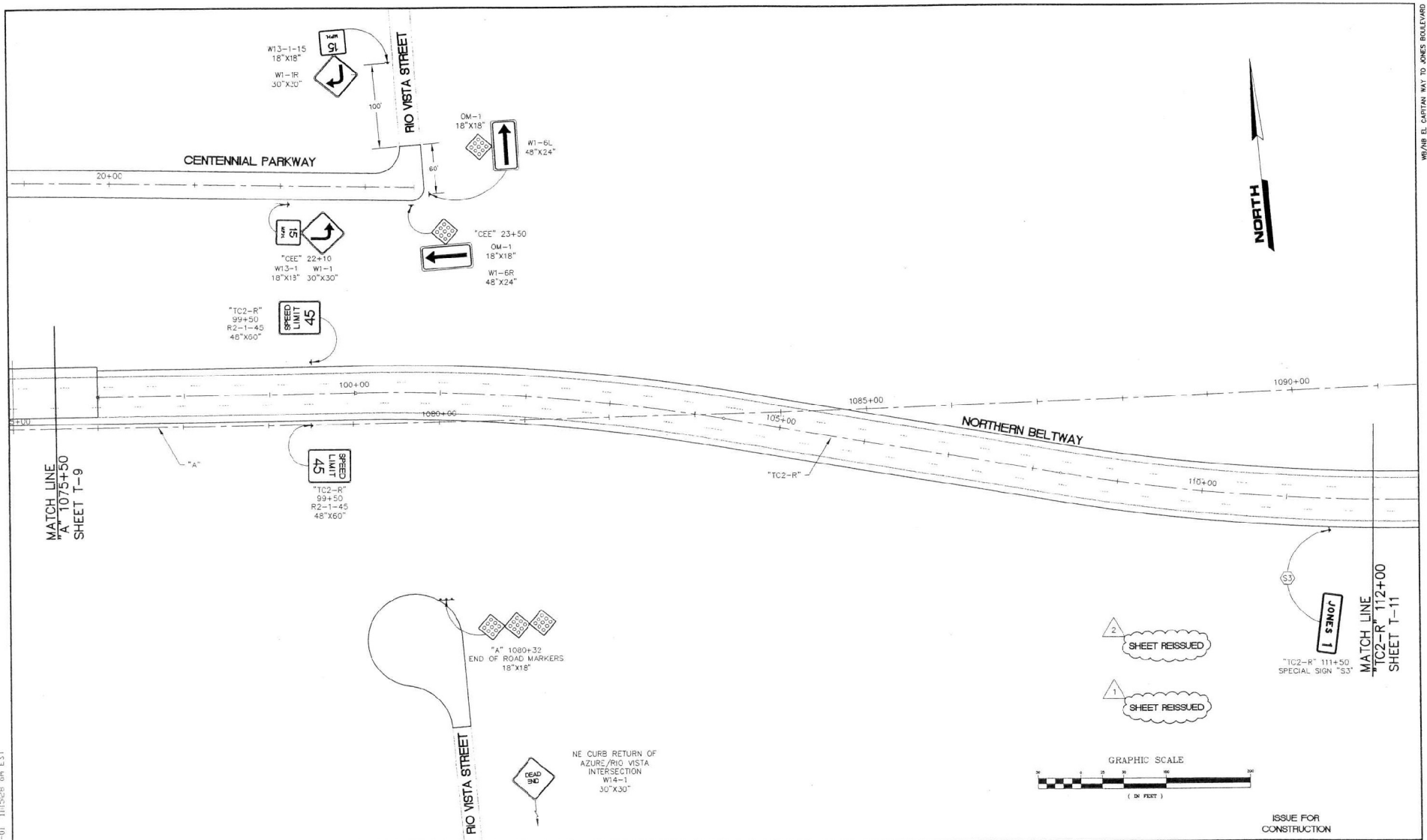
**WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES**  
**"A" 1060+00 TO "A" 1075+50**  
 CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS



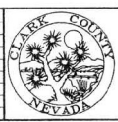
|                                                                                                                                               |                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| PROJECT NO: PTG 543558                                                                                                                        | DRAWN BY: KFN   |
| DESIGNED BY: KFN                                                                                                                              | CHECKED BY: ESM |
| APPROVED BY: JSP                                                                                                                              |                 |
| <b>PARSONS TRANSPORTATION GROUP</b><br>1400 GRIFFIN DRIVE, SUITE 340<br>LAS VEGAS, NEVADA 89118<br>PHONE (702) 435-2116<br>FAX (702) 435-2412 |                 |

|                        |             |
|------------------------|-------------|
| ISSUE FOR CONSTRUCTION |             |
| SCALE                  | L-1631      |
| HORIZ: 1"=50'          | DRAWING NO. |
| VERT: N/A              | T-9         |
| FIELD BOOK             | SHT. OF     |

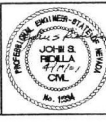
WB/NB EL CAPITAN WAY TO JONES BOULEVARD



| REV NO | DATE     | DESCRIPTION                | APPROVED |
|--------|----------|----------------------------|----------|
| 1      | 4/19/01  | INITIAL BELTWAY DEPRESSION | JSR      |
| 2      | 10/31/00 | ADDENDUM NO. 2             | JSR      |



**WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES**  
**PERMANENT SIGNING PLAN**  
**"A" 1075+50 to "TC2-R" 112+00**  
CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS

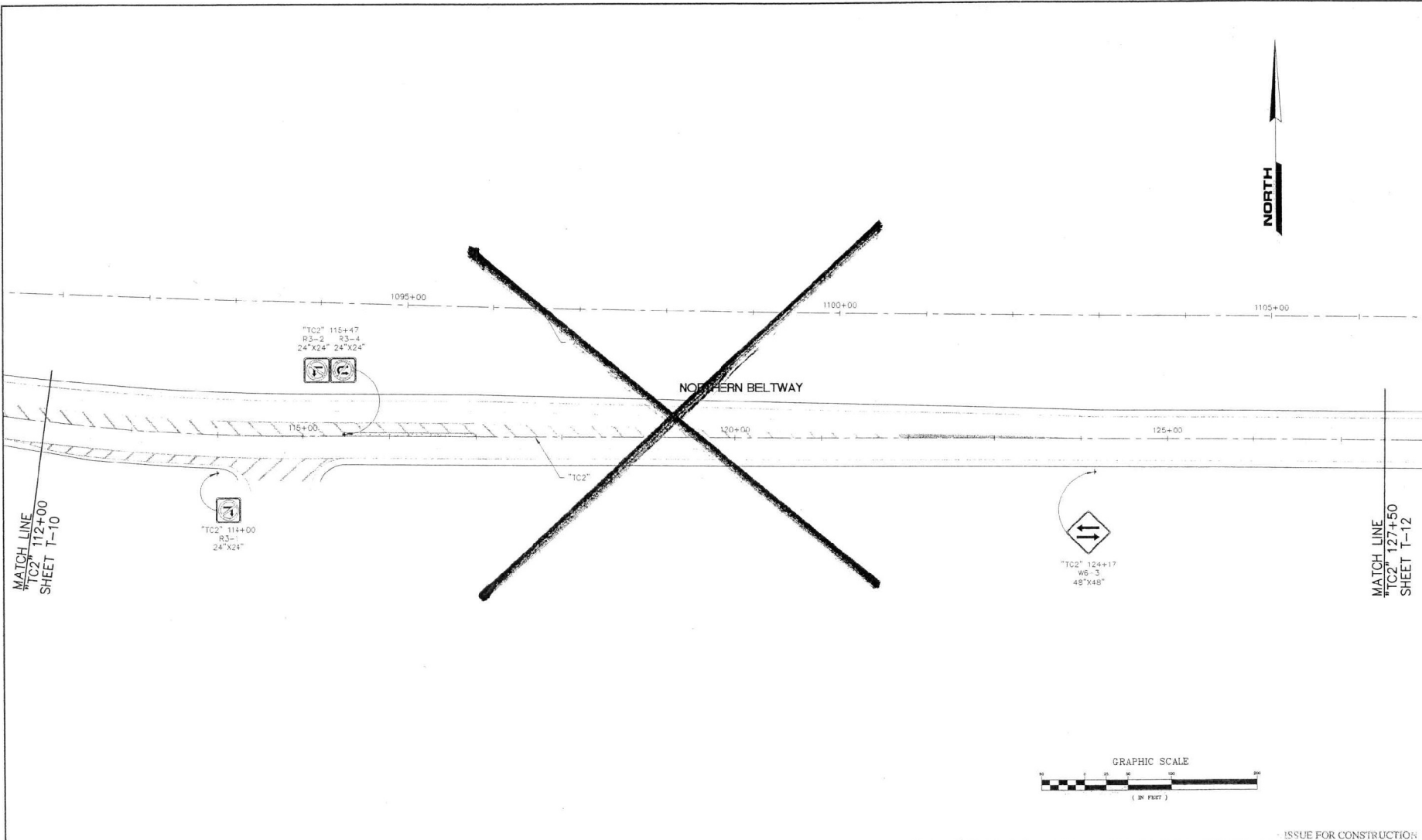


|                                                                                                     |            |             |     |
|-----------------------------------------------------------------------------------------------------|------------|-------------|-----|
| PROJECT No:                                                                                         | PTD 643556 | DRAWN BY:   | KTN |
| DESIGNED BY:                                                                                        | KTN        | CHECKED BY: | RSM |
| APPROVED BY:                                                                                        | JSR        |             |     |
| <b>PARSONS TRANSPORTATION GROUP</b><br>LAS VEGAS, NEVADA                                            |            |             |     |
| 840 ORRER DRIVE, SUITE 540<br>LAS VEGAS, NEVADA 89119<br>PHONE (702) 438-2116<br>FAX (702) 438-8412 |            |             |     |

| ISSUE FOR CONSTRUCTION |             |
|------------------------|-------------|
| SCALE                  | L-1631      |
| HORIZ 1"=50'           | DRAWING NO. |
| VERT: N/A              | T-10        |
| FIELD BOOK             | SHT. OF     |

558-T10\_P.dwg 4-19-01 11:52:08 am EST



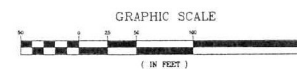


|                                                                                                                                                                   |  |  |                                                                |  |                                                                                                     |  |                                     |  |                                           |  |
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| WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES<br>PERMANENT SIGNING PLAN<br>"TC2" 112+00 to "TC2" 127+50<br>CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS |  |  | PROJECT NO: PTO 643558<br>DESIGNED BY: KFN<br>APPROVED BY: JSR |  | DRAWN BY: KFN<br>CHECKED BY: RSM                                                                    |  | SCALE<br>HORIZ: 1"=50'<br>VERT: N/A |  | L-1631<br>DRAWING NO.<br>T-11<br>SHEET OF |  |
| CLARK COUNTY, NEVADA                                                                                                                                              |  |  | PARSONS TRANSPORTATION GROUP<br>LAS VEGAS, NEVADA              |  | 840 GRIER DRIVE, SUITE 240<br>LAS VEGAS, NEVADA 89119<br>PHONE (702) 435-2116<br>FAX (702) 435-9412 |  | FIELD BOOK                          |  | ISSUE FOR CONSTRUCTION                    |  |

11/20/11 JAW 9:42:00 0:10:10 9:42:11

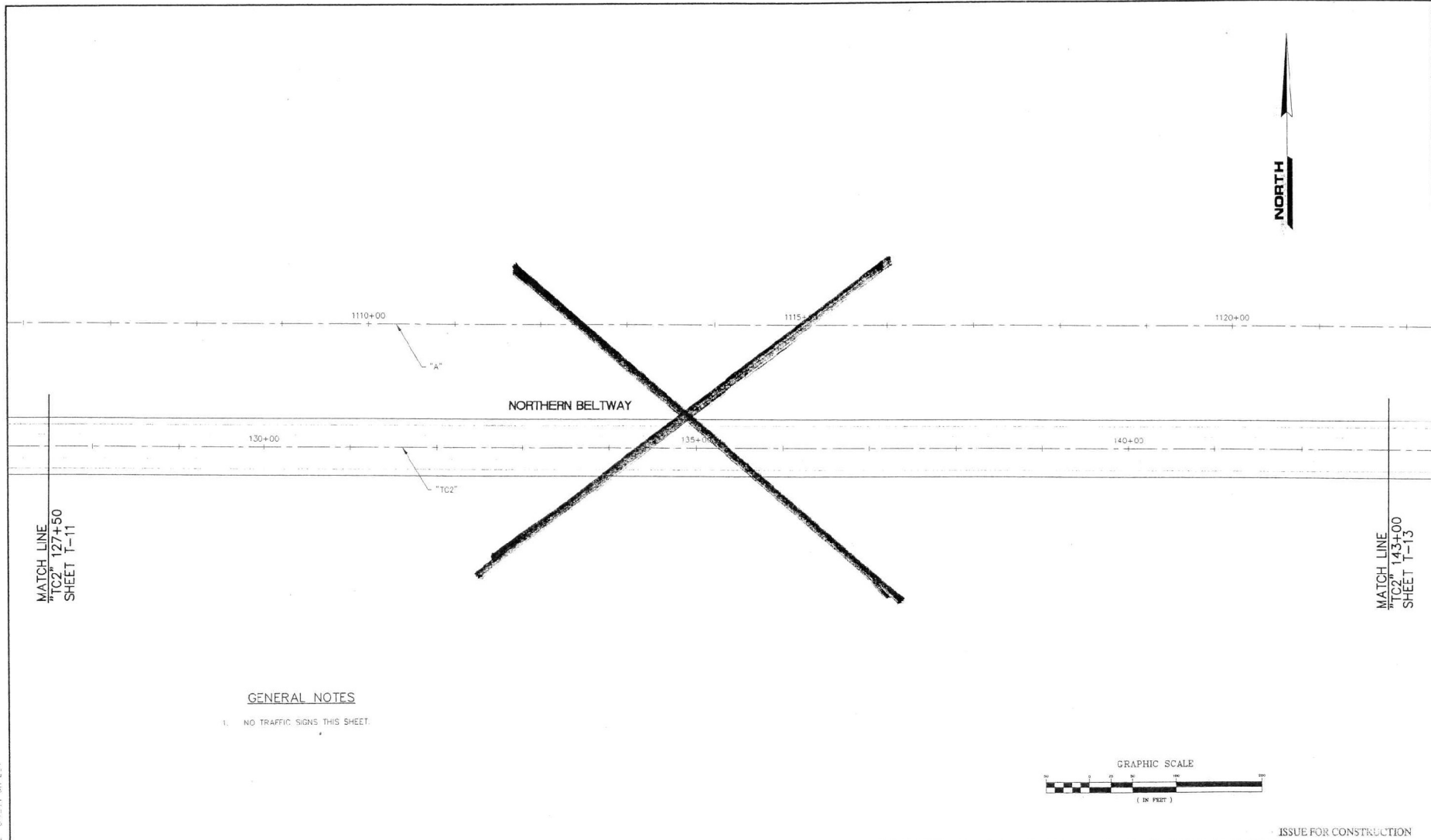
WB/NB EL CAPITAN WAY TO JONES BOULEVARD





ISSUE FOR  
CONSTRUCTION

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**GENERAL NOTES**

1. NO TRAFFIC SIGNS THIS SHEET.

| REV. NO. | DATE | DESCRIPTION | APPROVED |
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|          |      |             |          |
|          |      |             |          |
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**WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES**  
**PERMANENT SIGNING PLAN**  
**"TC2" 127+50 to "TC2" 143+00**  
**CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS**



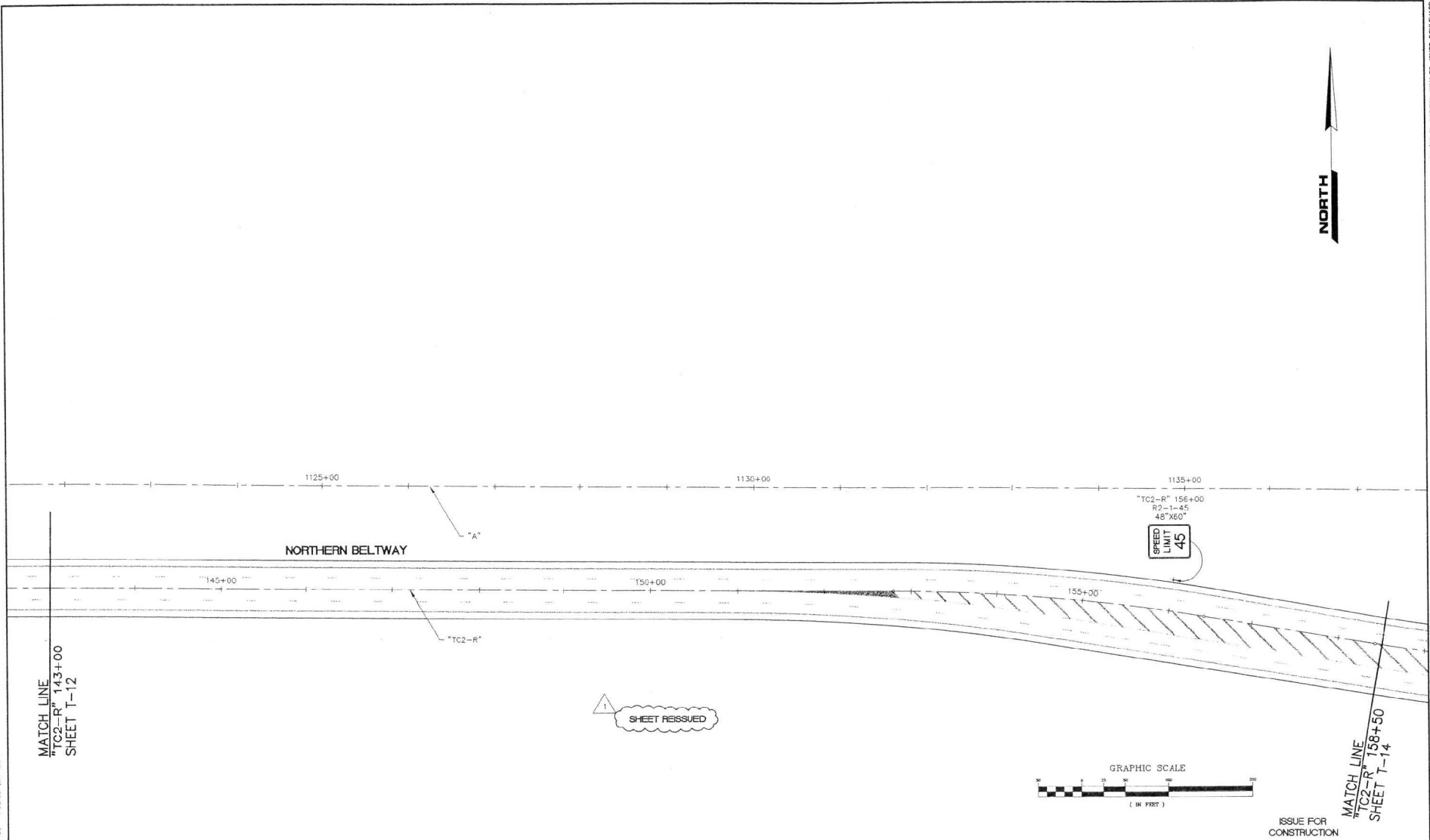
PROJECT NO: PTO 643558 DRAWN BY: KFN  
 DESIGNED BY: KFN CHECKED BY: RDM  
 APPROVED BY: JSM

**PARSONS TRANSPORTATION GROUP**  
 840 ORRER DRIVE, SUITE 240  
 LAS VEGAS, NEVADA 89119  
 PHONE (702) 432-2016  
 FAX (702) 432-2412

|               |                        |
|---------------|------------------------|
| SCALE         | ISSUE FOR CONSTRUCTION |
| HORIZ: 1"=50' | L-1631                 |
| VERT: N/A     | DRAWING NO.            |
| FIELD BOOK    | T-12                   |
| SHT. OF       |                        |

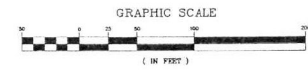
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WE/NE EL CAPITAN WAY TO JONES BOULEVARD



MATCH LINE  
"TC2-R" 143+00  
SHEET T-12

MATCH LINE  
"TC2-R" 158+50  
SHEET T-14

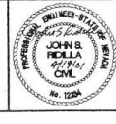


ISSUE FOR  
CONSTRUCTION

| REV. NO. | DATE   | DESCRIPTION                | APPROVED |
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| 1        | 4/9/01 | INITIAL BELTWAY DEPRESSION | JSR      |

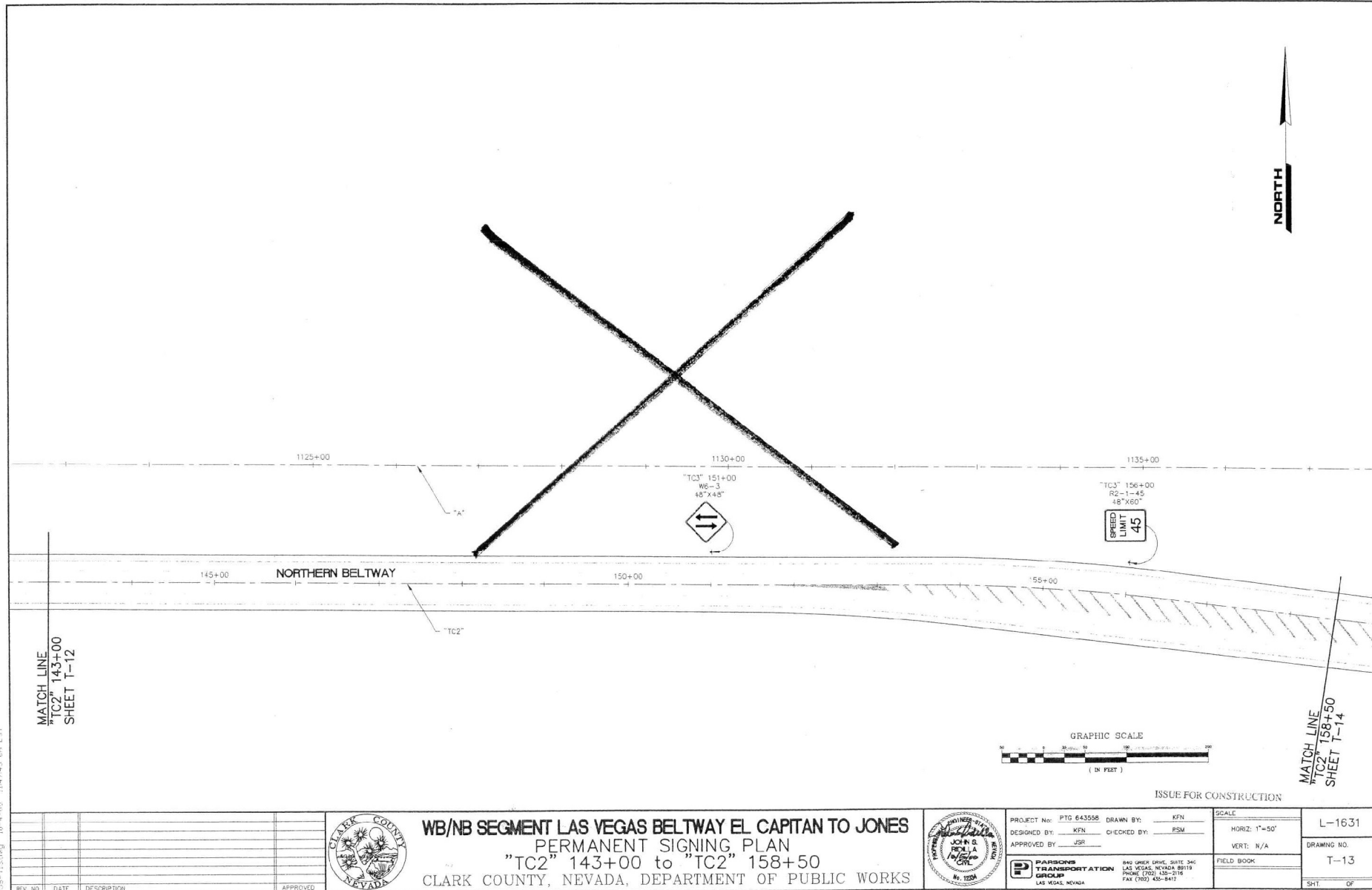


**WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES**  
**PERMANENT SIGNING PLAN**  
**"TC2-R" 143+00 to "TC2-R" 158+50**  
**CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS**



|                                                                                                     |            |             |     |
|-----------------------------------------------------------------------------------------------------|------------|-------------|-----|
| PROJECT No:                                                                                         | PTC 643558 | DRAWN BY:   | KFN |
| DESIGNED BY:                                                                                        | KFN        | CHECKED BY: | RSM |
| APPROVED BY:                                                                                        | JSR        |             |     |
| <b>PARSONS TRANSPORTATION GROUP</b><br>LAS VEGAS, NEVADA                                            |            |             |     |
| 840 GRIER DRIVE, SUITE 240<br>LAS VEGAS, NEVADA 89119<br>PHONE (702) 435-2118<br>FAX (702) 435-8412 |            |             |     |

|               |             |
|---------------|-------------|
| SCALE         | L-1631      |
| HORIZ: 1"=50' | DRAWING NO. |
| VERT: N/A     | T-13        |
| FIELD BOOK    | SHT. OF     |



225-113500 10'x4'00 11'x7'45 on ECT

| REV. NO. | DATE | DESCRIPTION | APPROVED |
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**WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES**  
**PERMANENT SIGNING PLAN**  
**"TC2" 143+00 to "TC2" 158+50**  
**CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS**



PROJECT NO: PTD 643598 DRAWN BY: KFN  
 DESIGNED BY: KFN CHECKED BY: PSM  
 APPROVED BY: JSM  
**PARSONS TRANSPORTATION GROUP**  
 840 GREY DRIVE, SUITE 340  
 LAS VEGAS, NEVADA 89119  
 PHONE (702) 435-2516  
 FAX (702) 435-8417

| SCALE         | FIELD BOOK | SHR | OF |
|---------------|------------|-----|----|
| HORIZ: 1"=50' |            |     |    |
| VERT: N/A     |            |     |    |
|               |            |     |    |
|               |            |     |    |

MATCH LINE  
 "TC2" 158+50  
 SHEET T-14

NORTH



ISSUE FOR CONSTRUCTION

L-1631

DRAWING NO.

T-13

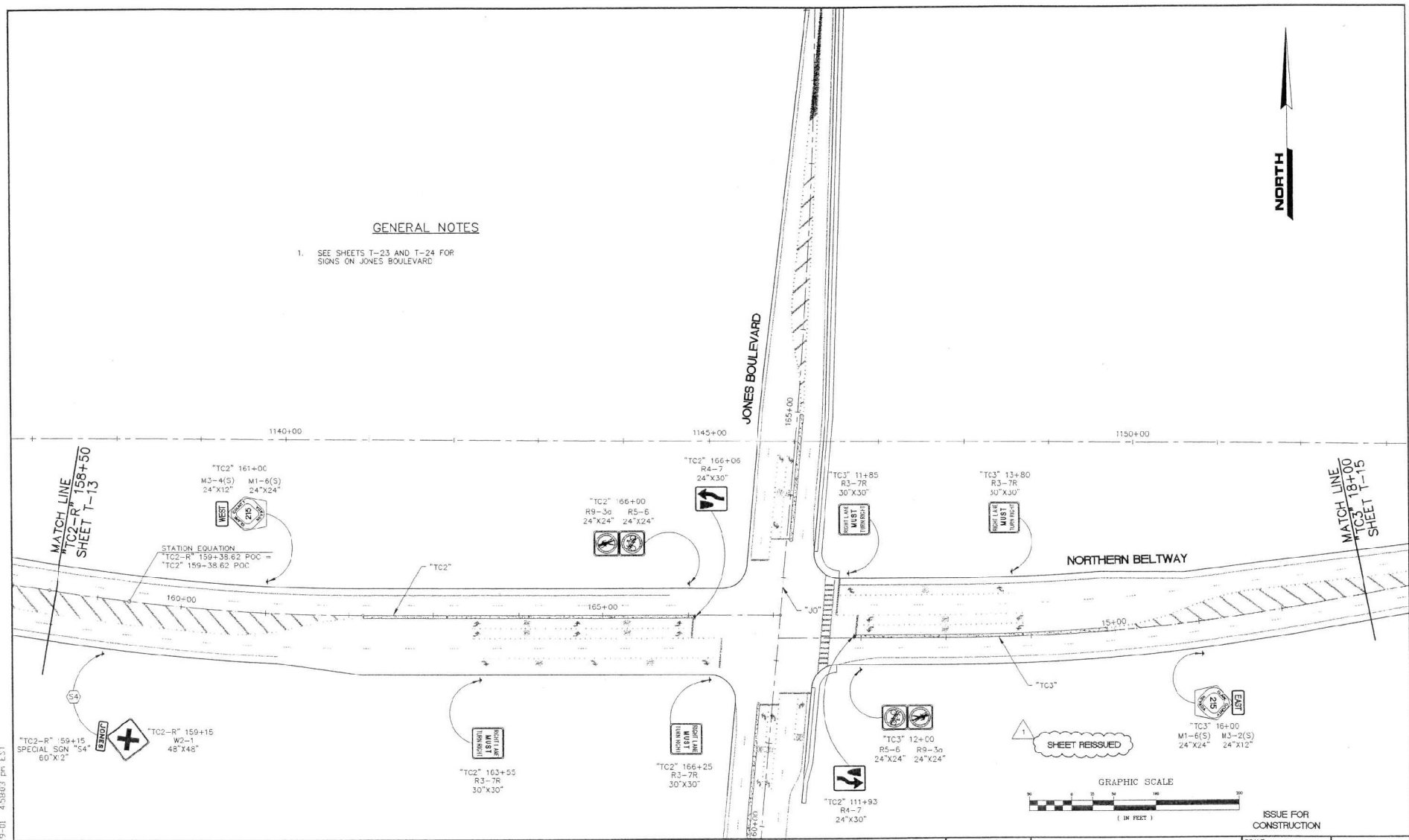
SHR OF

WE/NB EL CAPITAN WAY TO JONES BOULEVARD



### GENERAL NOTES

1. SEE SHEETS T-23 AND T-24 FOR SIGNS ON JONES BOULEVARD



558-T14\_P.dwg 4-19-01 4:59:03 PM EST

| REV. NO. | DATE    | DESCRIPTION                | APPROVED |
|----------|---------|----------------------------|----------|
| 1        | 4/19/01 | INITIAL BELTWAY DEPRESSION | JSR      |



WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES  
PERMANENT SIGNING PLAN  
"TC2-R" 158+50 to "TC3" 18+00  
CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS

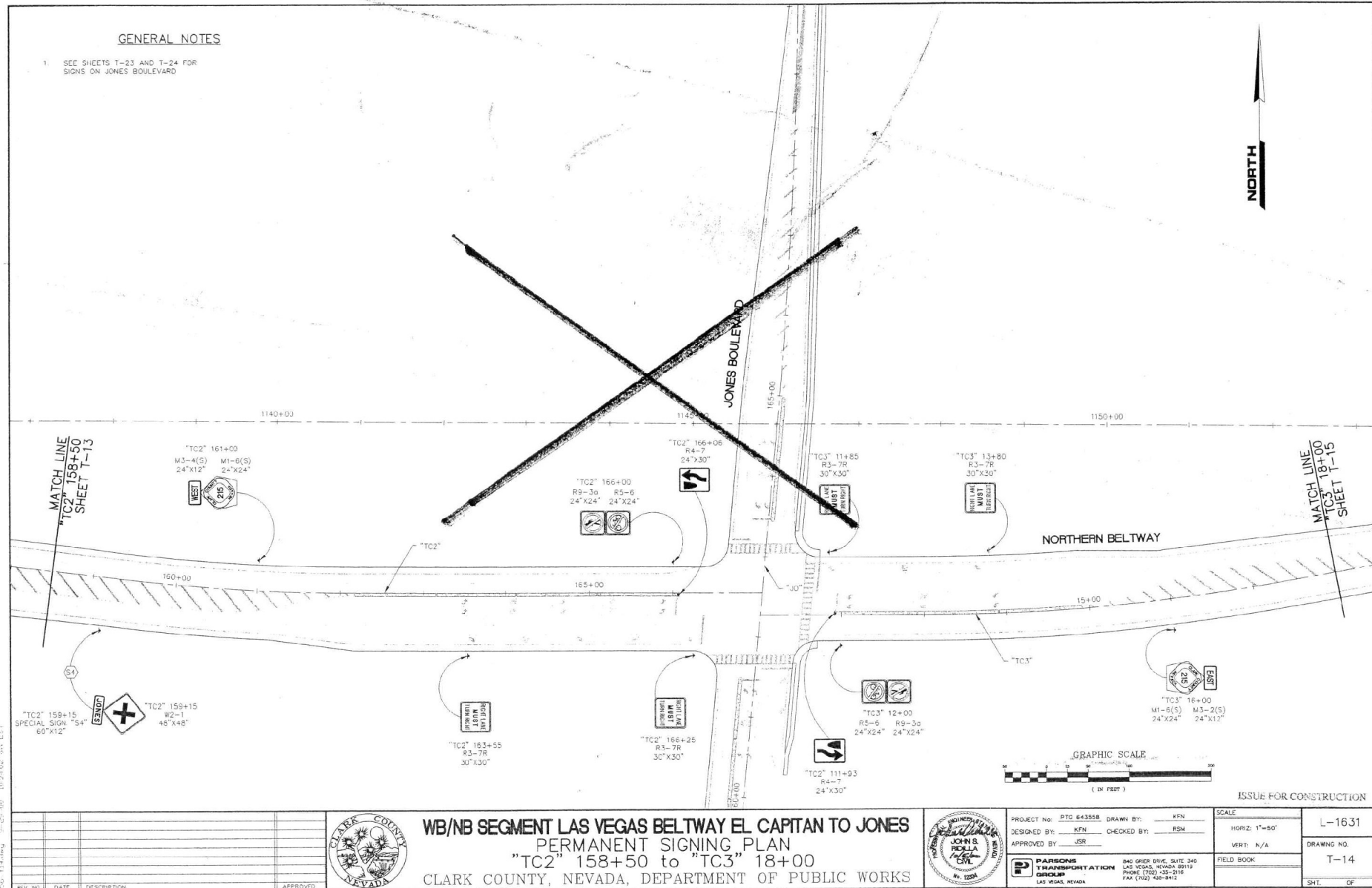


|                                                                                                     |                 |
|-----------------------------------------------------------------------------------------------------|-----------------|
| PROJECT No: PTD 643558                                                                              | DRAWN BY: KFN   |
| DESIGNED BY: KFN                                                                                    | CHECKED BY: RSM |
| APPROVED BY: JSR                                                                                    |                 |
| PARSONS TRANSPORTATION GROUP<br>LAS VEGAS, NEVADA                                                   |                 |
| 840 ORRER DRIVE, SUITE 304<br>LAS VEGAS, NEVADA 89119<br>PHONE (702) 435-2116<br>FAX (702) 435-0412 |                 |

|               |             |
|---------------|-------------|
| SCALE         | L-1631      |
| HORIZ: 1"=50' | DRAWING NO. |
| VERT: N/A     | T-14        |
| FIELD BOOK    | SHT. OF     |

# GENERAL NOTES

1. SEE SHEETS T-23 AND T-24 FOR SIGNS ON JONES BOULEVARD



306 T-14-11 3-25-00 10:21:02 AM EST

| REV | NO | DATE | DESCRIPTION | APPROVED |
|-----|----|------|-------------|----------|
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**WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES**  
**PERMANENT SIGNING PLAN**  
**"TC2" 158+50 TO "TC3" 18+00**  
 CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS



PROJECT NO: JPTG 643558 DRAWN BY: KFN  
 DESIGNED BY: KFN CHECKED BY: RSM  
 APPROVED BY: JSR

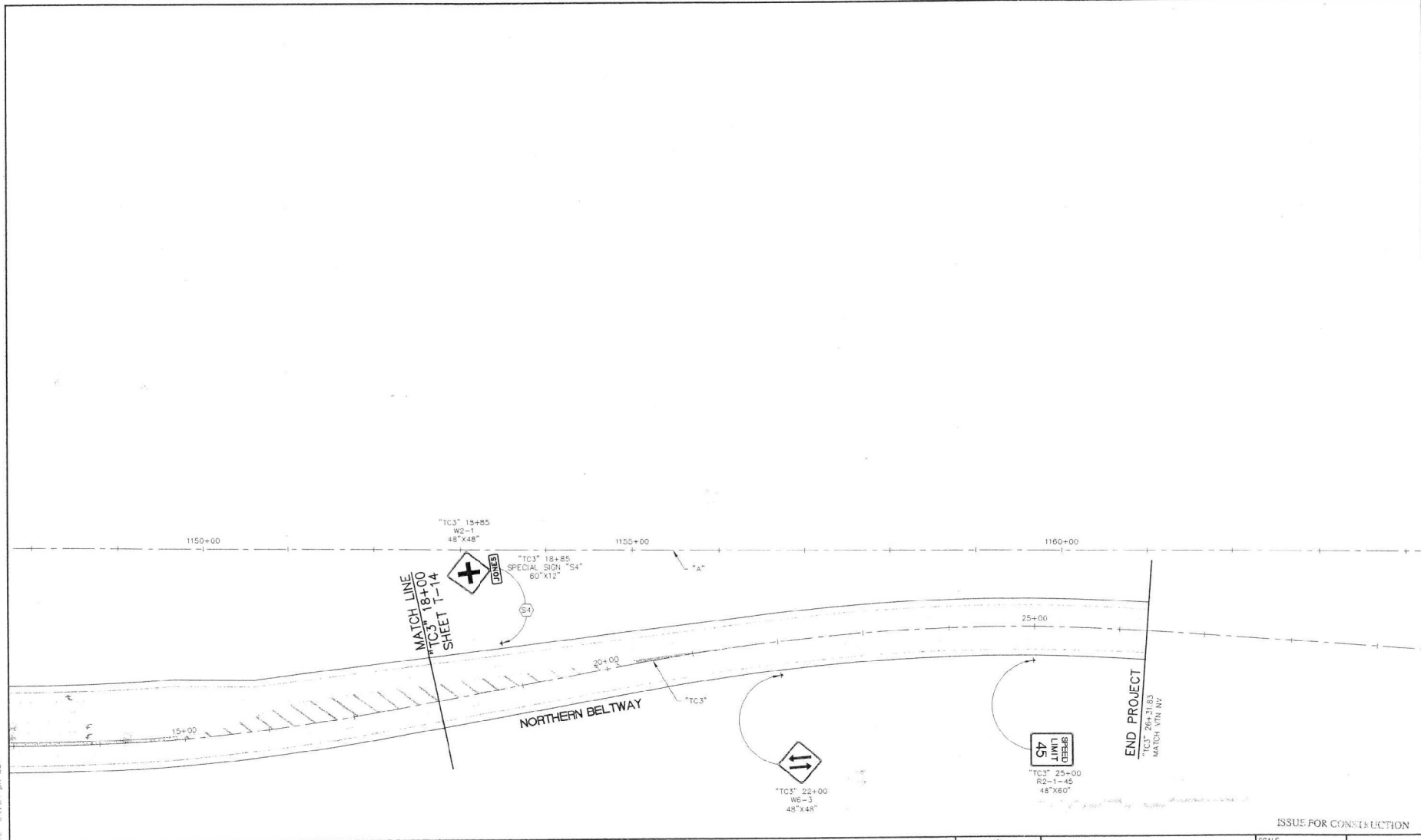
**PARSONS TRANSPORTATION GROUP**  
 LAS VEGAS, NEVADA

840 ORRER DRIVE, SUITE 340  
 LAS VEGAS, NEVADA 89119  
 PHONE (702) 432-2116  
 FAX (702) 432-9412

|               |             |
|---------------|-------------|
| SCALE         | L-1631      |
| HORIZ: 1"=50' | DRAWING NO. |
| VERT: N/A     | T-14        |
| FIELD BOOK    | SHT. OF     |

ISSUE FOR CONSTRUCTION

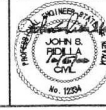
WB/NB EL CAPITAN WAY TO JONES BOULEVARD



| REV. NO. | DATE | DESCRIPTION | APPROVED |
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**WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES**  
**PERMANENT SIGNING PLAN**  
**"TC3" 18+00 to "TC3" 26+31.83**  
 CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS

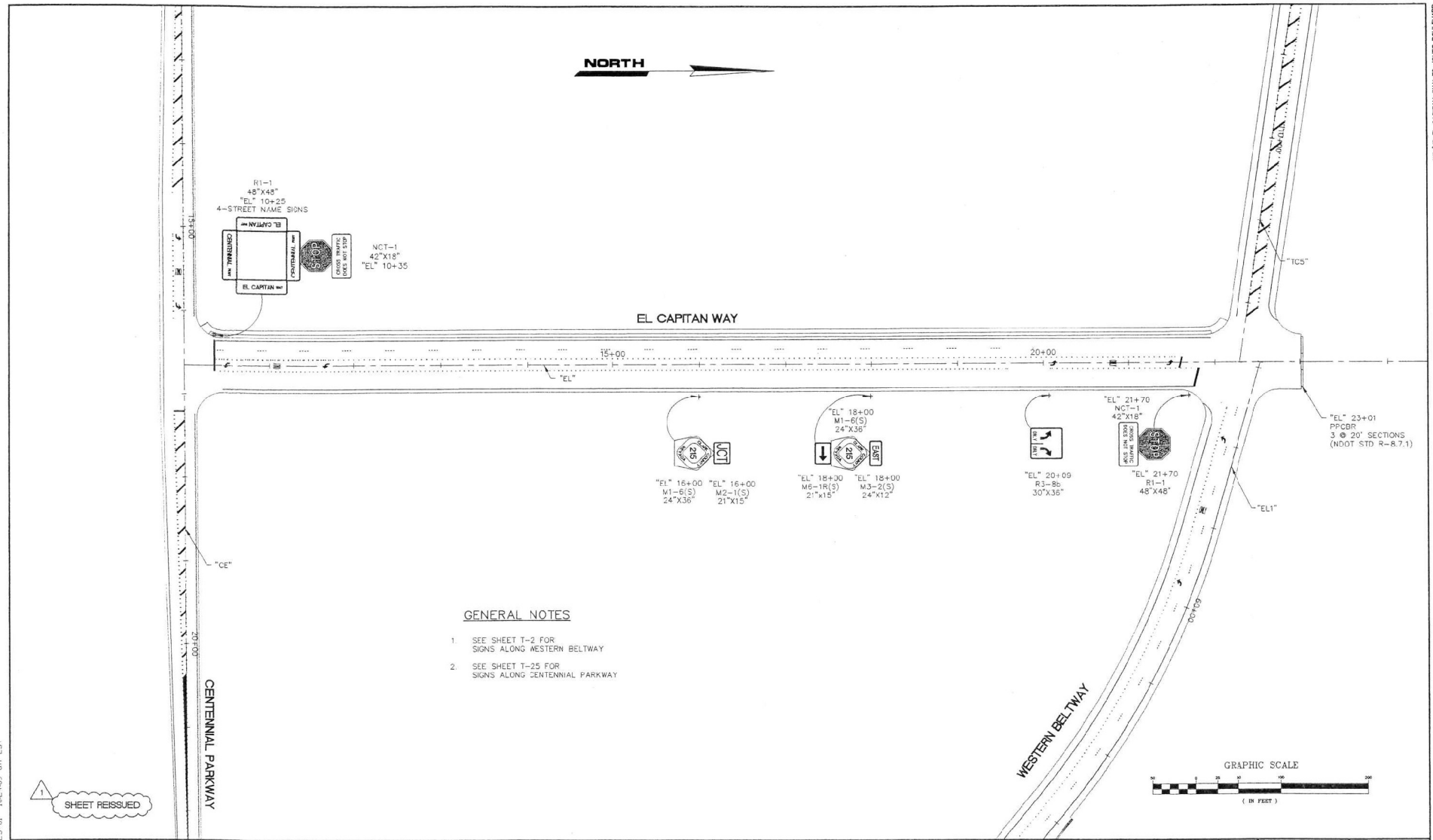


PROJECT NO: PTD 643558  
 DESIGNED BY: KFN  
 CHECKED BY: RSM  
 APPROVED BY: JSM

**PARSONS TRANSPORTATION GROUP**  
 840 ORRER DRIVE, SUITE 340  
 LAS VEGAS, NEVADA 89119  
 PHONE (702) 455-2519  
 FAX (702) 455-8412

|               |                        |
|---------------|------------------------|
| SCALE         | ISSUE FOR CONSTRUCTION |
| HORIZ: 1"=50' | L-1631                 |
| VERT: N/A     | DRAWING NO.            |
| FIELD BOOK    | T-15                   |
|               | SHEET OF               |





**GENERAL NOTES**

1. SEE SHEET T-2 FOR SIGNS ALONG WESTERN BELTWAY
2. SEE SHEET T-25 FOR SIGNS ALONG CENTENNIAL PARKWAY

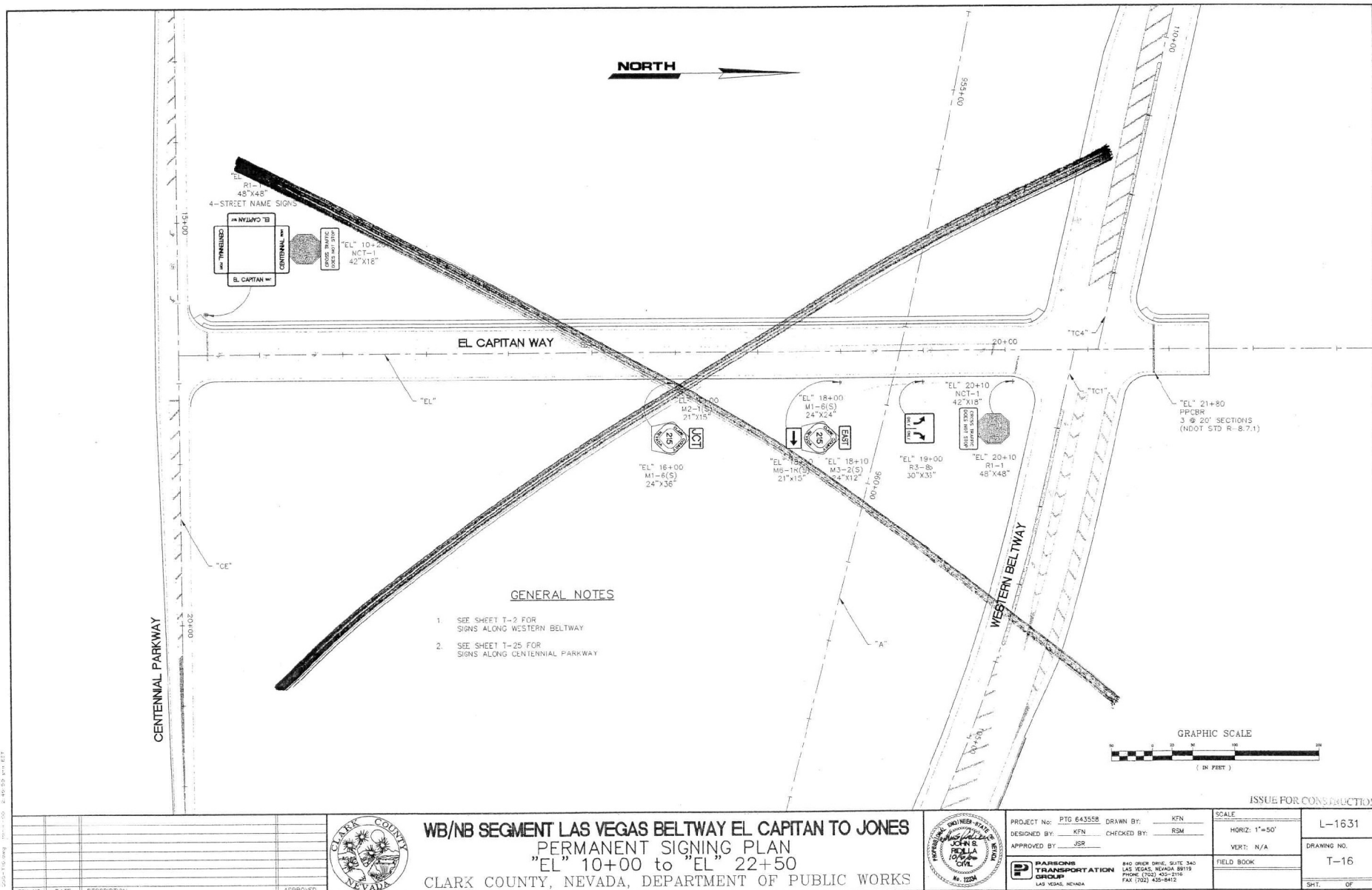
| REV. NO. | DATE    | DESCRIPTION                   | APPROVED |
|----------|---------|-------------------------------|----------|
| 1        | 2/11/01 | REVISIONS DURING CONSTRUCTION |          |



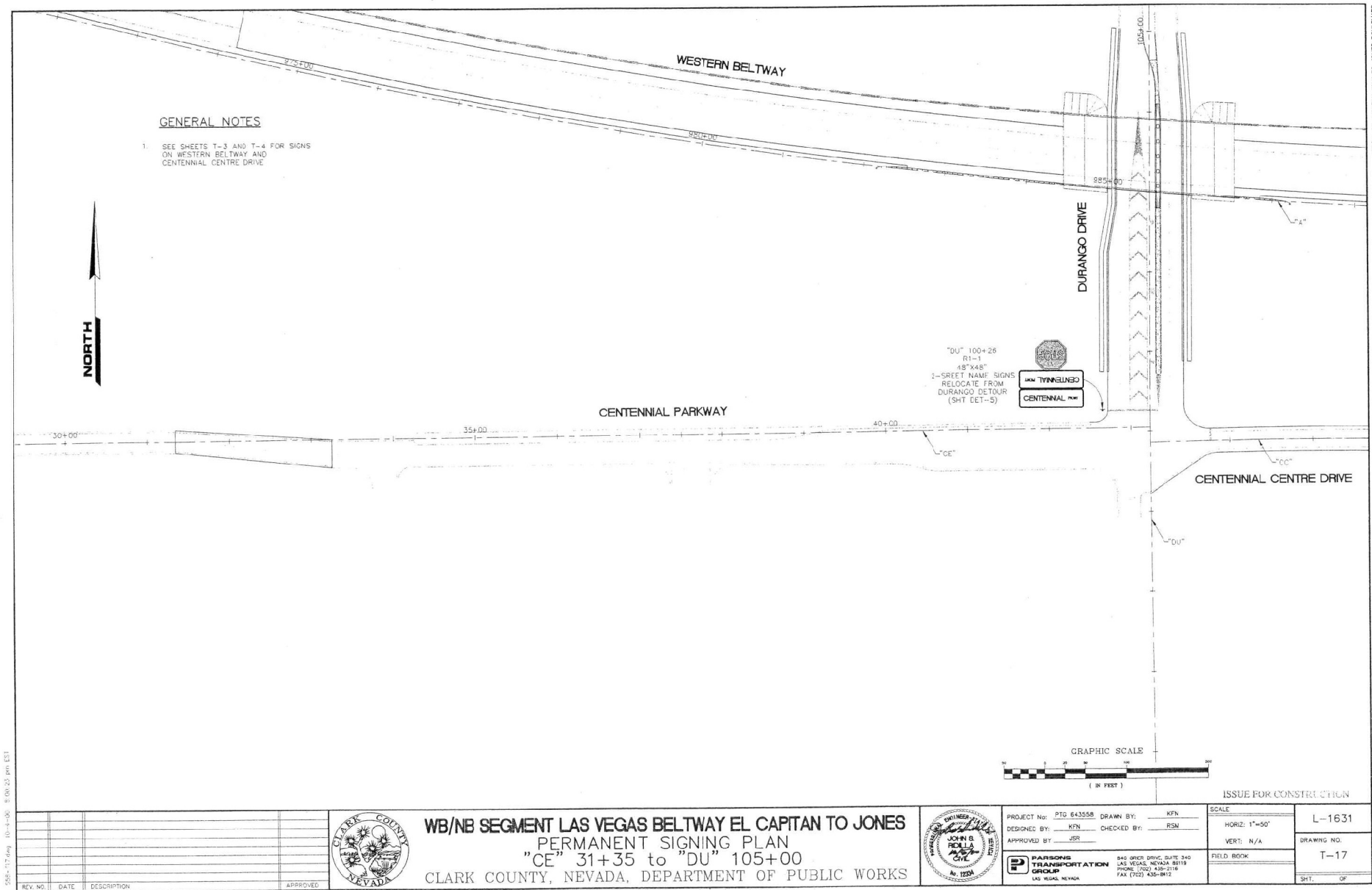
**WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES**  
**PERMANENT SIGNING PLAN**  
**"EL" 10+00 TO "EL" 24+00**  
CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS

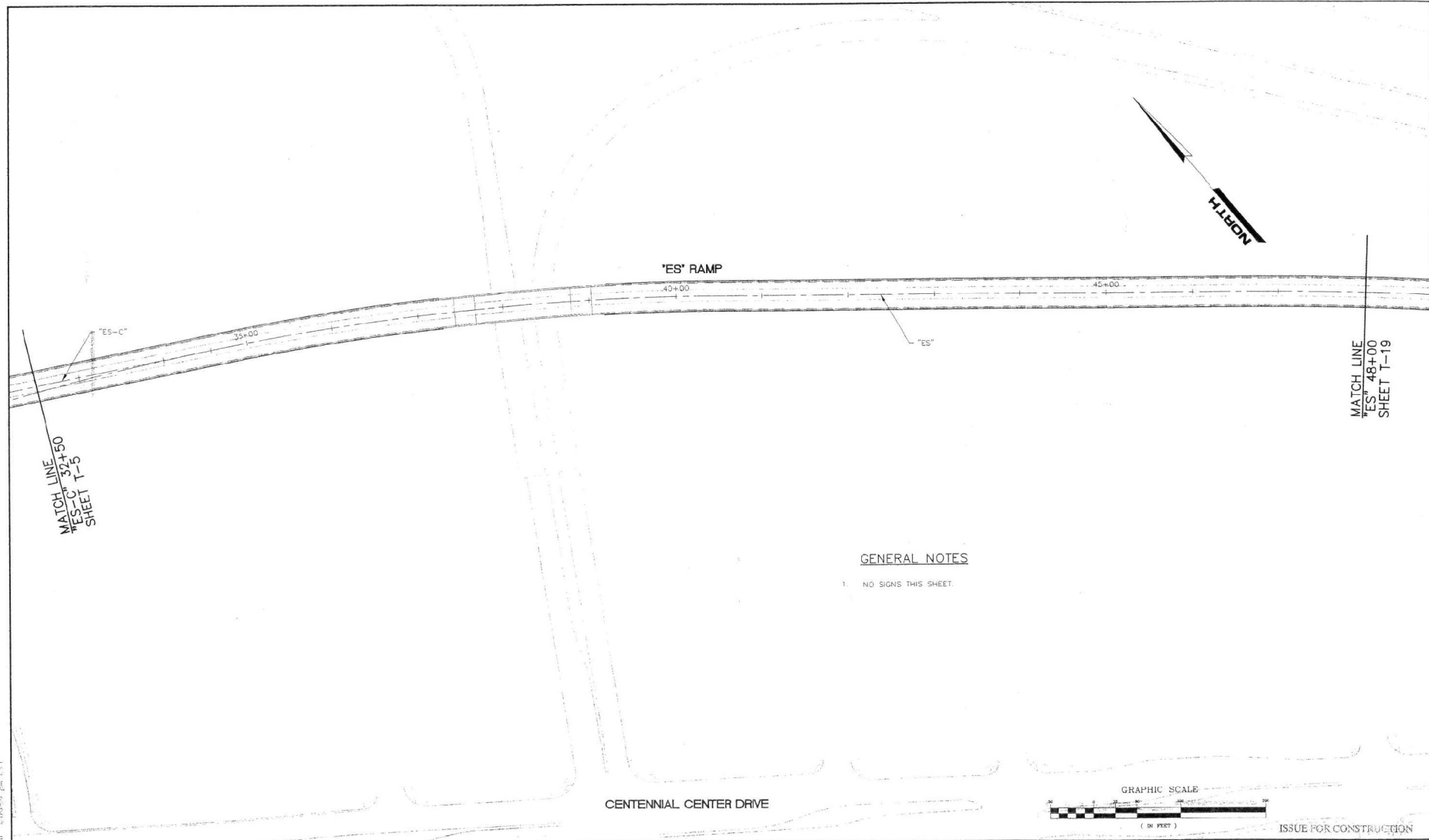


|                                                   |                 |               |             |
|---------------------------------------------------|-----------------|---------------|-------------|
| PROJECT No: PTD 643558                            | DRAWN BY: KFN   | SCALE         | L-1631      |
| DESIGNED BY: KFN                                  | CHECKED BY: RSM | HORIZ: 1"=50' | DRAWING NO. |
| APPROVED BY: JSR                                  |                 | VERT: N/A     | T-16        |
| PARSONS TRANSPORTATION GROUP<br>LAS VEGAS, NEVADA |                 | FIELD BOOK    | SHT. OF     |



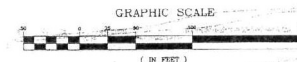
WB/NB EL CAPITAN WAY TO JONES BOULEVARD





# GENERAL NOTES

1. NO SIGNS THIS SHEET.

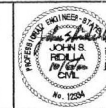


ISSUE FOR CONSTRUCTION

| REV NO. | DATE | DESCRIPTION | APPROVED |
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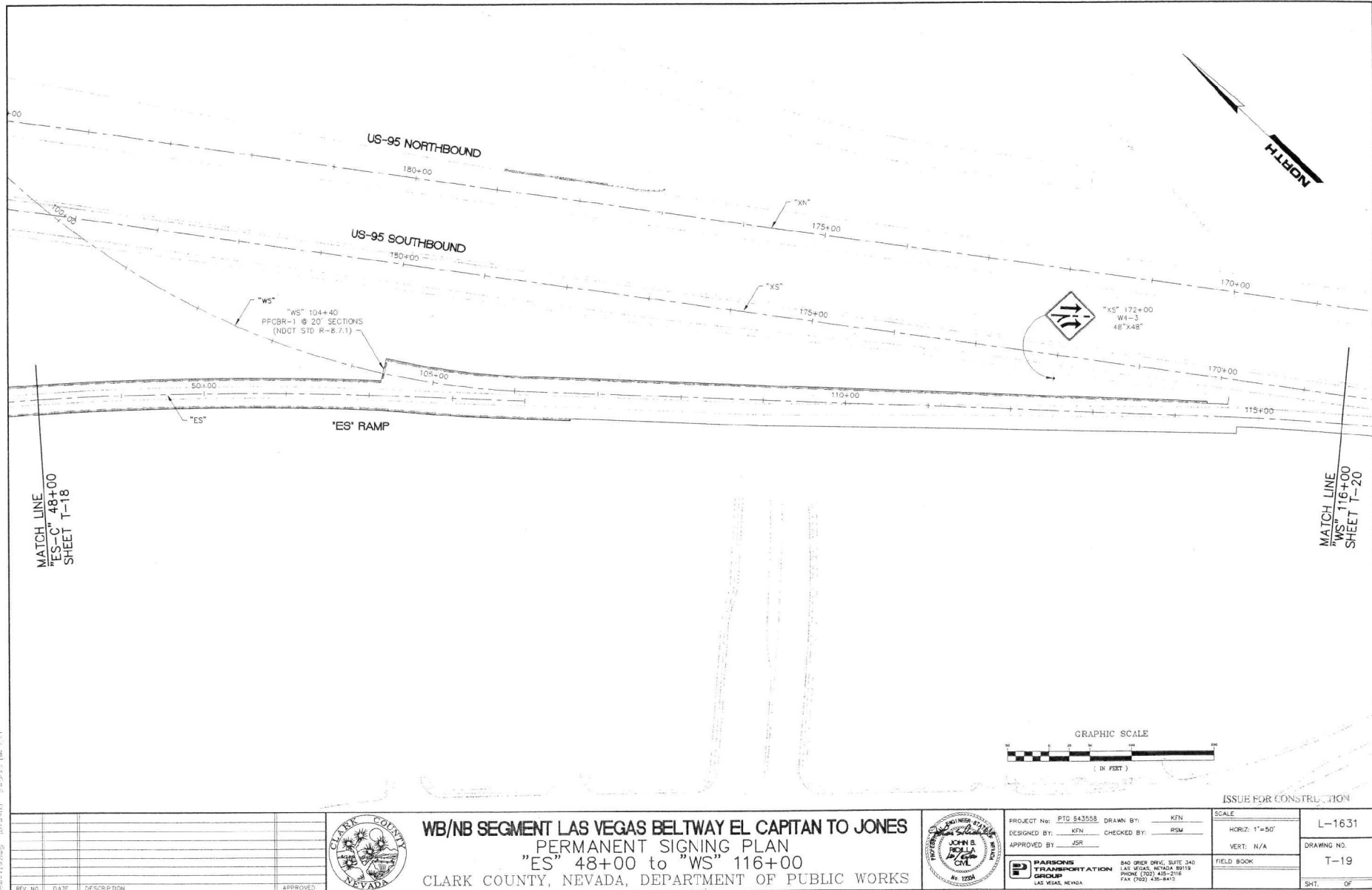
**WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES**  
**PERMANENT SIGNING PLAN**  
**"ES-C" 32+50 to "ES" 48+00**  
 CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS



|                                                                                                                                            |                 |                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------|
| PROJECT NO: PTO 643558                                                                                                                     | DRAWN BY: KFN   | SCALE: L-1631                              |
| DESIGNED BY: KFN                                                                                                                           | CHECKED BY: TSM | HORIZ: 1"=50'                              |
| APPROVED BY: JSR                                                                                                                           |                 | VERT: N/A                                  |
| <b>PARSONS TRANSPORTATION GROUP</b><br>840 ORLER DRIVE, SUITE 540<br>LAS VEGAS, NEVADA 89118<br>PHONE (702) 435-2116<br>FAX (702) 435-8412 |                 | FIELD BOOK<br>DRAWING NO. T-18<br>SHEET OF |

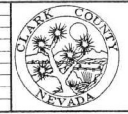
559-116.dwg 10.10.00 2:09:59 pm CST

W/ND EL CAPITAN WAY TO JONES BOULEVARD

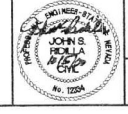




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| REV NO | DATE | DESCRIPTION | APPROVED |
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WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES  
PERMANENT SIGNING PLAN  
"WS" 116+00 to "WS" 130+50  
CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS



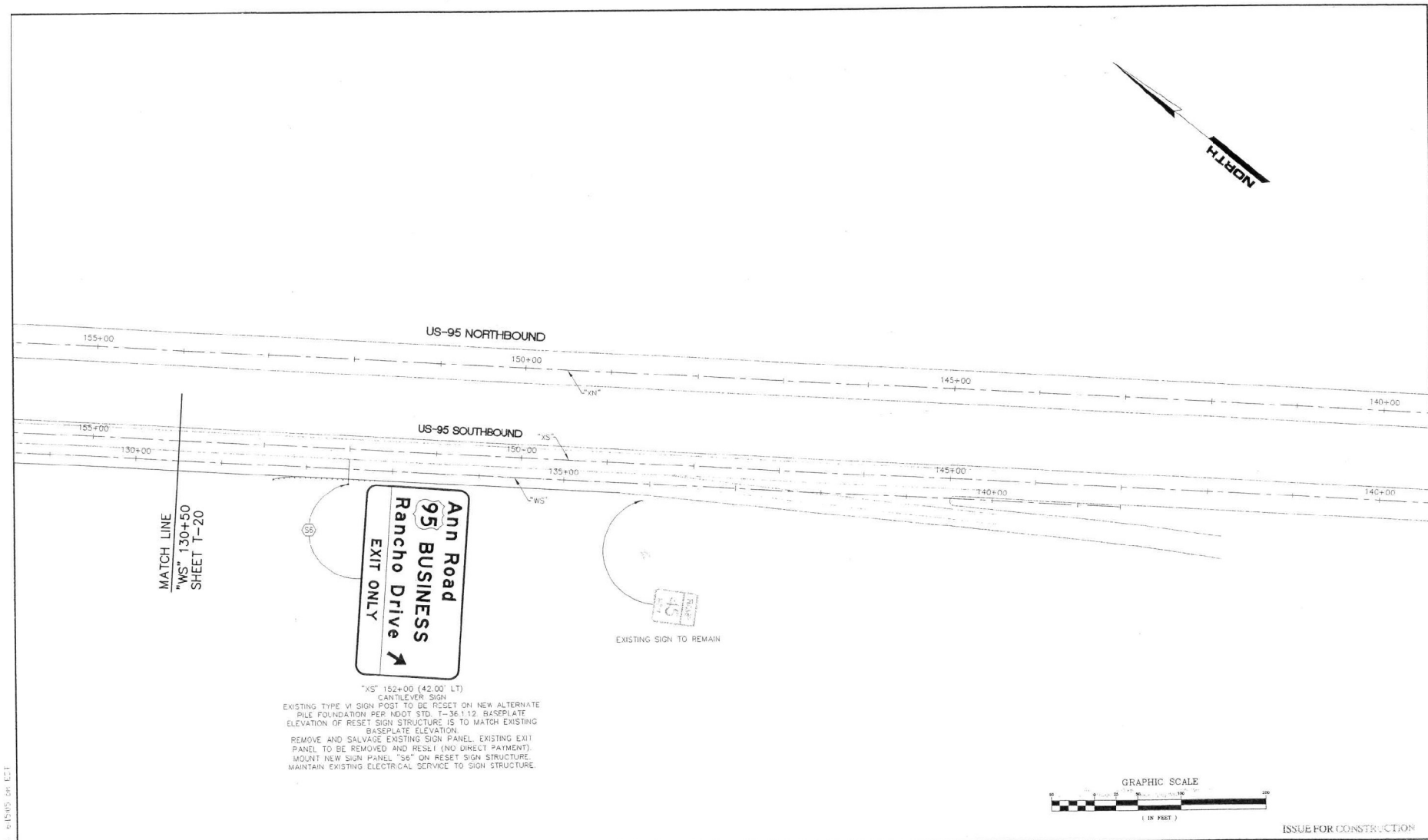
PROJECT NO: PTC 643558 DRAWN BY: KFN  
DESIGNED BY: KFN CHECKED BY: RSM  
APPROVED BY: JSR

---

 **PARSONS  
TRANSPORTATION  
GROUP**  
LAS VEGAS, NEVADA

B40 GREER DRIVE, SUITE 340  
LAS VEGAS, NEVADA 89119  
PHONE (702) 435-2016  
FAX (702) 435-8412

|               |  |             |
|---------------|--|-------------|
| SCALE         |  | L-1631      |
| HORIZ: 1"=50' |  |             |
| VERT: N/A     |  | DRAWING NO. |
| FIELD BOOK    |  | T-20        |
|               |  | SHT OF      |



"XS" 152+00 (42.00' LT)  
CANTILEVER SIGN  
EXISTING TYPE VI SIGN POST TO BE RESET ON NEW ALTERNATE  
PILE FOUNDATION PER NDOT STD. T-36.112. BASEPLATE  
ELEVATION OF RESET SIGN STRUCTURE IS TO MATCH EXISTING  
BASEPLATE ELEVATION.  
REMOVE AND SALVAGE EXISTING SIGN PANEL. EXISTING EXIT  
PANEL TO BE REMOVED AND RESET (NO DIRECT PAYMENT).  
MOUNT NEW SIGN PANEL "S6" ON RESET SIGN STRUCTURE.  
MAINTAIN EXISTING ELECTRICAL SERVICE TO SIGN STRUCTURE.

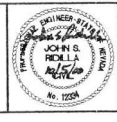


ISSUE FOR CONSTRUCTION

| REV. NO. | DATE | DESCRIPTION | APPROVED |
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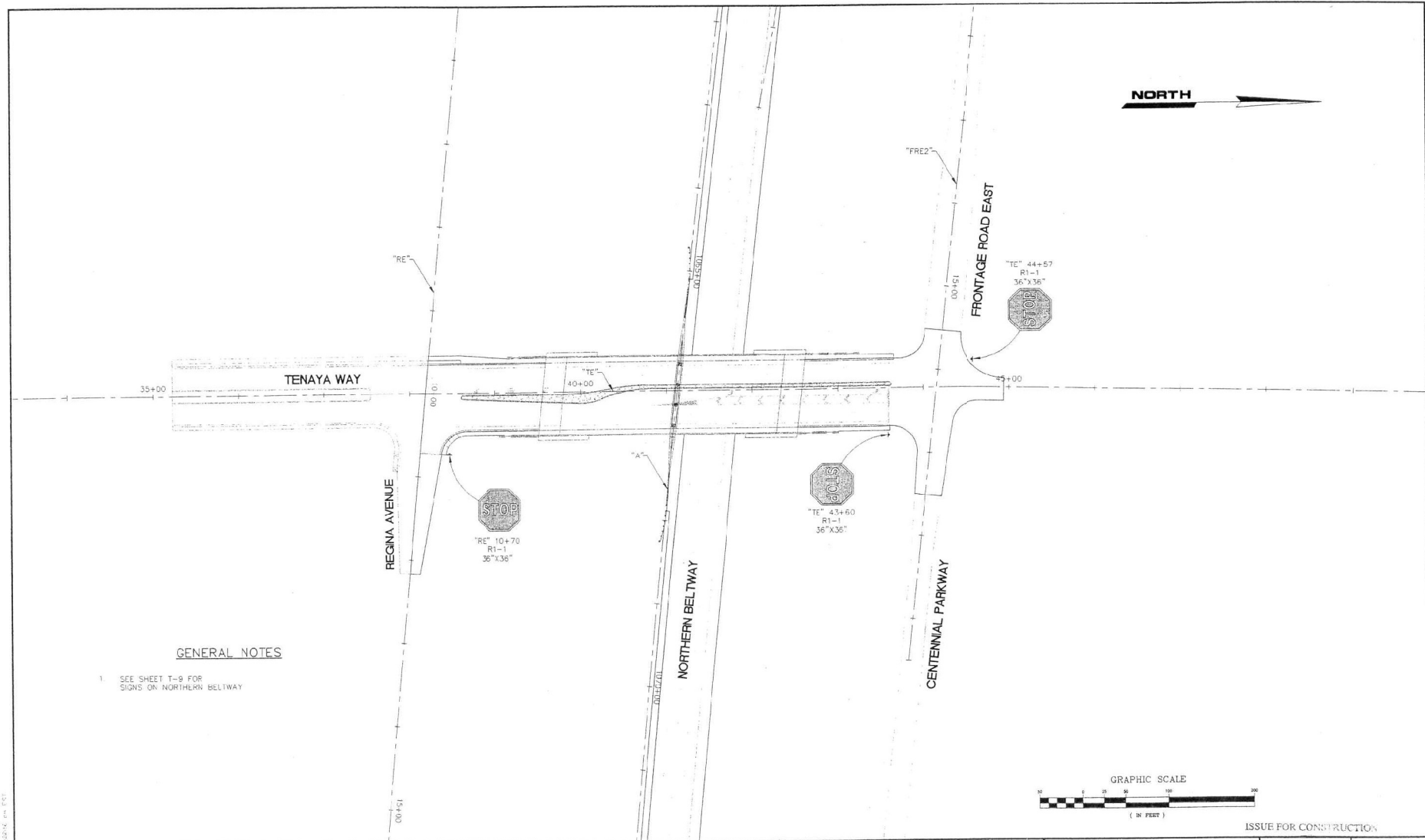
**WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES**  
**PERMANENT SIGNING PLAN**  
**"WS" 130+50 TO "WS" 135+66**  
**CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS**



PROJECT No: PTO 643558  
DESIGNED BY: KFN  
CHECKED BY: RSM  
APPROVED BY: JSP  
**PARSONS TRANSPORTATION GROUP**  
LAS VEGAS, NEVADA  
640 GRIFFIN DRIVE, SUITE 340  
LAS VEGAS, NEVADA 89119  
PHONE (702) 436-7115  
FAX (702) 436-8412

| SCALE         | DRAWING NO. |
|---------------|-------------|
| HORIZ: 1"=50' | T-21        |
| VERT: N/A     | SHT. OF     |
| FIELD BOOK    |             |

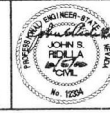




| REV. NO. | DATE | DESCRIPTION | APPROVED |
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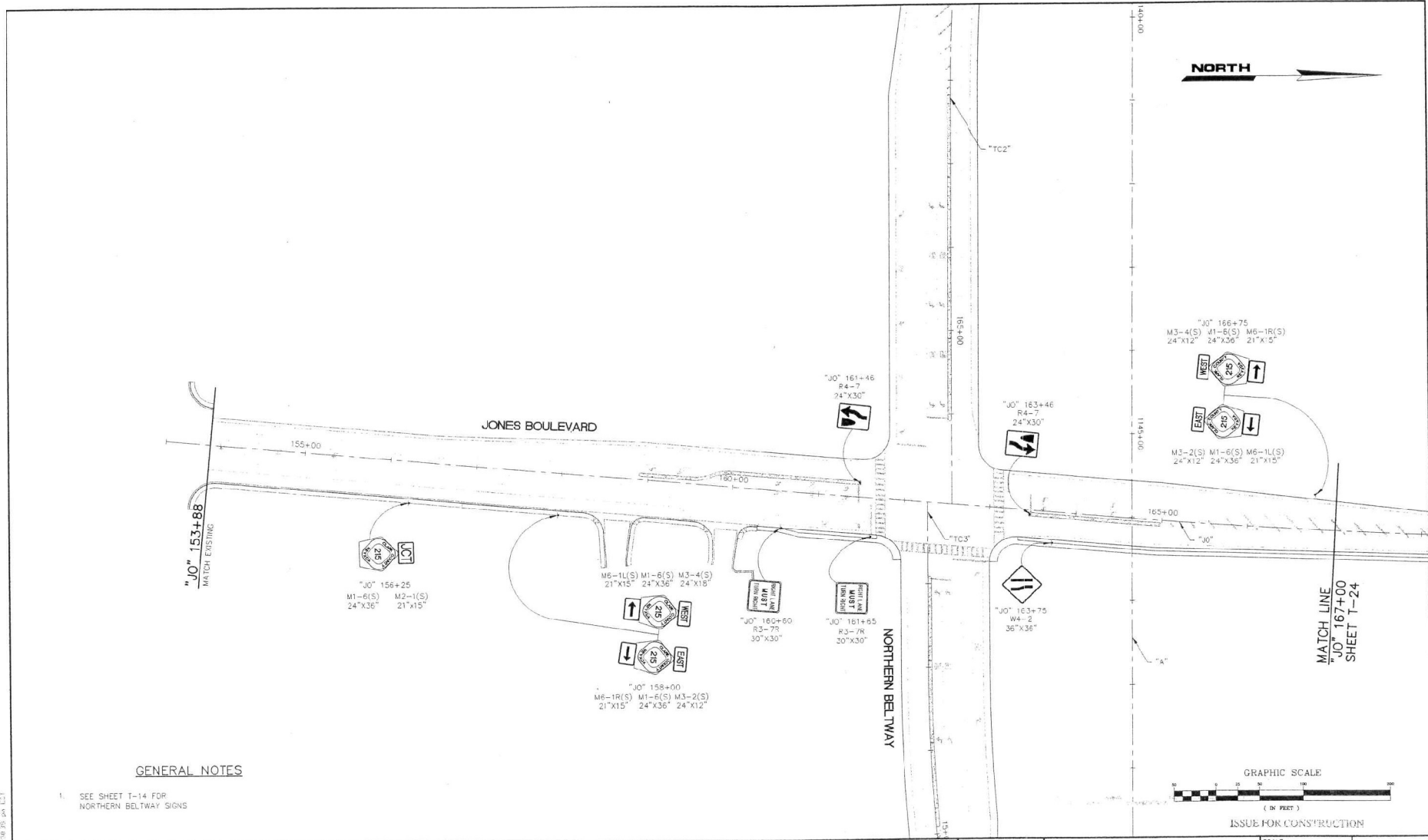


**WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES  
PERMANENT SIGNING PLAN  
"TENAYA WAY"**  
CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS



PROJECT NO: PTO 843558  
DESIGNED BY: KFN  
APPROVED BY: JSM  
DRAWN BY: KFN  
CHECKED BY: RSM  
PARSONS TRANSPORTATION GROUP  
840 GREY DRIVE, SUITE 340  
LAS VEGAS, NEVADA 89115  
PHONE (702) 415-2116  
FAX (702) 425-9412

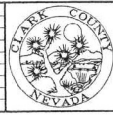
| SCALE         |  | ISSUE FOR CONSTRUCTION |      |
|---------------|--|------------------------|------|
| HORIZ: 1"=50' |  | L-1631                 |      |
| VERT: N/A     |  | DRAWING NO:            | T-22 |
| FIELD BOOK    |  | SHEET                  | OF   |



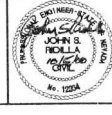
**GENERAL NOTES**

- SEE SHEET T-14 FOR NORTHERN BELTWAY SIGNS

| REV NO | DATE | DESCRIPTION | APPROVED |
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**WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES**  
**PERMANENT SIGNING PLAN**  
**"JO" 154+18 to "JO" 167+00**  
 CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS

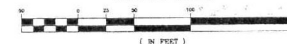


|                                                          |                                                                                                    |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| PROJECT No: PTO 542558                                   | DRAWN BY: KFN                                                                                      |
| DESIGNED BY: KFN                                         | CHECKED BY: RSM                                                                                    |
| APPROVED BY: JSR                                         |                                                                                                    |
| <b>PARSONS TRANSPORTATION GROUP</b><br>LAS VEGAS, NEVADA | 840 GREY DRIVE, SUITE 340<br>LAS VEGAS, NEVADA 89119<br>PHONE (702) 435-2111<br>FAX (702) 435-8412 |

|               |             |
|---------------|-------------|
| SCALE         | L-1631      |
| HORIZ: 1"=50' | DRAWING NO. |
| VERT: N/A     | T-23        |
| FIELD BOOK    | SHT. OF     |



GRAPHIC SCALE



## ISSUE FOR CONSTRUCTION

[illegible]

**WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES**  
**PERMANENT SIGNING PLAN**  
**"JO" 167+00 to "JO" 170+36**  
**CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS**



PROJECT No: PTG 643558 DRAWN BY: KFN  
DESIGNED BY: KFN CHECKED BY: RSM  
APPROVED BY: JSM

 **PARSONS**  
**TRANSPORTATION GROUP**  
LAS VEGAS, NEVADA

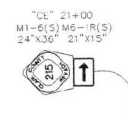
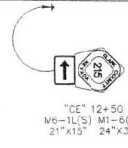
840 GREER DRIVE, SUITE 340  
LAS VEGAS, NEVADA 89119  
PHONE (702) 435-2116  
FAX (702) 435-8412

|               |             |
|---------------|-------------|
| SCALE         | L-1631      |
| HORIZ: 1"=50' |             |
| VERT: N/A     | DRAWING NO. |
| FIELD BOOK    | T-24        |
|               | SHT OF      |



EL CAPITAN WAY

CENTENNIAL PARKWAY



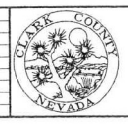
GENERAL NOTES

- 1. SEE SHEET T-16 FOR EL CAPITAN WAY SIGNS

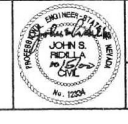


ISSUE FOR CONSTRUCTION

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**WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES**  
**PERMANENT SIGNING PLAN**  
**CENTENNIAL PARKWAY**  
CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS



PROJECT NO: PTO 643558 DRAWN BY: KFN  
DESIGNED BY: KFN CHECKED BY: BSM  
APPROVED BY: JSR  
**PARSONS TRANSPORTATION GROUP**  
840 OPER DRIVE, SUITE 240  
LAS VEGAS, NEVADA 89119  
PHONE (702) 438-2116  
FAX (702) 438-8412

|               |             |
|---------------|-------------|
| SCALE         | L-1631      |
| HORIZ: 1"=50' | DRAWING NO. |
| VERT: N/A     | T-25        |
| FIELD BOOK    | SH1 OF      |

SIGN DETAIL "S1"



BORDER  
R=2"  
TH=1"

Dimensions are in inches/tenths

Letter locations are panel edge to lower left corner

|               |                                   |
|---------------|-----------------------------------|
| SIGN NUMBER   | name                              |
| WIDTH x HGT.  | 5'-0" x 1'-0"                     |
| BORDER WIDTH  | 1"                                |
| CORNER RADIUS | 2"                                |
| MOUNTING      | Ground                            |
| BACKGROUND    | TYPE: Reflective<br>COLOR: Yellow |
| LEGEND/BORDER | TYPE: Reflective<br>COLOR: Black  |

| SYMBOL | X | Y | WD | HT |
|--------|---|---|----|----|
|        |   |   |    |    |
|        |   |   |    |    |
|        |   |   |    |    |
|        |   |   |    |    |
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| LETTER POSITIONS (X) |     |      |      |      |      |      |      |      |      | LENGTH | SERIES/SIZE |
|----------------------|-----|------|------|------|------|------|------|------|------|--------|-------------|
| E                    | L   | C    | A    | P    | I    | T    | A    | N    |      | 54.4   | EG          |
| 2.8                  | 8.5 | 12.9 | 18.9 | 24.5 | 31.7 | 38.1 | 40.3 | 45.1 | 52.4 |        |             |
|                      |     |      |      |      |      |      |      |      |      |        |             |
|                      |     |      |      |      |      |      |      |      |      |        |             |
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SIGN DETAIL "S2"



Dimensions are in inches/tenths

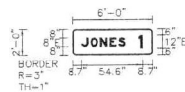
Letter locations are panel edge to lower left corner

|               |                                  |
|---------------|----------------------------------|
| SIGN NUMBER   | name                             |
| WIDTH x HGT.  | 10'-0" x 2'-0"                   |
| BORDER WIDTH  | 1"                               |
| CORNER RADIUS | 3"                               |
| MOUNTING      | Ground                           |
| BACKGROUND    | TYPE: Reflective<br>COLOR: Green |
| LEGEND/BORDER | TYPE: Reflective<br>COLOR: White |

| SYMBOL | X | Y | WD | HT |
|--------|---|---|----|----|
|        |   |   |    |    |
|        |   |   |    |    |
|        |   |   |    |    |
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|        |   |   |    |    |

| LETTER POSITIONS (X) |      |      |      |      |      |      |      |      |      | LENGTH | SERIES/SIZE |
|----------------------|------|------|------|------|------|------|------|------|------|--------|-------------|
| E                    | L    | C    | A    | P    | I    | T    | A    | N    | 3/4  | 104.4  | E8,E12      |
| 7.8                  | 15.3 | 21.2 | 29.2 | 36.7 | 46.3 | 54.8 | 57.6 | 64.2 | 73.9 | 92.2   |             |
|                      |      |      |      |      |      |      |      |      |      |        |             |
|                      |      |      |      |      |      |      |      |      |      |        |             |
|                      |      |      |      |      |      |      |      |      |      |        |             |

SIGN DETAIL "S3"



Dimensions are in inches/tenths

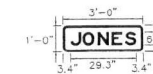
Letter locations are panel edge to lower left corner

|               |                                  |
|---------------|----------------------------------|
| SIGN NUMBER   | name                             |
| WIDTH x HGT.  | 6'-0" x 2'-0"                    |
| BORDER WIDTH  | 1"                               |
| CORNER RADIUS | 3"                               |
| MOUNTING      | Ground                           |
| BACKGROUND    | TYPE: Reflective<br>COLOR: Green |
| LEGEND/BORDER | TYPE: Reflective<br>COLOR: White |

| SYMBOL | X | Y | WD | HT |
|--------|---|---|----|----|
|        |   |   |    |    |
|        |   |   |    |    |
|        |   |   |    |    |
|        |   |   |    |    |
|        |   |   |    |    |
|        |   |   |    |    |
|        |   |   |    |    |
|        |   |   |    |    |
|        |   |   |    |    |

| LETTER POSITIONS (X) |      |      |      |      |      |  |  |  |  | LENGTH | SERIES/SIZE |
|----------------------|------|------|------|------|------|--|--|--|--|--------|-------------|
| J                    | O    | N    | E    | S    | 1    |  |  |  |  | 54.6   | E8,E12      |
| 8.7                  | 16.8 | 25.4 | 33.9 | 41.4 | 59.8 |  |  |  |  |        |             |
|                      |      |      |      |      |      |  |  |  |  |        |             |
|                      |      |      |      |      |      |  |  |  |  |        |             |
|                      |      |      |      |      |      |  |  |  |  |        |             |

SIGN DETAIL "S4"



BORDER  
R=2"  
TH=1"

Dimensions are in inches/tenths

Letter locations are panel edge to lower left corner

|               |                                   |
|---------------|-----------------------------------|
| SIGN NUMBER   | name                              |
| WIDTH x HGT.  | 3'-0" x 1'-0"                     |
| BORDER WIDTH  | 1"                                |
| CORNER RADIUS | 2"                                |
| MOUNTING      | Ground                            |
| BACKGROUND    | TYPE: Reflective<br>COLOR: Yellow |
| LEGEND/BORDER | TYPE: Reflective<br>COLOR: Black  |

| SYMBOL | X | Y | WD | HT |
|--------|---|---|----|----|
|        |   |   |    |    |
|        |   |   |    |    |
|        |   |   |    |    |
|        |   |   |    |    |
|        |   |   |    |    |
|        |   |   |    |    |
|        |   |   |    |    |
|        |   |   |    |    |
|        |   |   |    |    |

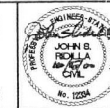
| LETTER POSITIONS (X) |     |      |      |      |  |  |  |  |  | LENGTH | SERIES/SIZE |
|----------------------|-----|------|------|------|--|--|--|--|--|--------|-------------|
| J                    | O   | N    | E    | S    |  |  |  |  |  | 29.3   | E8          |
| 3.4                  | 9.4 | 15.9 | 22.2 | 27.9 |  |  |  |  |  |        |             |
|                      |     |      |      |      |  |  |  |  |  |        |             |
|                      |     |      |      |      |  |  |  |  |  |        |             |
|                      |     |      |      |      |  |  |  |  |  |        |             |

NOT TO SCALE

| REV. | NO. | DATE | DESCRIPTION | APPROVED |
|------|-----|------|-------------|----------|
|      |     |      |             |          |
|      |     |      |             |          |
|      |     |      |             |          |
|      |     |      |             |          |



**WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES**  
SIGN DETAILS  
CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS

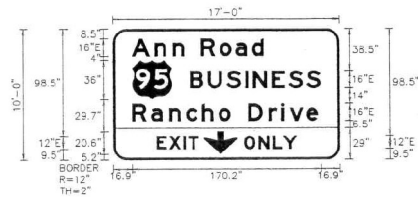


|                                                                                                                                            |            |             |     |
|--------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|-----|
| PROJECT NO.                                                                                                                                | PTG 543558 | DRAWN BY:   | KFN |
| DESIGNED BY:                                                                                                                               | KFN        | CHECKED BY: | RSM |
| APPROVED BY:                                                                                                                               | JSP        |             |     |
| <b>PARSONS TRANSPORTATION GROUP</b><br>840 GRIER DRIVE, SUITE 340<br>LAS VEGAS, NEVADA 89118<br>PHONE (702) 432-2119<br>FAX (702) 432-9472 |            |             |     |

| ISSUE FOR CONSTRUCTION |             |
|------------------------|-------------|
| SCALE                  | L-1631      |
| HORIZ: NONE            | DRAWING NO. |
| VERT: NONE             | T-26        |
| FIELD BOOK             | SHT. OF     |

WB/NB EL CAPITAN WAY TO JONES BOULEVARD

SIGN DETAIL "S5"



|               |                  |
|---------------|------------------|
| SIGN NUMBER   | name             |
| WIDTH x HGT.  | 17'-0" x 10'-0"  |
| BORDER WIDTH  | 2"               |
| CORNER RADIUS | 12"              |
| MOUNTING      | Overhead         |
| BACKGROUND    | TYPE: Reflective |
|               | COLOR: Green     |
| LEGEND/BORDER | TYPE: Reflective |
|               | COLOR: White     |

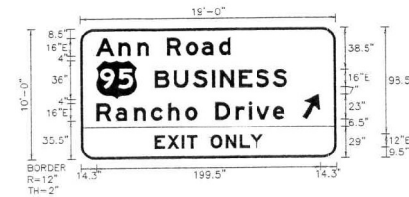
| SYMBOL | X    | Y    | WID | HT   |
|--------|------|------|-----|------|
| M1_4   | 16.9 | 55.5 | 36  | 36   |
| ARDOWN | 82.1 | 5.2  | 30  | 20.6 |

Dimensions are in inches, tenths

Letter locations are panel edge to lower left corner

| LETTER POSITIONS (X) |       |       |       |       |       |       |       |       |       |       |       |  | LENGTH | SERIES/SIZE |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--------|-------------|
| A                    | n     | n     |       | R     | o     | a     | d     |       |       |       |       |  |        | E16/12      |
| 16.9                 | 37.1  | 53.5  | 63.8  | 79.8  | 96.7  | 110.7 | 125.8 |       |       |       |       |  | 119.2  |             |
| B                    | U     | S     | I     | N     | E     | S     | S     |       |       |       |       |  |        | E16         |
| 68.9                 | 85.8  | 102.8 | 119.5 | 126.3 | 143.2 | 158.2 | 174.3 |       |       |       |       |  | 118.2  |             |
| R                    | a     | n     | c     | h     | o     |       | D     | r     | i     | v     | e     |  |        | E16/12      |
| 16.9                 | 33.8  | 50.1  | 65.3  | 80.4  | 95.6  | 106.2 | 122.2 | 140.3 | 151.7 | 159.3 | 174.3 |  | 167.7  |             |
| E                    | X     | I     | T     |       |       |       |       |       |       |       |       |  |        | E12         |
| 38.6                 | 49.9  | 62.7  | 67.3  |       |       |       |       |       |       |       |       |  | 37.5   |             |
| O                    | N     | L     | Y     |       |       |       |       |       |       |       |       |  |        | E12         |
| 118.1                | 131.1 | 143.8 | 153.4 |       |       |       |       |       |       |       |       |  | 47.3   |             |

SIGN DETAIL "S6"



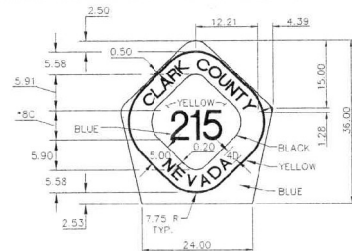
|               |                  |
|---------------|------------------|
| SIGN NUMBER   | name             |
| WIDTH x HGT.  | 19'-0" x 10'-0"  |
| BORDER WIDTH  | 2"               |
| CORNER RADIUS | 12"              |
| MOUNTING      | Overhead         |
| BACKGROUND    | TYPE: Reflective |
|               | COLOR: Green     |
| LEGEND/BORDER | TYPE: Reflective |
|               | COLOR: White     |

| SYMBOL | X    | Y    | WID | HT |
|--------|------|------|-----|----|
| M1_4   | 14.3 | 55.5 | 36  | 36 |

Dimensions are in inches, tenths

Letter locations are panel edge to lower left corner

| LETTER POSITIONS (X) |      |      |       |       |       |       |       |       |       |       |       |  | LENGTH | SERIES/SIZE |
|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--------|-------------|
| A                    | n    | n    |       | R     | o     | a     | d     |       |       |       |       |  |        | E16/12      |
| 14.3                 | 34.5 | 50.9 | 61.1  | 77.1  | 94    | 108.1 | 123.2 |       |       |       |       |  | 119.2  |             |
| B                    | U    | S    | I     | N     | E     | S     | S     |       |       |       |       |  |        | E16         |
| 66.3                 | 83.1 | 100  | 116.8 | 123.7 | 140.6 | 155.6 | 171.7 |       |       |       |       |  | 118.2  |             |
| R                    | a    | n    | c     | h     | o     |       | D     | r     | i     | v     | e     |  |        | E16/12      |
| 14.3                 | 31.2 | 47.5 | 62.6  | 77.8  | 93    | 103.5 | 119.5 | 137.7 | 149.1 | 156.7 | 171.7 |  | 167.7  |             |
| E                    | X    | I    | T     |       |       |       |       |       |       |       |       |  |        | E12         |
| 65.8                 | 77.1 | 89.9 | 94.5  | 103.3 | 115.3 | 128.3 | 140.9 | 150.6 |       |       |       |  | 96.8   |             |



M1-6(S)

BACKGROUND

LEGEND: "CLARK COUNTY"

LEGEND: "NEVADA"

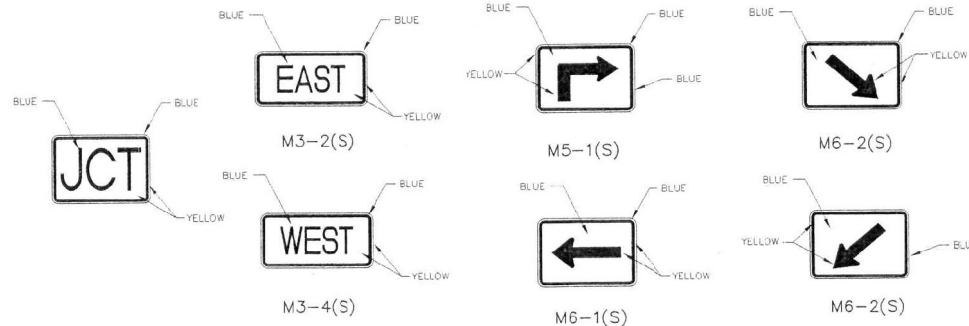
LEGEND: "215"

BLUE = PANTONE COLOR NO. 313

YELLOW = PANTONE COLOR NO. 124

\*REDUCE 80 BY 10%

NOTE: ALL SHEETING SHALL BE HIGH INTENSITY

BLUE (REFL) OR YELLOW (REFL)  
(AS NOTED)  
YELLOW (REFL)  
BLUE (REFL)

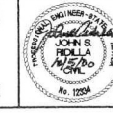
NOTE:  
THE FOLLOWING SIGNS:  
M3-2(S)  
M3-4(S)  
M5-1(S)  
M6-1(S)  
M6-2(S)  
SHALL BE PER MUTCD STANDARD, 1988 EDITION  
EXCEPT FOR THE FOLLOWING:  
1. BLUE = PANTONE NO. 313  
2. YELLOW = PANTONE NO. 124  
AS NOTED ON THIS SHEET

SHEET 1 OF 1

| REV | NO. | DATE | DESCRIPTION | APPROVED |
|-----|-----|------|-------------|----------|
|     |     |      |             |          |



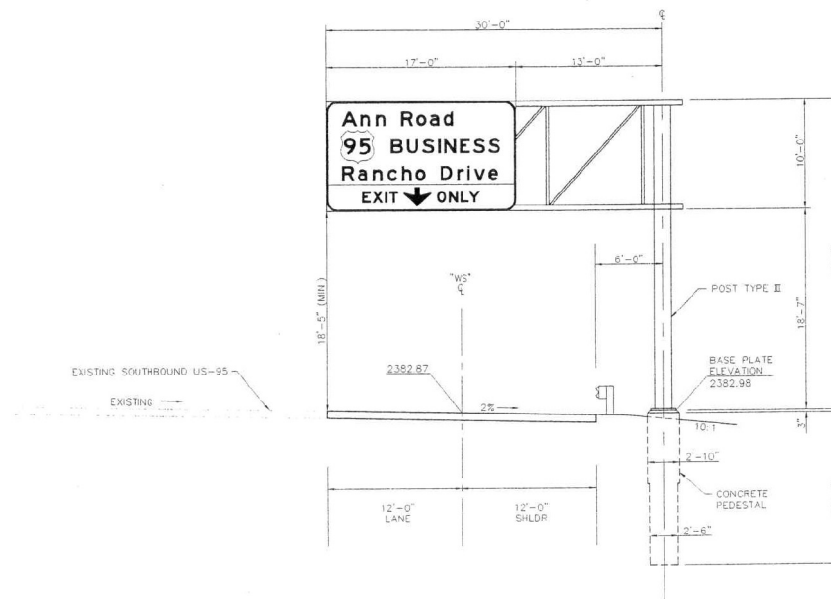
WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES  
SIGN DETAILS  
CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS



|                              |                                                                                                    |             |     |
|------------------------------|----------------------------------------------------------------------------------------------------|-------------|-----|
| PROJECT NO:                  | PTS 843558                                                                                         | DRAWN BY:   | KFN |
| DESIGNED BY:                 | KFN                                                                                                | CHECKED BY: | RSW |
| APPROVED BY:                 | JSR                                                                                                |             |     |
| PARSONS TRANSPORTATION GROUP | 840 GRIER DRIVE SUITE 340<br>LAS VEGAS, NEVADA 89118<br>PHONE (702) 435-2118<br>FAX (702) 435-8472 |             |     |

| ISSUE FOR CONSTRUCTION |             |
|------------------------|-------------|
| SCALE                  | L-1631      |
| HORIZ: NONE            | DRAWING NO. |
| VERT: NONE             | T-27        |
| FIELD BOOK             | SHT. OF     |

WB/NB EL CAPITAN WAY TO JONES BOULEVARD



\*WS\* 122+50  
30'-0" CANTILEVER SIGN STRUCTURE  
2 LIGHT FIXTURES

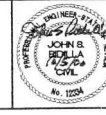
# NOTES:

1. SEE NDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION FOR SIGN STRUCTURE AND FOUNDATION DETAILS.
2. COLUMN LENGTHS ARE APPROXIMATE. ACTUAL ELEVATIONS AND COLUMN LENGTHS ARE TO BE CONFIRMED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO SUBMISSION OF SHOP DRAWING.
3. SEE NDOT STANDARD PLAN T-30.1.16.1-(623) FOR LIGHT FIXTURE SPACING.

| REV. NO. | DATE | DESCRIPTION | APPROVED |
|----------|------|-------------|----------|
|          |      |             |          |
|          |      |             |          |
|          |      |             |          |
|          |      |             |          |



WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES  
PERMANENT SIGNING PLANS  
SIGN STRUCTURE DETAIL  
CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS



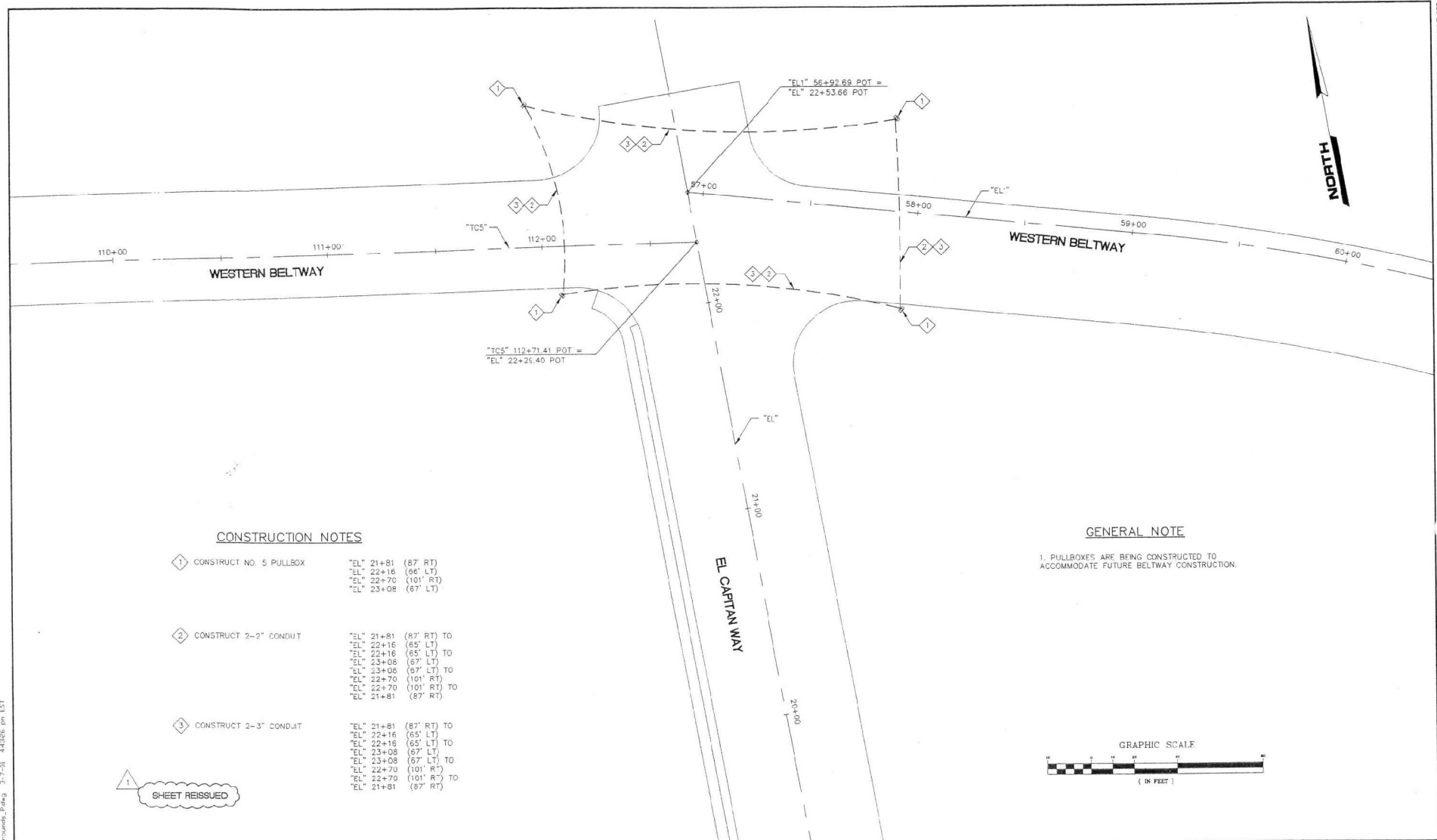
|                                                                                                                                            |                 |
|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| PROJECT NO: PTD 643558                                                                                                                     | DRAWN BY: ADB   |
| DESIGNED BY: RSM                                                                                                                           | CHECKED BY: COA |
| APPROVED BY: JSP                                                                                                                           |                 |
| <b>PARSONS TRANSPORTATION GROUP</b><br>840 GREER DRIVE, SUITE 340<br>LAS VEGAS, NEVADA 89119<br>PHONE (702) 435-2116<br>FAX (702) 435-8412 |                 |

| ISSUE FOR CONSTRUCTION |             |
|------------------------|-------------|
| SCALE                  | DRAWING NO. |
| HORIZ: NONE            | L-1631      |
| VERT: NONE             | T-28        |
| FIELD BOOK             | SHT. OF     |

3:55B T24.dwg 10-1-00 0:24:05 pgs 1 of 1

WB/NB EL CAPITAN WAY TO JONES BELTWAY



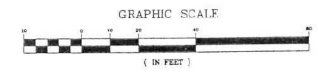


**CONSTRUCTION NOTES**

- 1. CONSTRUCT NO. 5 PULLBOX  
"EL" 21+81 (87' RT)  
"EL" 22+16 (85' LT)  
"EL" 22+70 (101' RT)  
"EL" 23+08 (67' LT)
- 2. CONSTRUCT 2-2" CONDUIT  
"EL" 21+81 (87' RT) TO  
"EL" 22+16 (85' LT)  
"EL" 22+16 (85' LT) TO  
"EL" 23+08 (67' LT)  
"EL" 23+08 (67' LT) TO  
"EL" 22+70 (101' RT)  
"EL" 22+70 (101' RT) TO  
"EL" 21+81 (87' RT)
- 3. CONSTRUCT 2-3" CONDUIT  
"EL" 21+81 (87' RT) TO  
"EL" 22+16 (85' LT)  
"EL" 22+16 (85' LT) TO  
"EL" 23+08 (67' LT)  
"EL" 23+08 (67' LT) TO  
"EL" 22+70 (101' RT)  
"EL" 22+70 (101' RT) TO  
"EL" 21+81 (87' RT)

**GENERAL NOTE**

1. PULLBOXES ARE BEING CONSTRUCTED TO ACCOMMODATE FUTURE BELTWAY CONSTRUCTION.

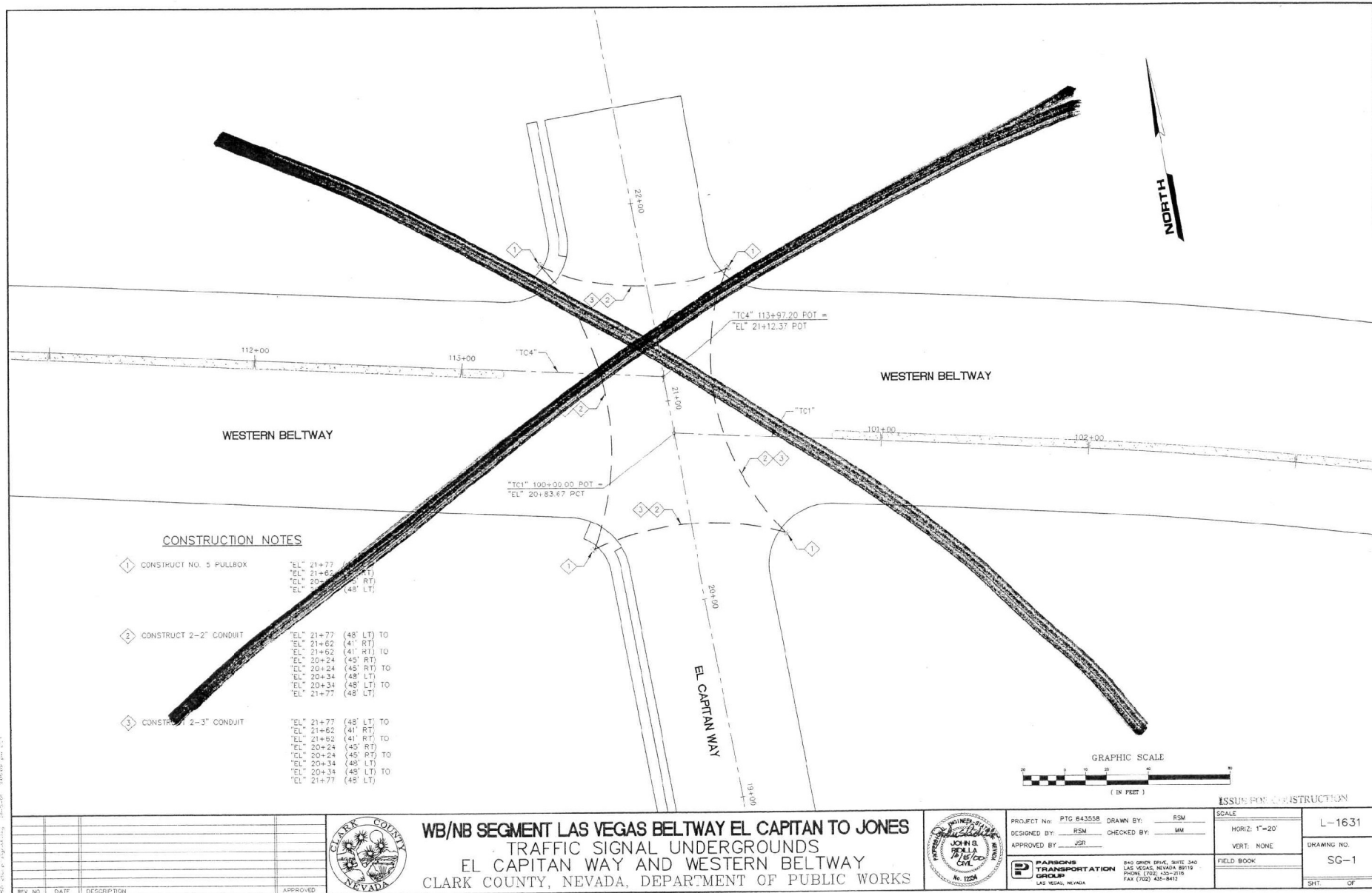


1 SHEET REISSUED

508-CLay-Signals Undergrounds, P. 104 3-7-01 44326 (in EST)

|  |  |                                                                                                                                                                                                          |  |  |                                                                                                                                |                                                                                                   |               |                                   |
|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------|-----------------------------------|
|  |  | <b>WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES</b><br><b>TRAFFIC SIGNAL UNDERGROUNDS</b><br><b>EL CAPITAN WAY AND WESTERN BELTWAY</b><br><b>CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS</b> |  |  | PROJECT No: <b>PTG 643558</b> DRAWN BY: <b>RSN</b><br>DESIGNED BY: <b>RSN</b> CHECKED BY: <b>MM</b><br>APPROVED BY: <b>JSR</b> | SCALE<br>HORZ: 1"=20'<br>VERT: NONE                                                               | <b>L-1631</b> |                                   |
|  |  |                                                                                                                                                                                                          |  |  | <b>PARSONS TRANSPORTATION GROUP</b><br>LAS VEGAS, NEVADA                                                                       | 840 ORR DRIVE, SUITE 240<br>LAS VEGAS, NEVADA 89119<br>PHONE (702) 455-2118<br>FAX (702) 455-6412 | FIELD BOOK    | <b>DRAWING NO.</b><br><b>SG-1</b> |
|  |  |                                                                                                                                                                                                          |  |  |                                                                                                                                |                                                                                                   |               | <b>SHT.</b> <b>OF</b>             |

| REV. NO. | DATE    | DESCRIPTION                   | APPROVED |
|----------|---------|-------------------------------|----------|
| 1        | 2/21/01 | REVISIONS DURING CONSTRUCTION | JSR      |



# TRAFFIC SIGNAL NOTES

- SEE SHEET G-3 FOR GENERAL NOTES.
- NEW PULLBOXES SHALL BE NO. 5 UNLESS NOTED.
- CONDUIT ROUTING AND PULLBOX LOCATION ARE SCHEMATIC FOR THE PURPOSE OF CLARITY AND MAY DIFFER FROM ACTUAL INSTALLATION. FINAL LOCATION OF PULLBOXES SHALL BE DETERMINED IN THE FIELD. PULLBOXES SHALL NOT BE INSTALLED IN SIDEWALK RAMPS.
- SIGNAL CABLE SHALL CONFORM TO I.M.S.A. #19-1 OR #20-1. ALL CABLE SHALL BE RUN FROM TERMINAL TO TERMINAL WITHOUT SPLICING.
- CONTRACTOR SHALL PROVIDE 200 AMP. SERVICE PEDESTAL PER THE LIGHTING PLANS IN THIS CONTACT.
- EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED AND NOT RELOCATED SHALL BE SALVAGED BY THE CONTRACTOR AND DELIVERED TO CLARK COUNTY TRAFFIC OPERATIONS, 5821 E. FLAMINGO ROAD.
- POLE ASSEMBLIES, BASE COVERS, AND LUMINAIRE BRACKETS SHALL BE HOT DIP GALVANIZED IN CONFORMANCE WITH ASTM A-123 AND SHALL NOT BE PAINTED. CLARK COUNTY RESERVES THE RIGHT TO REJECT SIGNAL POLES AND ASSEMBLIES WHICH HAVE A "STRIPED" APPEARANCE.
- INTERSECTION LUMINAIRES TO BE 400 WATT HPS WITH M-C-III DISTRIBUTION WITH 120 VOLT MAGNETIC REGULATOR AND INTEGRAL PHOTOELECTRIC CONTROLS (G.E. #M4RC405IM2GMC3 OR EQUIVALENT), NO POWER DOORS.
- ALL VEHICULAR GREEN AND RED INDICATIONS SHALL BE LIGHT EMITTING DIODE (LED) AND SHALL MEET ALL CURRENT INSTITUTE OF TRANSPORTATION ENGINEERS (ITE) AND CALTRANS TYPE I SPECIFICATIONS.

200 AMP SERVICE PEDESTAL (EXISTING)  
SEE LIGHTING PLANS  
"FRW" 52+71.9 (37.7' LT)  
1 EA TRAFFIC CONTROLLER ASSEMBLY  
1 EA MOTOROLA DARCOM 9000-2  
REMOTE DATA RADIO

"A" 1009+31.4 (100.3' LT)  
1 EA STEEL POLE, TYPE XX-A  
1 EA VEHICLE SIGNAL HEAD, 12 INCH, B-1T  
2 EA VEHICLE SIGNAL HEAD, 12 INCH, M-2  
2 EA HPS LUMINAIRE 400 WATT (15-FT ARM LENGTH)  
1 EA VIDEO DETECTION CAMERA  
1 EA EMERGENCY VEHICLE PRE-EMPTION DEVICE  
1 EA ILLUM. STREET NAME SIGN (<-- 95 SOUTH)  
1 EA MAST ARM SIGN (MUTCD R3-4)

- CONTRACTOR SHALL PROVIDE AND INSTALL FOUR (4) 8-FOOT DOUBLE FACED ILLUMINATED STREET NAME SIGNS PER STD. DWG. NO. 404-B18 AND 404-417 ON POLES "A", "B", "C" AND "D". SIGN FACES SHALL HAVE CLASS 5 OR 6 DIAMOND GRADE SHEETING WITH UPPER CASE LETTERING. SEE TABLE FOR SIGN LEGENDS. THE STREET NAME SIGNS SHALL BE WIRED TO THE LUMINAIRE PHOTO CELL ON EACH POLE.
- MODEL 722 (TWO-WAY) OPTICOM DETECTORS SHALL BE MOUNTED ON TOP OF LEFT MOST SIGNAL HEAD ON THE MAST ARMS OF POLES "C" AND "D". THE CONTROLLER SHALL BE EQUIPPED FOR OPTICOM PRE-EMPTION USING A MODEL 762 PHASE SELECTOR. MODEL 135 OPTICOM DETECTOR CABLE SHALL BE RUN FROM THE CONTROLLER TO THE OPTIC DETECTOR AS SHOWN IN THE CONDUIT AND WIRE SCHEDULE.
- PEDESTRIAN PUSH BUTTONS SHALL MEET THE AMERICANS WITH DISABILITY ACT (ADA) ACCESSIBILITY GUIDELINES AND BE INSTALLED ON THE POLE AT A HEIGHT BETWEEN 36 AND 42 INCHES FROM FINISHED GRADE.

TRAFFIC SIGNAL NOTES CONTINUED NEXT SHEET

## CONSTRUCTION NOTES

- INSTALL NO. 5 PULLBOX "A" 1011+13 (118' LT)  
"A" 1011+3' (19' RT)
- INSTALL NO. 7 PULLBOX "A" 1010+12 (36' RT)

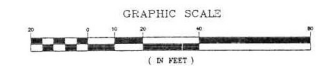
- VEHICLE VIDEO DETECTION SYSTEM SHALL BE AUTOSCOPE 2004, PEEK VIDEOSKOP 900, OR ODECTICS VANTAGE PLUS. CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT IN CONTROLLER CABINET. MOUNT CAMERAS AS SHOWN IN POLE SCHEDULE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. FINAL POSITION, HEIGHT AND MOUNTING REQUIREMENTS OF THE CAMERAS SHALL BE PER MANUFACTURER'S RECOMMENDATIONS UPON APPROVAL BY THE ENGINEER. THE VIDEO DETECTION SYSTEM SHALL HAVE THE CAPABILITY OF SENSING A VEHICLE ANYWHERE WITHIN THE "MINIMUM LIMITS OF DETECTION ZONE". COAXIAL CABLE AND 3-#10 THW SHALL RUN FROM THE CONTROLLER CABINET TO EACH CAMERA. COAXIAL CABLE SHALL BE TYPE RG-59, BELDEN 8281 OR APPROVED EQUIVALENT.
- CONTRACTOR SHALL PROVIDE AND INSTALL A FAGE 2070N CONTROLLER IN COUNTY SUPPLIED CABINET ON CONTRACTOR FURNISHED FOUNDATION. CONTRACTOR SHALL DELIVER CONTROLLER TO LVACTS TWO (2) WEEKS PRIOR TO INSTALLATION. CONTRACTOR SHALL CONTACT CLARK COUNTY (455-7544) FOR DELIVERY OF CONTROLLER. CONTRACTOR SHALL PICKUP CABINET AT CLARK COUNTY 5821 E. FLAMINGO ROAD. CONTRACTOR SHALL FURNISH AND INSTALL REMOTE DATA RADIO UNIT (MOTOROLA DARCOM 9000-2 OR APPROVED EQUIVALENT) INCLUDING ANTENNA PER MANUFACTURER'S RECOMMENDATIONS.

"A" 1010+18.3 (19.3' RT)  
1 EA STEEL POLE, TYPE XX-A  
1 EA VEHICLE SIGNAL HEAD, 12 INCH, B-2T  
2 EA VEHICLE SIGNAL HEAD, 12 INCH, M-2A  
2 EA HPS LUMINAIRE 400 WATT (15-FT ARM LENGTH)  
1 EA VIDEO DETECTION CAMERA  
1 EA EMERGENCY VEHICLE PRE-EMPTION DEVICE  
1 EA MOTOROLA DARCOM 9000-2 REMOTE DATA RADIO ANTENNA  
1 EA ILLUM. STREET NAME SIGN (215)  
1 EA MAST ARM SIGN (NY SUPPLEMENT NLU-206)

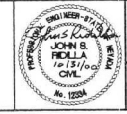
"A" 1011+60.3 (111.5' RT)  
1 EA STEEL POLE, TYPE XX-A  
1 EA VEHICLE SIGNAL HEAD, 12 INCH, B-2T  
3 EA VEHICLE SIGNAL HEAD, 12 INCH, M-2  
2 EA HPS LUMINAIRE 400 WATT (15-FT ARM LENGTH)  
1 EA VIDEO DETECTION CAMERA  
1 EA VIDEO SURVEILLANCE CAMERA  
1 EA ILLUM. STREET NAME SIGN (95 SOUTH -->)  
1 EA MAST ARM SIGN (MUTCD R3-4)

| SIGN SCHEDULE |                                         |
|---------------|-----------------------------------------|
| POLE          | INTERNALLY ILLUMINATED STREET NAME SIGN |
| (B)           | 95 SOUTH -->                            |
| (C)           | 215                                     |
| (D)           | <-- 95 SOUTH                            |

SEE USDOCA DWGS. NO. 404-417 AND 404-420. BLOCK NUMBER SIGN TO BE CENTERED ON ILLUMINATED STREET NAME SIGN.  
"B" SIGN PANEL  
SMALL TEXT (DIRECTION AND BLOCK NUMBER)  
IS "S" SERIES C, LARGE TEXT (STREET NAME) IS "B" SERIES D FOR UPPER CASE.



**WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES**  
**TRAFFIC SIGNAL PLAN**  
**WESTERN BELTWAY AND "FRW"/"ES-C"**  
CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS



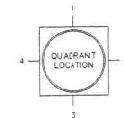
PROJECT NO: **PTG 643558** DRAWN BY: **KFN**  
DESIGNED BY: **KFN** CHECKED BY: **JM**  
APPROVED BY: **JSP**  
**PARSONS TRANSPORTATION GROUP**  
LAS VEGAS, NEVADA  
840 GRID DRIVE, SUITE 340  
LAS VEGAS, NEVADA 89119  
PHONE (702) 430-2118  
FAX (702) 430-9412

| ISSUE FOR CONSTRUCTION |             |
|------------------------|-------------|
| SCALE                  |             |
| HORIZ: 1"=20'          | L-1631      |
| VERT: NONE             | DRAWING NO. |
| FIELD BOOK             | SG-2        |
| SHT. OF                |             |

250556-FRW/ENG (2-12-06) 5/2019 up 131

| REV. NO. | DATE     | DESCRIPTION    | APP. APPROVED |
|----------|----------|----------------|---------------|
| 1        | 10/31/00 | ADDENDUM NO. 2 | JSP           |

| POLE SCHEDULE |                                            |      |       |        |          |       |        |               |                  |              |
|---------------|--------------------------------------------|------|-------|--------|----------|-------|--------|---------------|------------------|--------------|
| NO.           | STATION - BLVD                             | TYPE | POLE  |        | LUM. ARM | QUAD. | LENGTH | SIGNALS (FWD) |                  | REMARKS      |
|               |                                            |      | QUAD. | LENGTH |          |       |        | QUAD.         | TYPE             |              |
| A             | "A" 1011+19.0<br>113.0' LT.<br>EL. 2449.04 | XX-A |       |        | 3.4      | 15'   |        | POST<br>TOP   | B-1T             | L FOUNDATION |
| B             | "A" 1011+60.3<br>11.5' RT.<br>EL. 2451.47  | XX-A | 1     | 45'    | 1.4      | 15'   |        | MA<br>3       | M-2 (3)<br>B-2T  | L FOUNDATION |
| C             | "A" 1010+18.3<br>39.3' RT.<br>EL. 2448.52  | XX-A | 2     | 50'    | 4.3      | 15'   |        | MA<br>3       | M-5, M-2<br>B-2T | L FOUNDATION |
| D             | "A" 1000+91.4<br>100.3' LT.<br>EL. 2461.27 | XX-A | 1     | 60'    | 1.4      | 15'   |        | MA<br>1       | M-2 (3)<br>B-1T  | L FOUNDATION |



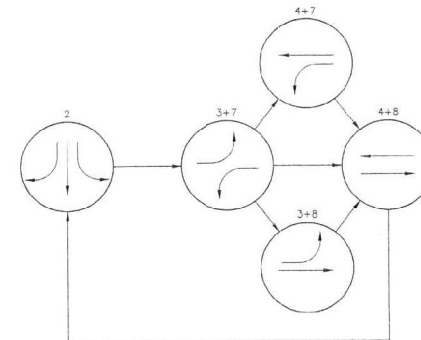
ARM OR SIGNAL LOCATION  
(TOP VIEW)

# TRAFFIC SIGNAL NOTES (CONTINUED)

- TRAFFIC SIGNAL POLES SHALL BE WIRED WITH #14 AWG COPPER.
- FOUNDATIONS FOR TRAFFIC SIGNAL POLES WITH MAST ARMS EXCEEDING 60 FEET SHALL BE DESIGNED BY THE POLE MANUFACTURER. EACH POLE AND FOUNDATIONS SHALL BE DESIGNED FOR THE SPECIFIC INTENDED LOCATION. THE STRUCTURAL INTEGRITY OF THE SIGNAL POLE ASSEMBLY AND FOUNDATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL SUPPLY A DESIGN WET STAMPED BY A STRUCTURAL ENGINEER.
- TRAFFIC CONTROLLERS TO BE REPLACED OR RESET SHALL BE CHANGED OUT BETWEEN THE HOURS OF 12 MIDNIGHT AND 6 A.M. ON SUNDAY. A COPW TRAFFIC SIGNAL TECHNICIAN SHALL BE PRESENT DURING CHANGE OVER.
- METAL POLES, CONDUITS, PULL BOXES, JUNCTION BOXES AND METAL FRAMES SHALL BE EFFECTIVELY GROUNDED PER NEC.
- MUTCD R.3-4 SIGNS SHALL BE 24"x24".

# PHASE DIAGRAM

FLASHING OPERATION ALL RED  
OPTICOM - PHASE 2,4,8

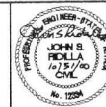


NEW SHEET ISSUED

| CONDUIT AND WIRE SCHEDULE                                                               |                  |                  |                    |      |      |      |      |      |      |
|-----------------------------------------------------------------------------------------|------------------|------------------|--------------------|------|------|------|------|------|------|
| WIRE AND CABLE                                                                          | FROM             | TO               | VIA CONDUIT        |      |      |      |      |      |      |
|                                                                                         |                  |                  | 1                  | 2    | 3    | 4    | 5    | 6    | 7    |
| 3 #3/0 AWG THW                                                                          | NPC TRANSFORMER  | SERVICE PEDESTAL | SEE LIGHTING PLANS |      |      |      |      |      |      |
| 4 #2, 1 #8                                                                              | SERVICE PEDESTAL | CONTROLLER       |                    |      |      |      |      |      |      |
| 25 #14 CABLE<br>2 #10, 1 #8                                                             | CONTROLLER       | POLE A           |                    |      |      |      |      |      |      |
| 25 #14 CABLE<br>2 EA 3 #16 S/O CORD<br>2 EA 3 #16 COAX<br>2 #10, 1 #8<br>2 PAIR #12 THW | CONTROLLER       | POLE B           |                    |      |      |      |      |      |      |
| 25 #14 CABLE<br>3 #10 S/O CORD<br>8281 COAX<br>2 #10, 1 #8                              | CONTROLLER       | POLE C           |                    |      |      |      |      |      |      |
| 25 #14 CABLE<br>3 #16 S/O CORD<br>8281 COAX<br>2 #10, 1 #8                              | CONTROLLER       | POLE D           |                    |      |      |      |      |      |      |
| EMER. VEHICLE<br>PRE-EMPT. CABLE                                                        | CONTROLLER       | POLE C           |                    |      |      |      |      |      |      |
| EMER. VEHICLE<br>PRE-EMPT. CABLE                                                        | CONTROLLER       | POLE D           |                    |      |      |      |      |      |      |
| NO. & SIZE OF CONDUIT                                                                   |                  |                  | 1-4"               | 1-3" | 2-3" | 2-3" | 1-3" | 1-3" | 1-3" |

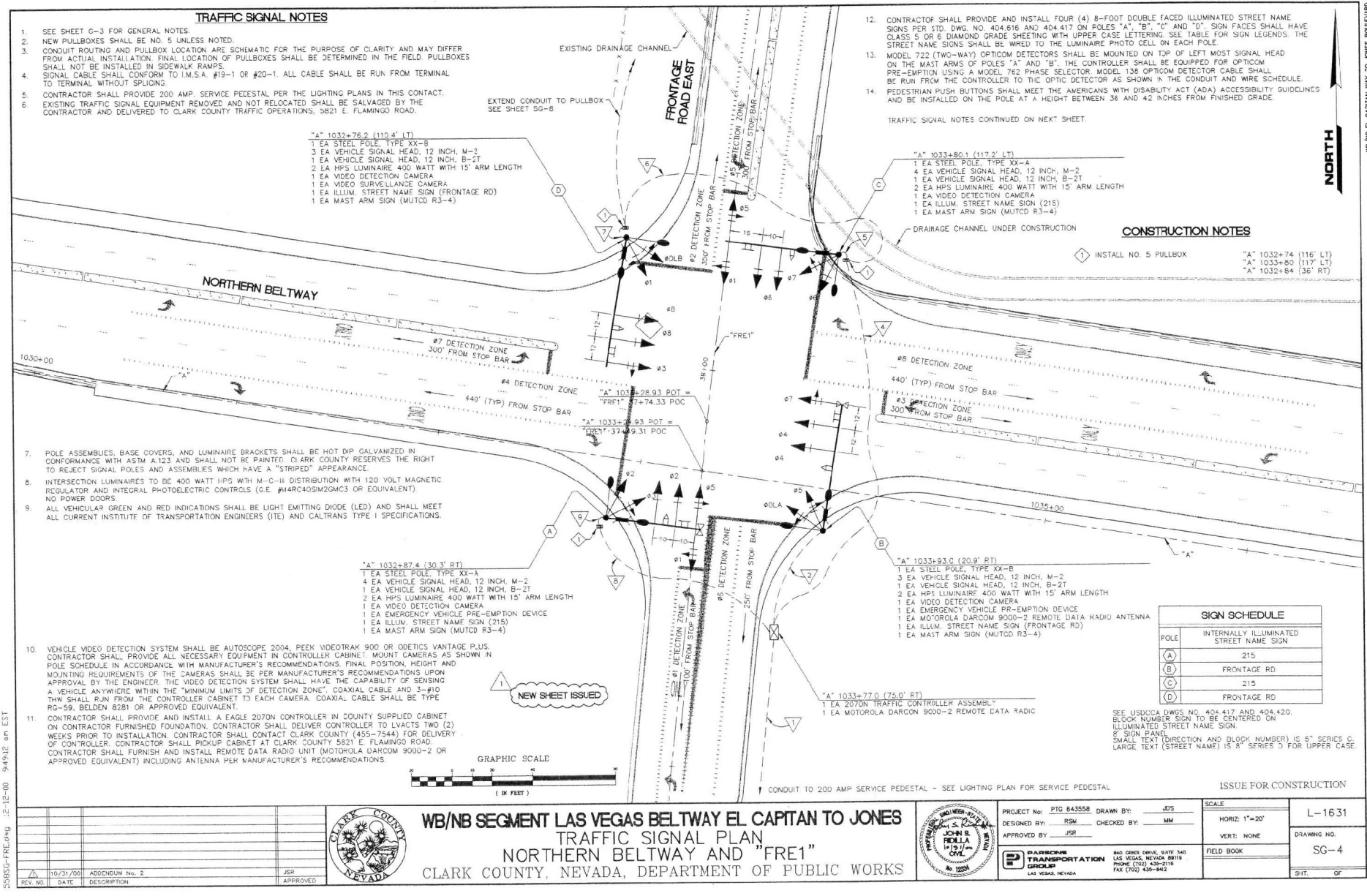


WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES  
TRAFFIC SIGNAL SCHEDULE  
WESTERN BELTWAY AND "FRW"/"ES-C"  
CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS



PROJECT NO. PTC 643038 DRAWN BY: JDS  
DESIGNED BY: RSM CHECKED BY: JNM  
APPROVED BY: JSE  
PARSONS TRANSPORTATION GROUP  
LAS VEGAS, NEVADA  
440 GREEN DRIVE, SUITE 340  
LAS VEGAS, NEVADA 89103  
PHONE (702) 430-2119  
FAX (702) 430-9411

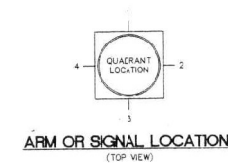
ISSUE FOR CONSTRUCTION  
SCALE  
HORIZ: NONE  
VERT: NONE  
FIELD BOOK  
DRAWING NO. L-1631  
SG-3  
SHT. OF



5585G-FRE1.dwg 12-12-00 94912 on EST

WB/NB EL CAPITAN HWY TO JONES BOULEVARD

| POLE SCHEDULE |                                           |      |                         |                        |            |               |            |                 |            |              |  |  |
|---------------|-------------------------------------------|------|-------------------------|------------------------|------------|---------------|------------|-----------------|------------|--------------|--|--|
| NO.           | STATION - ELEV.                           | POLE |                         | SIGNALS (REQ)          |            | SIGNALS (PED) |            | PUSH BUTTON     |            | REMARKS      |  |  |
|               |                                           | TYPE | SIGNAL ARM QUAD. LENGTH | LIAM. ARM QUAD. LENGTH | QUAD. TYPE | QUAD. TYPE    | QUAD. TYPE | QUAD. TYPE      | QUAD. TYPE |              |  |  |
| A             | "A" 1032+87.4<br>30.3' RT<br>EL. 2412.80  | XX-A | 2                       | 45'                    | 1.2        | 15'           | MA<br>3    | M-2 (4)<br>B-2T | 2          | L FOUNDATION |  |  |
| B             | "A" 1033+93.0<br>20.9' RT<br>EL. 2409.53  | XX-A | 1                       | 65'                    | 1.4        | 15'           | MA<br>3    | M-2 (4)<br>B-2T |            | SEE NOTE 16  |  |  |
| C             | "A" 1033+80.1<br>117.2' LT<br>EL. 2408.29 | XX-A | 4                       | 55'                    | 4.3        | 15'           | MA<br>3    | M-2 (3)<br>B-2T |            | L FOUNDATION |  |  |
| D             | "A" 1032+76.2<br>110.4' LT<br>EL. 2411.24 | XX-A | 3                       | 65'                    | 2.3        | 15'           | MA<br>1    | M-2 (3)<br>B-2T |            | SEE NOTE 16  |  |  |

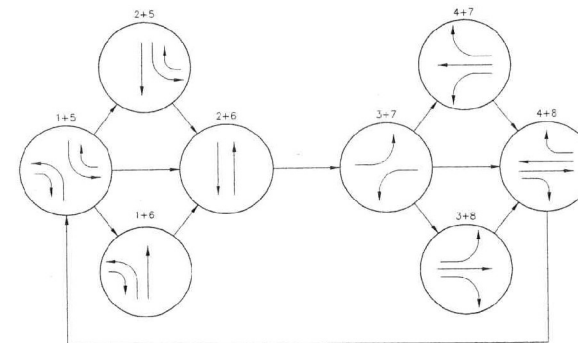


# TRAFFIC SIGNAL NOTES (CONTINUED)

- TRAFFIC SIGNAL POLES SHALL BE WIRED WITH #14 AWG COPPER.
- FOUNDATIONS FOR TRAFFIC SIGNAL POLES WITH MAST ARMS EXCEEDING 60 FEET SHALL BE DESIGNED BY THE POLE MANUFACTURER. EACH POLE AND FOUNDATIONS SHALL BE DESIGNED FOR THE SPECIFIC INTENDED LOCATION. THE STRUCTURAL INTEGRITY OF THE SIGNAL POLE ASSEMBLY AND FOUNDATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL SUPPLY A DESIGN WET STAMPED BY A STRUCTURAL ENGINEER.
- TRAFFIC CONTROLLERS TO BE REPLACED OR RESET SHALL BE CHANGED OUT BETWEEN THE HOURS OF 12 MIDNIGHT AND 6 A.M. ON SUNDAY. A COPW TRAFFIC SIGNAL TECHNICIAN SHALL BE PRESENT DURING CHANGE OVER.
- METAL POLES, CONDUITS, PULL BOXES, JUNCTION BOXES AND METAL FRAMES SHALL BE EFFECTIVELY GROUNDED PER NEC.
- MUTCD R3-4 SIGNS SHALL BE 24"x24".

# PHASE DIAGRAM

FLASHING OPERATION ALL RED  
OPTICOM - PHASE 2,4,6,8



ØOLA=1+4  
ØOLB=5+8

NEW SHEET ISSUED

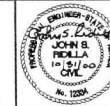
| CONDUIT AND WIRE SCHEDULE                                                             |                  |                  |                    |        |        |        |        |        |        |        |   |
|---------------------------------------------------------------------------------------|------------------|------------------|--------------------|--------|--------|--------|--------|--------|--------|--------|---|
| WIRE AND CABLE                                                                        | FROM             | TO               | VIA CONDUIT        |        |        |        |        |        |        |        |   |
|                                                                                       |                  |                  | 1                  | 2      | 3      | 4      | 5      | 6      | 7      | 8      | 9 |
| 3 #3/0 AWG THW                                                                        | NPC TRANSFORMER  | SERVICE PEDESTAL | SEE LIGHTING PLANS |        |        |        |        |        |        |        |   |
| 4 #2, 1 #8                                                                            | SERVICE PEDESTAL | CONTROLLER       | X                  |        |        |        |        |        |        |        |   |
| 25 #14 CABLE<br>3 #18 5/0 COB<br>8281 COAX<br>2 #10, 1 #8                             | CONTROLLER       | POLE A           |                    | X      |        |        |        |        |        |        |   |
| 25 #14 CABLE<br>3 #18 5/0 COB<br>8281 COAX<br>2 #10, 1 #8                             | CONTROLLER       | POLE B           |                    |        | X      |        |        |        |        |        |   |
| 25 #14 CABLE<br>3 #18 5/0 COB<br>8281 COAX<br>2 #10, 1 #8                             | CONTROLLER       | POLE C           |                    |        |        | X      |        |        |        |        |   |
| 25 #14 CABLE<br>2 EA 3 #18 5/0 COB<br>2 EA 8281 COAX<br>2 #10, 1 #8<br>2 PAIR #1E TWP | CONTROLLER       | POLE D           |                    |        |        |        | X      |        |        |        |   |
| EMER. VEHICLE<br>PRF-EMPT. CABLE                                                      | CONTROLLER       | POLE A           |                    |        |        |        |        | X      |        |        |   |
| EMER. VEHICLE<br>PRE-EMPT. CABLE                                                      | CONTROLLER       | POLE B           |                    |        |        |        |        |        | X      |        |   |
| NO. & SIZE OF CONDUIT                                                                 |                  |                  | 1-4"               | 1-3/4" | 1-3/4" | 1-3/4" | 1-3/4" | 1-3/4" | 1-3/4" | 1-3/4" |   |

3/4/03, 5/21/03, 7/16/03, 12-12-00 9:34:33 am EST VIEW: PLT-5138

| REV. NO. | DATE     | DESCRIPTION    | APPROVED |
|----------|----------|----------------|----------|
| 1        | 11/08/03 | ADDENDUM No. 3 | JSR      |
| 2        | 11/23/03 | ADDENDUM No. 2 | JSR      |

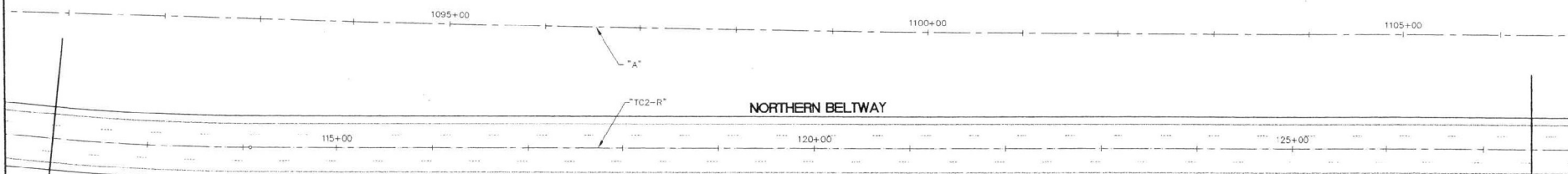


WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES  
TRAFFIC SIGNAL SCHEDULE  
NORTHERN BELTWAY AND "FRE1"  
CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS



|                                                   |                |             |             |
|---------------------------------------------------|----------------|-------------|-------------|
| PROJECT No: P10 643558                            | DRAWN BY: JDS  | SCALE       | L-1631      |
| DESIGNED BY: RSW                                  | CHECKED BY: MM | HORIZ: NONE | DRAWING NO. |
| APPROVED BY: JSR                                  |                | VERT: NONE  | SG-5        |
| PARSONS TRANSPORTATION GROUP<br>LAS VEGAS, NEVADA |                | FIELD BOOK  | SHT. OF     |

NORTH



MATCH LINE  
"TC2-R" 112+00  
SHEET T-10

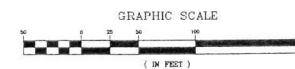
MATCH LINE  
"TC2-R" 127+50  
SHEET T-12

## GENERAL NOTES

1. NO TRAFFIC SIGNS THIS SHEET.



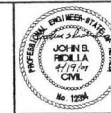
SHEET REISSUED

ISSUE FOR  
CONSTRUCTION

| REV. NO. | DATE    | DESCRIPTION                | APPROVED |
|----------|---------|----------------------------|----------|
| 1        | 4/11/01 | INITIAL BELTWAY DEPRESSION | JRN      |



**WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES**  
**PERMANENT SIGNING PLAN**  
**"TC2-R" 112+00 to "TC2-R" 127+50**  
**CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS**



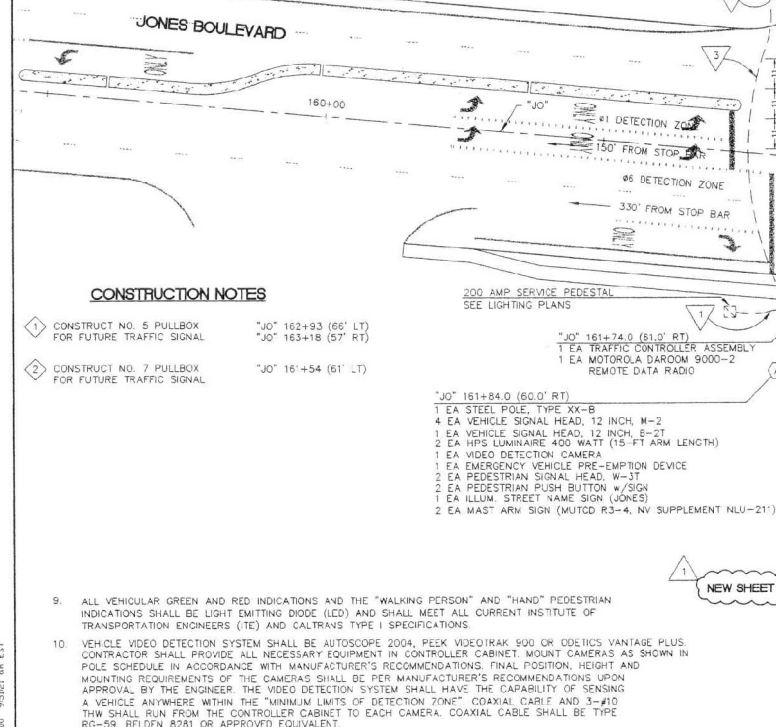
PROJECT No: PTC 643558 DRAWN BY: KFN  
 DESIGNED BY: KFN CHECKED BY: RSM  
 APPROVED BY: JRN  
**PARSONS TRANSPORTATION GROUP**  
 840 GREEN DRIVE, SUITE 340  
 LAS VEGAS, NEVADA 89119  
 PHONE (702) 435-2116  
 FAX (702) 435-6412

| SCALE         | L-1631      |
|---------------|-------------|
| HORIZ: 1"=50' | DRAWING NO. |
| VERT: N/A     | T-11        |
| FIELD BOOK    | SHT. OF     |



- TRAFFIC SIGNAL NOTES**
- SEE SHEET G-3 FOR GENERAL NOTES.
  - NEW PULLBOXES SHALL BE NO. 5 UNLESS NOTED.
  - CONDUIT ROUTING AND PULLBOX LOCATION ARE SCHEMATIC FOR THE PURPOSE OF CLARITY AND MAY DIFFER FROM ACTUAL INSTALLATION. FINAL LOCATION OF PULLBOXES SHALL BE DETERMINED IN THE FIELD. PULLBOXES SHALL NOT BE INSTALLED IN SIDEWALK RAMP.
  - SIGNAL CABLE SHALL CONFORM TO I.M.S.A. #10-1 OR #20-1. ALL CABLE SHALL BE RUN FROM TERMINAL TO TERMINAL WITHOUT SPLICING.
  - CONTRACTOR SHALL PROVIDE 200 AMP SERVICE PEDESTAL PER THE LIGHTING PLANS IN THIS CONTACT.
  - EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED AND NOT RELOCATED SHALL BE SALVAGED BY THE CONTRACTOR AND DELIVERED TO CLARK COUNTY TRAFFIC OPERATIONS, 5821 E. FLAMINGO ROAD.
  - POLE ASSEMBLIES, BASE COVERS, AND LUMINAIRE BRACKETS SHALL BE HOT DIP GALVANIZED IN CONFORMANCE WITH ASTM A123 AND SHALL NOT BE PAINTED. CLARK COUNTY RESERVES THE RIGHT TO REJECT SIGNAL POLES AND ASSEMBLIES WHICH HAVE A "STRIPED" APPEARANCE.
  - INTERSECTION LUMINAIRES TO BE 400 WATT HPS WITH M-C-H DISTRIBUTION WITH 120 VOLT MAGNETIC REGULATOR AND INTEGRAL PHOTOELECTRIC CONTROLS (C.E. #M4RC405IM2GMC3 OR EQUIVALENT). NO POWER DOORS.

\*"JO" 161+54.0 (61.0' LT)  
 1 EA STEEL POLE, TYPE XX-A  
 4 EA VEHICLE SIGNAL HEAD, 12 INCH, M-2  
 1 EA VEHICLE SIGNAL HEAD, 12 INCH, B-2T  
 2 EA HPS LUMINAIRE 400 WATT (15-FT ARM LENGTH)  
 1 EA VIDEO DETECTION CAMERA  
 1 EA PEDESTRIAN SIGNAL HEAD, W-1T  
 1 EA PEDESTRIAN PUSH BUTTON w/SIGN  
 1 EA ILLUM. STREET NAME SIGN (JONES)  
 2 EA MAST ARM SIGN (MUTCD R3-4, NV SUPPLEMENT NLU-211)



**CONSTRUCTION NOTES**

- CONSTRUCT NO. 5 PULLBOX FOR FUTURE TRAFFIC SIGNAL
- CONSTRUCT NO. 7 PULLBOX FOR FUTURE TRAFFIC SIGNAL

\*"JO" 162+93 (66' LT)  
 \*"JO" 163+18 (57' RT)  
 \*"JO" 161+54 (61' LT)

\*"JO" 161+74.0 (61.0' RT)  
 1 EA TRAFFIC CONTROLLER ASSEMBLY  
 1 EA MOTOROLA DARCOM 9000-2 REMOTE DATA RADIO  
 \*"JO" 161+84.0 (60.0' RT)  
 1 EA STEEL POLE, TYPE XX-B  
 4 EA VEHICLE SIGNAL HEAD, 12 INCH, M-2  
 1 EA VEHICLE SIGNAL HEAD, 12 INCH, B-2T  
 2 EA HPS LUMINAIRE 400 WATT (15-FT ARM LENGTH)  
 1 EA VIDEO DETECTION CAMERA  
 1 EA EMERGENCY VEHICLE PRE-EMPTION DEVICE  
 2 EA PEDESTRIAN SIGNAL HEAD, W-3T  
 2 EA PEDESTRIAN PUSH BUTTON w/SIGN  
 1 EA ILLUM. STREET NAME SIGN (JONES)  
 2 EA MAST ARM SIGN (MUTCD R3-4, NV SUPPLEMENT NLU-211)

- CONTRACTOR SHALL PROVIDE AND INSTALL A EAGLE 2070N CONTROLLER IN COUNTY SUPPLIED CABINET ON CONTRACTOR FURNISHED FOUNDATION. CONTRACTOR SHALL DELIVER CONTROLLER TO LVACTS TWO (2) WEEKS PRIOR TO INSTALLATION. CONTRACTOR SHALL CONTACT CLARK COUNTY (455-7544) FOR DELIVERY OF CONTROLLER. CONTRACTOR SHALL PICKUP CABINET AT CLARK COUNTY 5821 E. FLAMINGO ROAD. CONTRACTOR SHALL FURNISH AND INSTALL REMOTE DATA RADIO UNIT (MOTOROLA DARCOM 9000-2 OR APPROVED EQUIVALENT) INCLUDING ANTENNA PER MANUFACTURER'S RECOMMENDATIONS.
- CONTRACTOR SHALL PROVIDE AND INSTALL FOUR (4) 8-FOOT DOUBLE FACED ILLUMINATED STREET NAME SIGNS PER STD. DWG. NO. 404-616 AND 404-417 ON POLES "A", "B", "C" AND "D". SIGN FACES SHALL HAVE CLASS 5 OR 6 DIAMOND GRADE SHEETING WITH UPPER CASE LETTERING. SEE TABLE FOR SIGN LEGENDS. THE STREET NAME SIGNS SHALL BE WIRED TO THE LUMINAIRE PHOTO CELL ON EACH POLE.
- MODEL 722 (TWC-WAY) OPTICOM DETECTORS SHALL BE MOUNTED ON TOP OF LEFT MOST SIGNAL HEAD ON THE WEST ARMS OF POLES "A" AND "D". THE CONTROLLER SHALL BE EQUIPPED FOR OPTICOM PRE-EMPTION USING A MODEL 752 PHASE SELECTOR. MODEL 138 OPTICOM DETECTOR CABLE SHALL BE RUN FROM THE CONTROLLER TO THE OPTIC DETECTOR AS SHOWN IN THE CONDUIT AND WIRE SCHEDULE.
- PEDESTRIAN PUSH BUTTONS SHALL MEET THE AMERICANS WITH DISABILITY ACT (ADA) ACCESSIBILITY GUIDELINES AND BE INSTALLED ON THE POLE AT A HEIGHT BETWEEN 36 AND 42 INCHES FROM FINISHED GRADE.

TRAFFIC SIGNAL NOTES CONTINUED NEXT SHEET

\*"JO" 162+93.0 (66.0' LT)  
 1 EA STEEL POLE, TYPE XX-B  
 4 EA VEHICLE SIGNAL HEAD, 12 INCH, M-2  
 1 EA VEHICLE SIGNAL HEAD, 12 INCH, B-2T  
 2 EA HPS LUMINAIRE 400 WATT (15-FT ARM LENGTH)  
 1 EA VIDEO DETECTION CAMERA  
 1 EA MOTOROLA DARCOM 9000-2 REMOTE DATA RADIO ANTENNA  
 1 EA PEDESTRIAN SIGNAL HEAD, W-1T  
 1 EA PEDESTRIAN PUSH BUTTON w/SIGN  
 1 EA ILLUM. STREET NAME SIGN (JONES)  
 2 EA MAST ARM SIGN (MUTCD R3-4, NV SUPPLEMENT NLU-211)

| SIGN SCHEDULE |                                         |
|---------------|-----------------------------------------|
| POLE          | INTERNALLY ILLUMINATED STREET NAME SIGN |
| (A)           | JONES                                   |
| (B)           | 215                                     |
| (C)           | JONES                                   |
| (D)           | 215                                     |

SEE USDOCA DWGS NO. 404-417 AND 404-420. BLOCK NUMBER SIGN TO BE CENTERED ON ILLUMINATED STREET NAME SIGN.  
 8" SIGN PANEL  
 SMALL TEXT (DIRECTION AND BLOCK NUMBER) IS 5" SERIES C. LARGE TEXT (STREET NAME) IS 8" SERIES D FOR UPPER CASE.

**NORTH**

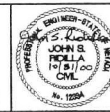


ISSUE FOR CONSTRUCTION

| REV. NO. | DATE     | DESCRIPTION    | APPROVED |
|----------|----------|----------------|----------|
| 1        | 10/31/00 | ADDITION NO. 2 | JSR      |



**WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES**  
**TRAFFIC SIGNAL PLAN**  
**NORTHERN BELTWAY AND JONES BOULEVARD**  
**CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS**



|                                                                                                                                            |                |
|--------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| PROJECT NO: PTC 843558                                                                                                                     | DRAWN BY: JDS  |
| DESIGNED BY: RSM                                                                                                                           | CHECKED BY: MM |
| APPROVED BY: JSR                                                                                                                           |                |
| <b>PARSONS TRANSPORTATION GROUP</b><br>400 GRIER DRIVE, SUITE 300<br>LAS VEGAS, NEVADA 89115<br>PHONE (702) 438-1115<br>FAX (702) 438-8412 |                |

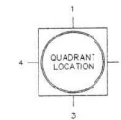
| SCALE         | L-1631      |
|---------------|-------------|
| HORIZ: 1"=20' | DRAWING NO. |
| VERT: NONE    | SG-6        |
| FIELD BOOK    | SHT. OF     |



| POLE SCHEDULE |                                          |      |                  |        |                |        |               |                 |       |           |               |              |       |             |             |         |
|---------------|------------------------------------------|------|------------------|--------|----------------|--------|---------------|-----------------|-------|-----------|---------------|--------------|-------|-------------|-------------|---------|
| NO.           | STATION - ELEV                           | TYPE | POLE             |        |                |        | SIGNALS (MHS) |                 |       |           | SIGNALS (PED) |              |       |             | PUSH BUTTON | REMARKS |
|               |                                          |      | SIGNAL ARM QUAD. | LENGTH | LUM. ARM QUAD. | LENGTH | QUAD.         | TYPE            | QUAD. | TYPE      | QUAD.         | TYPE         | QUAD. | TYPE        |             |         |
| A             | *J0" 161+84.0<br>60.0' RT<br>EL. 2311.36 | XX-A | 2                | 65'    | 1,2            | 15'    | MA<br>4       | W-2 (4)<br>B-2T | 3     | W-3T<br>1 | 2             | LT<br>RT     |       | SEE NOTE 16 |             |         |
| B             | *J0" 161+60.0<br>62.0' LT<br>EL. 2311.23 | XX-A | 3                | 60'    | 2,3            | 15'    | MA<br>1       | W-2 (4)<br>B-2T | 1     | W-1T<br>2 | LT            | L FOUNDATION |       |             |             |         |
| C             | *J0" 162+98.0<br>61.0' LT<br>EL. 2311.80 | XX-A | 4                | 65'    | 3,4            | 15'    | MA<br>2       | W-2 (4)<br>B-2T | 1     | W-1T<br>3 | RT            | SEE NOTE 16  |       |             |             |         |
| D             | *J0" 163+21.0<br>60.0' RT<br>EL. 2312.11 | XX-A | 1                | 60'    | 4,1            | 15'    | MA<br>3       | W-2 (4)<br>B-2T | 3     | W-3T<br>4 | LT            | L FOUNDATION |       |             |             |         |

# TRAFFIC SIGNAL NOTES (CONTINUED)

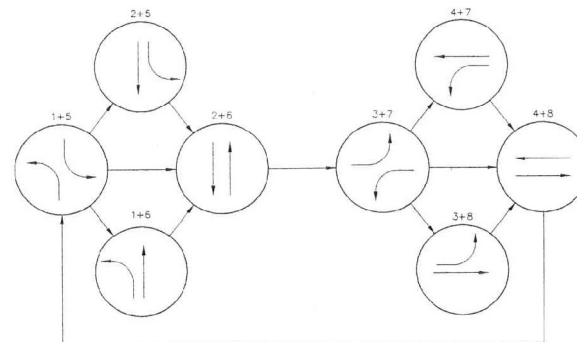
- TRAFFIC SIGNAL POLES SHALL BE WIRED WITH #14 AWG COPPER.
- FOUNDATIONS FOR TRAFFIC SIGNAL POLES WITH MAST ARMS EXCEEDING 60 FEET SHALL BE DESIGNED BY THE POLE MANUFACTURER. EACH POLE AND FOUNDATIONS SHALL BE DESIGNED FOR THE SPECIFIC INTENDED LOCATION. THE STRUCTURAL INTEGRITY OF THE SIGNAL POLE ASSEMBLY AND FOUNDATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL SUPPLY A DESIGN WET STAMPED BY A STRUCTURAL ENGINEER.
- TRAFFIC CONTROLLERS TO BE REPLACED OR RESET SHALL BE CHANGED OUT BETWEEN THE HOURS OF 12 MIDNIGHT AND 6 A.M. ON SUNDAY. A COPW TRAFFIC SIGNAL TECHNICIAN SHALL BE PRESENT DURING CHANGE OVER.
- METAL POLES, CONDUITS, PULL BOXES, JUNCTION BOXES AND METAL FRAMES SHALL BE EFFECTIVELY GROUNDED PER NEC.
- MUTCD R3-4 SIGNS SHALL BE 24"x24".



ARM OR SIGNAL LOCATION  
(TOP VIEW)

# PHASE DIAGRAM

FLASHING OPERATION ALL RED  
OPTICOM - PHASE 2,4,6,8



NEW SHEET ISSUED

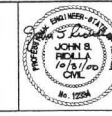
| CONDUIT AND WIRE SCHEDULE                                                             |                  |                  |                    |              |              |              |              |              |              |              |
|---------------------------------------------------------------------------------------|------------------|------------------|--------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| WIRE AND CABLE                                                                        | FROM             | TO               | VIA CONDUIT        |              |              |              |              |              |              |              |
|                                                                                       |                  |                  | 1                  | 2            | 3            | 4            | 5            | 6            | 7            | 8            |
| 3 #3/0 AWG THW                                                                        | NPC TRANSFORMER  | SERVICE PEDESTAL | SEE LIGHTING PLANS |              |              |              |              |              |              |              |
| 4 #2, 1 #8                                                                            | SERVICE PEDESTAL | CONTROLLER       | X                  |              |              |              |              |              |              |              |
| 25 #14 CABLE<br>3 #6 S/O CORD<br>8281 COAX<br>2 #10, 1 #8                             | CONTROLLER       | POLE A           |                    | X            |              |              |              |              |              |              |
| 25 #14 CABLE<br>3 #6 S/O CORD<br>8281 COAX<br>2 #10, 1 #8                             | CONTROLLER       | POLE B           |                    |              | X            |              |              |              |              |              |
| 25 #14 CABLE<br>3 #6 S/O CORD<br>8281 COAX<br>2 #10, 1 #8                             | CONTROLLER       | POLE C           |                    |              |              | X            |              |              |              |              |
| 25 #14 CABLE<br>2 EA 3 #6 S/O CORD<br>2 EA 8281 COAX<br>2 #10, 1 #8<br>2 PAIR #16 TWP | CONTROLLER       | POLE D           |                    |              |              |              | X            |              |              |              |
| EMER. VEHICLE<br>WNS-EMPT. CABLE                                                      | CONTROLLER       | POLE A           |                    | X            |              |              |              |              |              |              |
| EMER. VEHICLE<br>RGE-EMPT. CABLE                                                      | CONTROLLER       | POLE D           |                    |              |              |              |              | X            |              |              |
| NO. & SIZE OF CONDUIT                                                                 |                  |                  | 1-4"               | 1-3"<br>1-2" | 2-3"<br>2-2" | 1-3"<br>2-2" | 1-3"<br>2-2" | 1-5"<br>1-2" | 2-3"<br>2-2" | 1-3"<br>1-2" |

55852\_SCH-JONES.dwg 12-12-00 9:47:58 am E:\VIEW PLT-SYSB

| REV. | NO.      | DATE | DESCRIPTION    | APPROVED |
|------|----------|------|----------------|----------|
| 1    | 10/31/00 |      | ADDENDUM NO. 2 | JSR      |



WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES  
TRAFFIC SIGNAL SCHEDULE  
NORTHERN BELTWAY AND JONES  
CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS



|                                                                                                     |                 |
|-----------------------------------------------------------------------------------------------------|-----------------|
| PROJECT NO: PTO 843558                                                                              | DRAWN BY: JDS   |
| DESIGNED BY: RSM                                                                                    | CHECKED BY: JWS |
| APPROVED BY: JSR                                                                                    |                 |
| <b>PARSONS TRANSPORTATION GROUP</b><br>LAS VEGAS, NEVADA                                            |                 |
| 840 ORRER DRIVE, SUITE 340<br>LAS VEGAS, NEVADA 89119<br>PHONE (702) 436-0116<br>FAX (702) 436-8412 |                 |

|             |  |                        |  |
|-------------|--|------------------------|--|
| SCALE       |  | ISSUE FOR CONSTRUCTION |  |
| HORIZ: NONE |  | L-1631                 |  |
| VERT: NONE  |  | DRAWING NO.            |  |
| FIELD BOOK  |  | SG-7                   |  |
|             |  | SHT. OF                |  |

WB/NB EL CAPITAN WAY TO JONES BOULEVARD

NORTH

CONSTRUCTION NOTES

1 CONSTRUCT ~~NO. 5~~ NO. 6 PULLBOX FOR FUTURE TRAFFIC SIGNAL

"FRE2" 47+00 (43' RT)  
"FRE2" 45+76 (43' RT)  
"FRE1" 42+06 (76' RT)  
"FRE1" 42+29 (50' LT)

2 BORING AND CONDUIT (TWO 3-INCH)

"FRE1" 38+63 (50' LT) TO  
"FRE1" 42+29 (50' LT)  
"FRE1" 42+29 (50' LT) TO  
"FRE2" 47+00 (43' RT)  
"FRE2" 47+00 (43' RT) TO  
"FRE2" 45+76 (43' RT)  
"FRE2" 45+76 (43' RT) TO  
"FRE1" 42+06 (76' RT)  
"FRE1" 42+06 (76' RT) TO  
"FRE1" 42+29 (50' LT)

3 BORING AND CONDUIT (TWO 2-INCH)

"FRE1" 38+63 (50' LT) TO  
"FRE1" 42+29 (50' LT)  
"FRE1" 42+29 (50' LT) TO  
"FRE2" 47+00 (43' RT)  
"FRE2" 47+00 (43' RT) TO  
"FRE2" 45+76 (43' RT)  
"FRE2" 45+76 (43' RT) TO  
"FRE1" 42+06 (76' RT)  
"FRE1" 42+06 (76' RT) TO  
"FRE1" 42+29 (50' LT)

4 INSTALL TWO 3-INCH CONDUITS

"FRE1" 38+63 (50' LT) TO  
"FRE1" 42+29 (50' LT)  
"FRE1" 42+29 (50' LT) TO  
"FRE2" 47+00 (43' RT)  
"FRE2" 47+00 (43' RT) TO  
"FRE2" 45+76 (43' RT)  
"FRE2" 45+76 (43' RT) TO  
"FRE1" 42+06 (76' RT)  
"FRE1" 42+06 (76' RT) TO  
"FRE1" 42+29 (50' LT)

EXTEND CONDUIT TO PULLBOX  
SEE SHEET SG-4

"FRE1"

FRONTAGE ROAD EAST

FUTURE IMPROVEMENT BY DEVELOPER

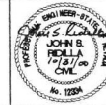
NEW SHEET ISSUED

GRAPHIC SCALE

( IN FEET )



WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES  
TRAFFIC SIGNAL UNDERGROUNDS  
FRONTAGE ROAD EAST  
CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS



PROJECT NO: P12 643558 DRAWN BY: RSM  
DESIGNED BY: RSM CHECKED BY: JRM  
APPROVED BY: JSP  
PARSONS TRANSPORTATION GROUP  
LAS VEGAS, NEVADA  
840 GRIER DRIVE, SUITE 340  
LAS VEGAS, NEVADA 89119  
PHONE (702) 438-2119  
FAX (702) 438-8411

ISSUE FOR CONSTRUCTION

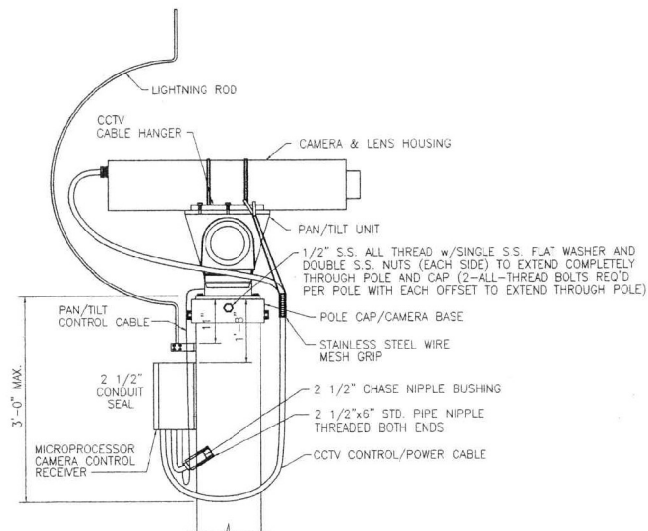
SCALE  
HORIZ: 1"=20'  
VERT: NONE  
FIELD BOOK  
SHEET OF

L-1631

DRAWING NO.

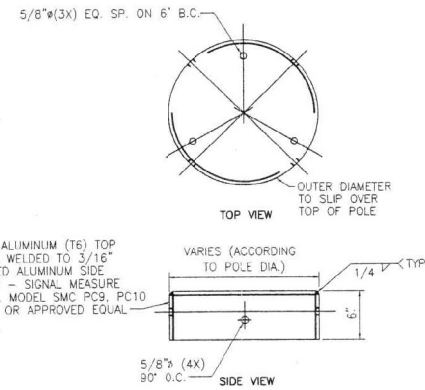
SG-8

SHEET OF

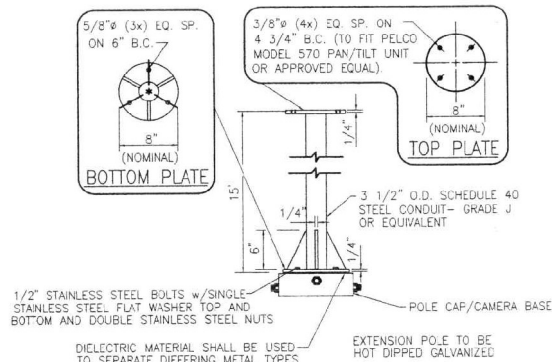


THE 2 1/2\" STD. PIPE NIPPLE AND AIR TERMINAL SUPPORT BAR SHALL BE MOUNTED ON THE SAME SIDE OF THE POLE.

**CCTV CAMERA POLE  
TYPICAL INSTALLATION DETAIL**



**EXTENSION POLE CAP DETAIL**



**VIDEO CAMERA EXTENSION POLE DETAIL**

**GENERAL NOTE**

THESE DETAILS APPLY TO THE FOLLOWING POLES/INTERSECTIONS:

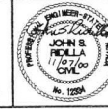
- POLE B/WESTERN BELTWAY AND "FRW"/"ES-C" (SG-2)
- POLE D/NORTHERN BELTWAY AND "FRE-1" (SG-4)
- POLE D/NORTHERN BELTWAY AND JONES BLVD. (SG-6)

NEW SHEET ISSUED  
ISSUE FOR CONSTRUCTION

| REV. NO. | DATE     | DESCRIPTION | APPROVED |
|----------|----------|-------------|----------|
| 1        | 11/08/00 | ADDENDUM #3 | JSE      |



**WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES  
VIDEO SURVEILLANCE CAMERA  
INSTALLATION DETAILS**  
CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS



|                                                   |                                                                                                     |             |             |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------|-------------|
| PROJECT No: PTO 843558                            | DRAWN BY: RSM                                                                                       | SCALE:      | L-1631      |
| DESIGNED BY: RSM                                  | CHECKED BY: ZDA                                                                                     | HORIZ: NONE | DRAWING NO. |
| APPROVED BY: JSE                                  |                                                                                                     | VERT: NONE  | SG-9        |
| PARSONS TRANSPORTATION GROUP<br>LAS VEGAS, NEVADA | 840 ORRER DRIVE, SUITE 340<br>LAS VEGAS, NEVADA 89115<br>PHONE (702) 432-2118<br>FAX (702) 432-5422 | FIELD BOOK: | SHT. OF     |

- 1) ALL ADJUSTMENTS TO LIGHTING POLE LOCATIONS WILL BE ALLOWED FOR OTHER CONSTRUCTION ITEMS, UTILITIES AND RIGHT-OF-WAY LIMITATIONS AS APPROVED BY THE ENGINEER.
- 2) CONTRACTOR SHALL VERIFY THAT POLE LOCATIONS ARE WITHIN THE HIGH-OFF-WAY PRIOR TO INSTALLATION.
- 3) ALL JOINTING POLES SHALL BE INSTALLED WITH BREAKAWAY BASES IF NOT PER-LED BONDING OR NON VERTICAL CURB OR BREAKAWAY.
- 4) ALL BREATHING WIRE AND CONDUIT SHALL BE 1/2" - 1 1/2" UNLESS NOTED OTHERWISE. ALL JOINTING SHALL BE COPPER WITH THE INSULATION JOINTING POLES SHALL BE ARMED WITH 4 AWG COPPER.
- 5) ALL 1 X 80S ARE NO. 5 UNLESS NOTED OTHERWISE.
- 6) ALL 2 JOINT SHALL BE INSTALLED BEHIND CURB OR UNPAVED 24" BELOW GRADE MINIMUM.
- 7) ALL 3 PRE-LIGHT INSTALLATIONS SHOWN ON THE LIGHTING PLANS SHALL CONFORM TO THE COPR OR MOST STANDARD SPECIFICATIONS, LATEST ADDITIONS, AS APPLICABLE.
- 8) STEEL LIGHTING LUMINAIRES SHALL BE 4 C. MISC-25 5 3/4" X 1/4" X 1/4" C-MISC OR APPROVED EQUIV. UNLESS NOTED OTHERWISE ON LIGHTING SCHEDULE.
- 9) UNCH-DOWN LUMINAIRES SHALL BE 6 POLYCARBONATE 1/2" X 1/2" X 1/2" OR 7 IPS OR APPROV. EQUIV. UNLESS NOTED OTHERWISE.
- 10) 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 <

[illegible]

1. MEI® MEUGQ-M200-LVK, PACIFIC UTILITY PRODUCTS USP-LV-M200-112C, OR APPROVED EQUAL. (SEE PANEL SCHEDULES)

|  |                                                    |
|--|----------------------------------------------------|
|  | X = POLE NO.<br>CIRCUIT NO.                        |
|  | X = UNDERDECK LUMINAIRE NO.<br>CIRCUIT NO.         |
|  | Z = CONDUIT RUN NUMBER                             |
|  | NEW LUMINAIRE & POLE                               |
|  | NEW PULLBOX                                        |
|  | NPIC MANHOLE                                       |
|  | NEW POWER POLE BY<br>NEVADA POWER COMPANY          |
|  | NEW CONDUIT                                        |
|  | NEW LIGHTING CONTROL CABINET                       |
|  | PAD MOUNTED TRANSFORMER BY<br>NEVADA POWER COMPANY |
|  | PAD MOUNTED SERVICE PEDESTAL                       |
|  | EXISTING LUMINAIRE & POLE TO<br>GC RESET           |
|  | EXISTING LUMINAIRE & POLE                          |
|  | EXISTING LUMINAIRE                                 |
|  | EXISTING PULLBOX                                   |
|  | EXISTING JUNCTION BOX (A)<br>IN MEDIAN BARRIER     |
|  | EXISTING NEVADA POWER POLE                         |
|  | EXISTING CONDUIT                                   |
|  | NEW TYPE "L" UNDERDECK LUMINAIRE                   |
|  | JUNCTION BOX FOR UNDERDECK<br>LUMINAIRE            |
|  | JUNCTION BOX IN BRIDGE FALL                        |

| OVERHEAD SIGN AND LIGHTING POLE SCHEDULE                         |                                                                 |            |       |                   |              |
|------------------------------------------------------------------|-----------------------------------------------------------------|------------|-------|-------------------|--------------|
| Copyright, 2000 by J. J. van der Kamp, Consulting Engineers Inc. |                                                                 |            |       |                   |              |
| POLE #                                                           | POLE TYPE                                                       | ARM LENGTH | ORCAT | NO. OF LUMINAIRES | WATTS / CIRC |
| 1                                                                | CLARK COUNTY<br>TYPE "A"<br>EL 22-67<br>OFFSET 70'              | 15'        | 32-1  | 2                 | 400W         |
| 2                                                                | 76A<br>CLARK COUNTY<br>TYPE "C"<br>EL 21-67<br>OFFSET 70'       | 15'        | 32-1  | 1                 | 400W         |
| 3                                                                | CLARK COUNTY<br>TYPE "C"<br>EL 21-67<br>OFFSET 70'              | 15'        | 32-1  | 1                 | 400W         |
| 4                                                                | CONTINENTAL<br>CENTER<br>DORADO<br>TYPE "A"<br>76A<br>101-34-28 | 10'        | 33-1  | 2                 | 250W         |
| 5                                                                | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 6                                                                | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 7                                                                | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 8                                                                | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 9                                                                | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 10                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 11                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 12                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 13                                                               | CENTINIAL<br>CENTRAL<br>TYPE "A"<br>76A<br>101-34-28            | 10'        | 33-1  | 2                 | 250W         |
| 14                                                               | CENTINIAL<br>CENTRAL<br>TYPE "A"<br>76A<br>101-34-28            | 10'        | 33-1  | 2                 | 250W         |
| 15                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 16                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 17                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 18                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 19                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 20                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 21                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 22                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 23                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 24                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 25                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 26                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 27                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 28                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 29                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 30                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 31                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 32                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 33                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 34                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 35                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 36                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 37                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 38                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 39                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 40                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 41                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 42                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 43                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 44                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 45                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 46                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 47                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 48                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 49                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 50                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 51                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 52                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 53                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 54                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 55                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 56                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 57                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 58                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 59                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 60                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 61                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 62                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 63                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 64                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 65                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 66                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 67                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 68                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 69                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 70                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 71                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 72                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 73                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 74                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 75                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 76                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 77                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 78                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 79                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 80                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 81                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 82                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 83                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 84                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 85                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 86                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 87                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 88                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 89                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 90                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 91                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 92                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 93                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 94                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 95                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 96                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 97                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 98                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 99                                                               | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |
| 100                                                              | 76A<br>101-34-28                                                | 8'         | EXIST | 1                 | 250W         |



1 SHEET REISSUED

### LEGEND

CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS

00091/LEGEND

LLV

TOM KROB

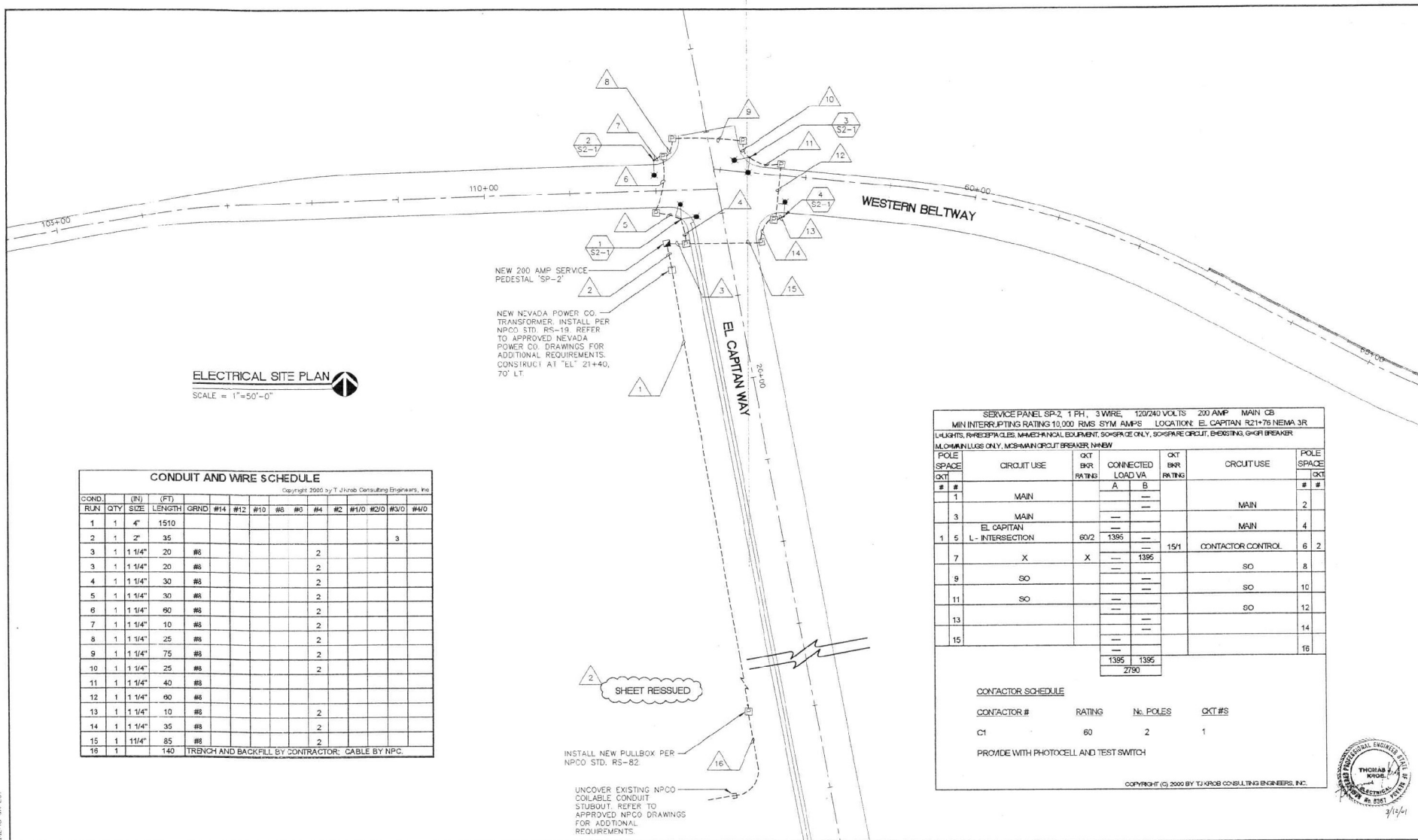
PARSONS  
TRANSPORTATION  
GROUP

1-0

| REV. NO. | DATE     | DESCRIPTION                   |
|----------|----------|-------------------------------|
|          | 2/21/01  | REVISIONS DURING CONSTRUCTION |
|          | 11/8/00  | ADDENDUM NO. 3                |
|          | 10/31/00 | ADDENDUM NO. 2                |

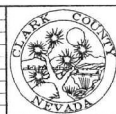
TM  
APPROVED





508-LL\_P.dwg 3-3-01 11:02:46 am EST

| REV. NO. | DATE     | DESCRIPTION                   | APPROVED |
|----------|----------|-------------------------------|----------|
| 1        | 2/21/01  | REVISIONS DURING CONSTRUCTION | TJK      |
| 2        | 11/31/01 | ADDENDUM NO. 2                | TJK      |



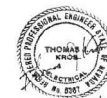
**WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES**  
**STREET LIGHT PLAN - EL CAPITAN**  
CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS

**TJ KROB CONSULTING ENGINEERS, INC.**  
7151 CASCADE VALLEY COURT  
SUITE 200  
LAS VEGAS, NEVADA 89128  
(702) 871-8010  
ELECTRICAL ENGINEERING

PROJECT No: 00091/EL-CAP DRAWN BY: PTC  
DESIGNED BY: WK CHECKED BY: TOM KROB  
APPROVED BY: \_\_\_\_\_  
**PARSONS TRANSPORTATION GROUP**  
LAS VEGAS, NEVADA  
840 BREA DRIVE, SUITE 140  
LAS VEGAS, NEVADA 89119  
PHONE (702) 435-2116  
FAX (702) 435-8412

SCALE  
HORIZ: 1"=50'-0"  
VERT:  
FIELD BOOK  
DRAWING NO. L-1631  
L-1  
SHT. OF





12/11

1 SHEET REISSUED

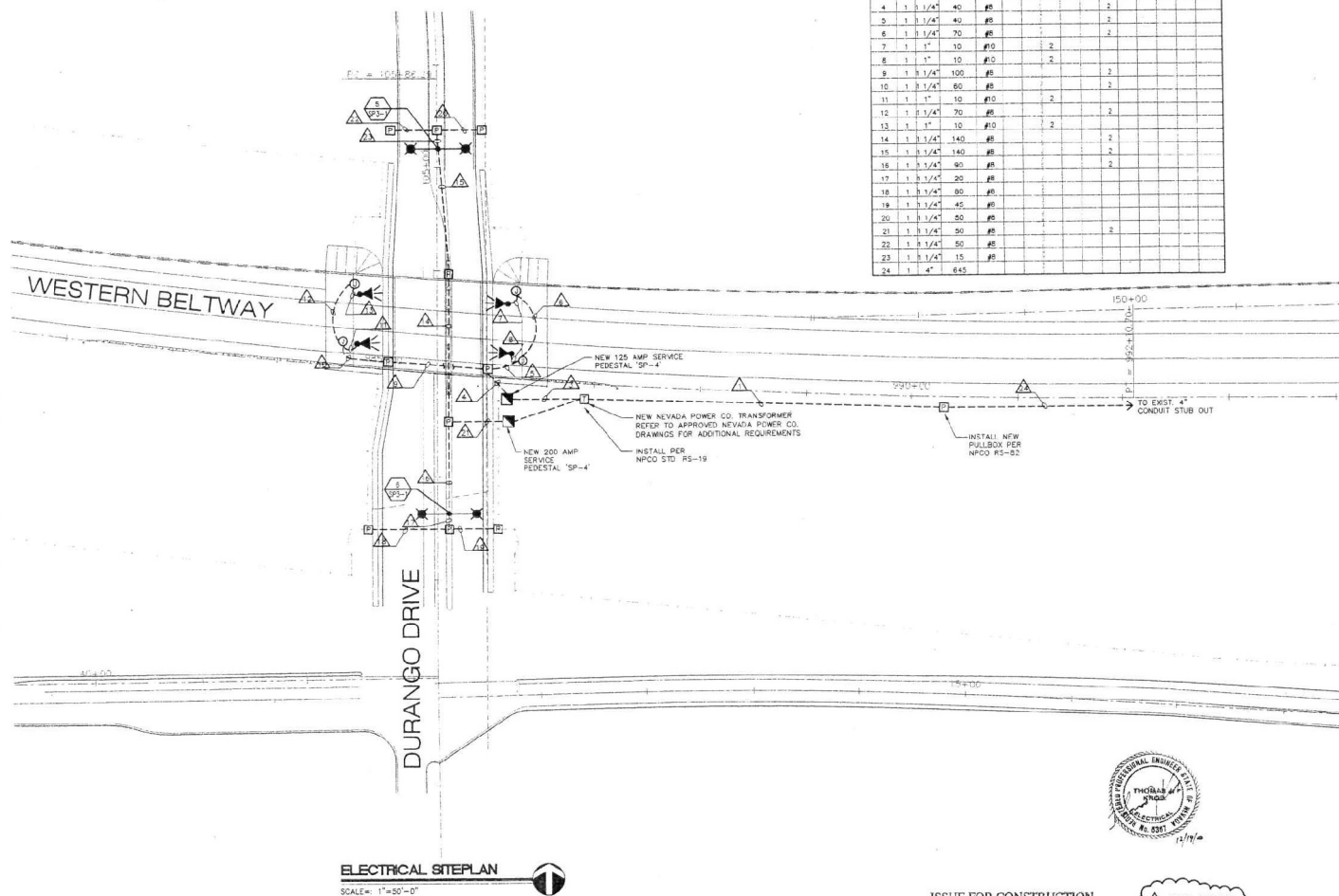
**TJKROB** CONSULTING  
ENGINEERS, INC.  
7151 CASCADE VALLEY COURT, SUITE 200  
LAS VEGAS, NEVADA 89128  
(702) 871-2621  
ELECTRICAL ENGINEERING

|                  |             |
|------------------|-------------|
| SCALE            | DRAWING NO. |
| HORIZ: 1"=50'-0" |             |
| VERT:            | L-1         |
| FIELD BROW:      |             |
|                  | SHT. OF     |

|                                                                                                           |        |             |               |                  |                   |    |
|-----------------------------------------------------------------------------------------------------------|--------|-------------|---------------|------------------|-------------------|----|
| SERV PANEL SP-3, 1 PH                                                                                     |        | 1 WIRE      | 120/240 VOLTS | 200 AMP          | MAIN CB           |    |
| MIN INTERRUPTING RATING 15,000 RMS SYM AMP                                                                |        | SYM AMP     | LOCATION      | DURANGO 102 - 70 | NEMA 3F           |    |
| 1. WIRING, INTERLOCKED, IMMEDIATELY EQUIPMENT DISCONNECTED DUE TO SC-PHASE CIRCUIT, EXISTING, 5-01 MEMBER |        |             |               |                  |                   |    |
| 2. DURANGO 102 ONLY, 100 AMP CIRCUIT BREAKER, 100A                                                        |        |             |               |                  |                   |    |
| POL                                                                                                       | SP-3   | CIRCUIT USE | CBT           | SP-3             | POL               |    |
| SP-3                                                                                                      | RATING | COMPONENT   | LOAD VA       | CBT              | RATING            |    |
| SP-3                                                                                                      | RATING | LOAD VA     | CBT           | RATING           | SP-3              |    |
| 1                                                                                                         | 2      | MAIN        | A             | B                | 1                 |    |
| 3                                                                                                         | MAIN   |             |               |                  | 2                 |    |
| 1                                                                                                         | 5      | DURANGO     | 49/2          | 600              | MAIN              | 4  |
| 7                                                                                                         | X      | X           | 200           | 15/1             | CONTACTOR CONTROL | 6  |
| 9                                                                                                         | SO     |             |               |                  | SO                | 8  |
| -1                                                                                                        | SO     | X           |               |                  | SO                | 10 |
| -13                                                                                                       |        |             |               |                  | SO                | 12 |
| 15                                                                                                        |        |             | 400           | 1400             |                   | 14 |
| CONTACTOR SCHEDULE                                                                                        |        |             |               |                  |                   |    |
| CONTACTOR #                                                                                               | RATING | NO. POLES   | CBT #2        |                  |                   |    |
| 1                                                                                                         | 60     | 2           | 1             |                  |                   |    |

PROVIDE WITH PHOTOCELL AND TEST SWITCH

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[illegible]

WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES  
STREET LIGHT PLAN - DURANGO  
CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS

**TJKROB** CONSULTING  
ENGINEERS, INC.  
7151 CASCADE VALLEY COURT SUITE 200  
LAS VEGAS, NEVADA 89128  
(702) 871-3621  
**ELECTRICAL ENGINEERING**

[illegible]



| SERVICE PANEL SP-1, 1 PH, 3 WIRE, 120/240 VOLTS, 200 AMP, MAIN CB                           |                           |        |                   |      |                     |            |     |                   |     |
|---------------------------------------------------------------------------------------------|---------------------------|--------|-------------------|------|---------------------|------------|-----|-------------------|-----|
| MAX INTERRUPTING RATING 22,000 RMS, 50 AMP, LOCATION: FRW 52+70, NEMA 3R                    |                           |        |                   |      |                     |            |     |                   |     |
| EQUIPMENT: WIRELESS, WIRELESS, EQUIPMENT: 50-SPARE ONLY, 50-SPARE GROUT, EXISTING, 50-SPARE |                           |        |                   |      |                     |            |     |                   |     |
| MECHANICAL USE ONLY, NO-MAN GROUT BREAKER, NAME                                             |                           |        |                   |      |                     |            |     |                   |     |
| POLE SPACE                                                                                  | CIRCUIT USE               | QTY    | CONNECTED LOAD VA | QTY  | CIRCUIT USE         | POLE SPACE | QTY | CONNECTED LOAD VA | QTY |
| 1                                                                                           | 2                         | 3      | 4                 | 5    | 6                   | 7          | 8   | 9                 | 10  |
| 1                                                                                           | E-MAIN                    |        |                   |      | E-MIN               | 2          |     |                   |     |
| 3                                                                                           | E-MAIN                    |        |                   |      | E-MIN               | 4          |     |                   |     |
| 1, 5, 1                                                                                     | E-CENTRAL PKWY            | 60/2   | 1730              |      | E-NORTH SIDE        | 6, 2       |     |                   |     |
| 3, 7                                                                                        | E-SOUTH SIDE              | X      | 1730              | 60/2 | E-CENTRAL PKWY      | 6, 2       |     |                   |     |
| 4, 9                                                                                        | SEE TRAFFIC DRAWINGS      | X      | 2020              | X    | K                   | 8, 4       |     |                   |     |
| 6, 9                                                                                        | SIGNAL CONTROLLER         | **60/1 | 4800              |      |                     | 10, 6      |     |                   |     |
| 7, 11                                                                                       | SEE TRAFFIC DRAWINGS      | 200    |                   | 15/1 | E-CONTACTOR CONTROL | 10, 6      |     |                   |     |
| 11                                                                                          | INTERSECTION LIGHTS       | **30/1 | 1800              |      | SC                  | 12, 8      |     |                   |     |
| 8, 13                                                                                       | E-INTERMEDIATE            | 20/1   | 720               |      | SC                  | 14, 10     |     |                   |     |
| 11, 15                                                                                      | E-LIGHTED SIGNS           | 20/1   | 1900              |      | SC                  | 16, 12     |     |                   |     |
|                                                                                             | EXISTING SERVICE PEDESTAL |        | 11340             | 5640 |                     |            |     |                   |     |
|                                                                                             | REPLACE EXIST. 60/2       |        | 17000             |      |                     |            |     |                   |     |

CONDUCTOR SCHEDULE

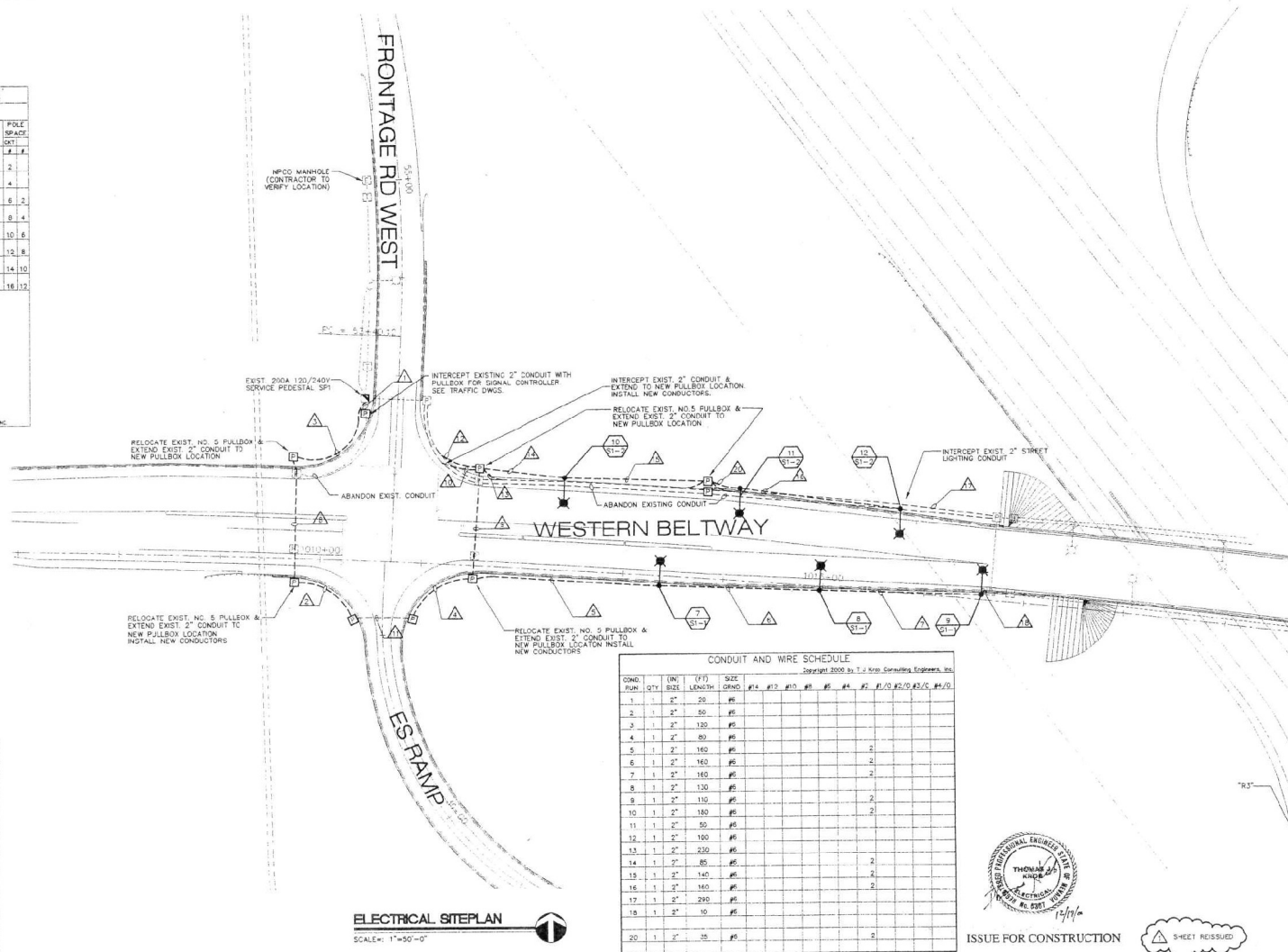
| CONDUCTOR # | RATING | NO. POLES | QTY #S             |
|-------------|--------|-----------|--------------------|
| C1          | 60     | 4         | 1, 2               |
| C2          | 60     | 2         | ABANDONED IN PLACE |
| C3          | 60     | 2         | 9                  |

PROVIDE WITH PHOTOCELL AND TEST SWITCH

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| STREETLIGHT CIRCUIT CAPACITY VERIFICATION |                   |      |            |
|-------------------------------------------|-------------------|------|------------|
| CIRCUIT: S1-1                             |                   |      |            |
| Existing Service Point Capacity           | =                 | 60   | AMPS       |
| Maximum Allowable Draw (.80 x 60 AMPS)    | =                 | 48   | AMPS       |
| Existing Circuit Load (2 @ 250 Watts)     | =                 | 4    | AMPS       |
| Proposed Luminaire Load to Circuit        |                   |      |            |
| (A)                                       | 100 Watts @ 0.5   | AMPS | = 0 AMPS   |
| (B)                                       | 150 Watts @ 0.6   | AMPS | = 0 AMPS   |
| (C)                                       | 3,250 Watts @ 1.3 | AMPS | = 3.9 AMPS |
| (D)                                       | 400 Watts @ 1.9   | AMPS | = 0 AMPS   |
|                                           | TOTAL             |      | = 3.9 AMPS |
| Existing Plus Proposed Load               | =                 | 7.9  | AMPS       |
| Remaining Available Load                  | =                 | 40.1 | AMPS       |

| STREETLIGHT CIRCUIT CAPACITY VERIFICATION |                   |      |            |
|-------------------------------------------|-------------------|------|------------|
| CIRCUIT: S1-2                             |                   |      |            |
| Existing Service Point Capacity           | =                 | 60   | AMPS       |
| Maximum Allowable Draw (.80 x 60 AMPS)    | =                 | 48   | AMPS       |
| Existing Circuit Load (7 @ 250 Watts)     | =                 | 9    | AMPS       |
| Proposed Luminaire Load to Circuit        |                   |      |            |
| (A)                                       | 100 Watts @ 0.5   | AMPS | = 0 AMPS   |
| (B)                                       | 150 Watts @ 0.6   | AMPS | = 0 AMPS   |
| (C)                                       | 3,250 Watts @ 1.3 | AMPS | = 3.9 AMPS |
| (D)                                       | 400 Watts @ 1.9   | AMPS | = 0 AMPS   |
|                                           | TOTAL             |      | = 3.9 AMPS |
| Existing Plus Proposed Load               | =                 | 12.9 | AMPS       |
| Remaining Available Load                  | =                 | 35.1 | AMPS       |



ELECTRICAL SITEPLAN

SCALE= 1"=50'-0"

WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES  
STREET LIGHT PLAN - FRP  
CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS

TJ KROB CONSULTING ENGINEERS, INC.  
7100 GARDEN VALLEY COURT SUITE 200  
LAS VEGAS, NEVADA 89130  
(702) 871-3821  
ELECTRICAL ENGINEERING

PROJECT NO. 00091 / FRP  
DESIGNED BY: WK  
CHECKED BY: TOM KROB  
APPROVED BY: \_\_\_\_\_  
PARSONS TRANSPORTATION GROUP  
LAS VEGAS, NEVADA

SHEET NO. 1  
DATE: 10/31/00  
DESCRIPTION: ADDENDUM NO. 2  
APPROVED: TJK



ISSUE FOR CONSTRUCTION

SHEET REISSUED

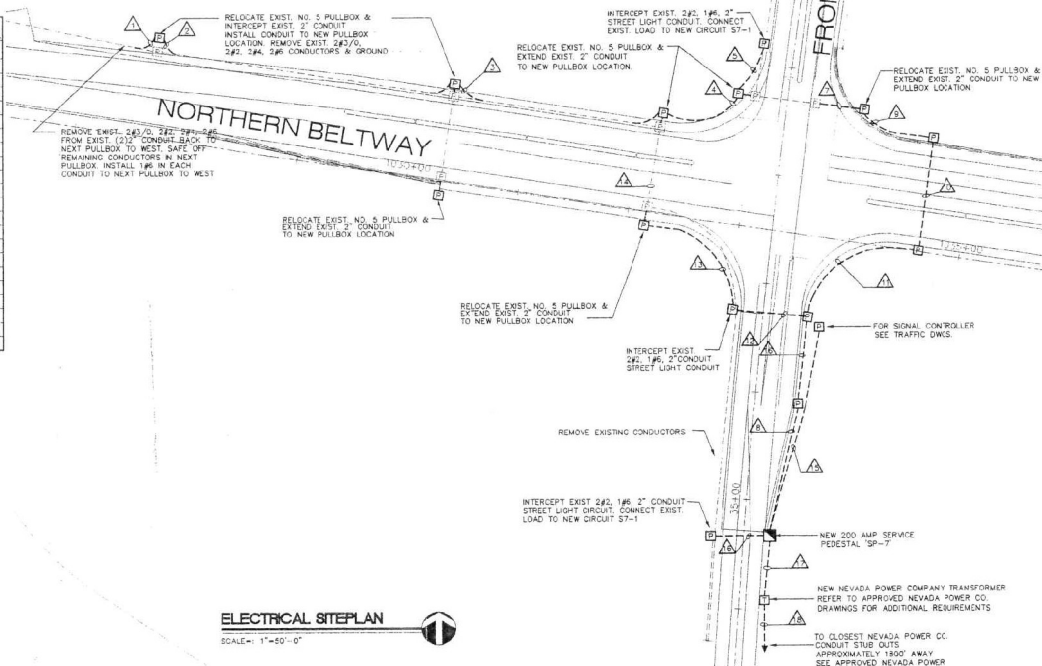
|                                                                                                       |                      |        |           |        |                       |             |  |  |  |
|-------------------------------------------------------------------------------------------------------|----------------------|--------|-----------|--------|-----------------------|-------------|--|--|--|
| SERVICE PANEL SP-7, 1 PH., 3 WIRE, 120/240 VOLTS, 200 AMP, MAIN CB                                    |                      |        |           |        |                       |             |  |  |  |
| MIN INTERRUPTING RATING 10,000 RMS SYM AMPS LOCATION PRE 30-70 NEMA 3R                                |                      |        |           |        |                       |             |  |  |  |
| L=NEUTRAL, W=GROUND, B=MECHANICAL EQUIPMENT, BW=BASE ONLY, SW=SPARE CIRCUIT, L=EXTERNAL, G=DISCONNECT |                      |        |           |        |                       |             |  |  |  |
| M=MAIN LUGS ONLY, W=MAIN DISCONNECT BREAKER NUMBER                                                    |                      |        |           |        |                       |             |  |  |  |
| PANEL SPACE                                                                                           | CIRCUIT USE          | QNT    | CONNECTED | QNT    | CIRCUIT USE           | PANEL SPACE |  |  |  |
| EXT                                                                                                   |                      | RATING | LOAD VA   | RATING |                       | EXT         |  |  |  |
| 1                                                                                                     | MAIN                 |        | A         |        | MAIN                  | 1           |  |  |  |
| 2                                                                                                     | MAIN                 |        | B         |        | MAIN                  | 2           |  |  |  |
| 3                                                                                                     | MAIN                 |        |           |        | MAIN                  | 3           |  |  |  |
| 4                                                                                                     | MAIN                 |        |           |        | MAIN                  | 4           |  |  |  |
| 5                                                                                                     | L FRONTAGE ROAD EAST | 60/2   | 350       | 15/1   | F-CONTRACTOR CONTROL  | 5           |  |  |  |
| 6                                                                                                     |                      |        |           |        | -SEE TRAFFIC DWGS     | 6           |  |  |  |
| 7                                                                                                     | X                    | X      | 300       | 60/1   | F-SIGNAL CONTROLLER   | 7           |  |  |  |
| 8                                                                                                     | SD                   |        | 1600      | 30/1   | F-INTERSECTION LIGHTS | 8           |  |  |  |
| 9                                                                                                     | SD                   |        |           |        |                       | 9           |  |  |  |
| 10                                                                                                    | SD                   |        |           |        |                       | 10          |  |  |  |
| 11                                                                                                    | SD                   |        |           |        |                       | 11          |  |  |  |
| 12                                                                                                    | SD                   |        |           |        |                       | 12          |  |  |  |
| 13                                                                                                    | SD                   |        |           |        |                       | 13          |  |  |  |
| 14                                                                                                    | SD                   |        |           |        |                       | 14          |  |  |  |
| 15                                                                                                    | SD                   |        |           |        |                       | 15          |  |  |  |
|                                                                                                       |                      |        | 7500      |        |                       |             |  |  |  |
|                                                                                                       |                      |        | 8200      |        |                       |             |  |  |  |
| CONTRACTOR SCHEDULE                                                                                   |                      |        |           |        |                       |             |  |  |  |
| CONTRACTOR #                                                                                          |                      | RATING | NO. POLES | QNT #S |                       |             |  |  |  |
| C1                                                                                                    |                      | 60     | 2         | 1      |                       |             |  |  |  |

#### CONTRACTOR SCHEDULE

| CONTRACTOR # | RATING | NO. POLES | QNT #S |
|--------------|--------|-----------|--------|
| C1           | 60     | 2         | 1      |

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| CONDUIT AND WIRE SCHEDULE                             |     |      |        |      |     |      |        |      |     |
|-------------------------------------------------------|-----|------|--------|------|-----|------|--------|------|-----|
| Copyright 2005 By T J Krob Consulting Engineers, Inc. |     |      |        |      |     |      |        |      |     |
| CONG                                                  | QTY | SIZE | LENGTH | SIZE | QTY | SIZE | LENGTH | SIZE | QTY |
| NO.                                                   |     |      |        |      |     |      |        |      |     |
| 1                                                     | 2   | 2"   | 250    | #5   |     |      |        |      |     |
| 2                                                     | 2   | 2"   | 250    | #5   |     |      |        |      |     |
| 3                                                     | 2   | 2"   | 190    | #5   |     |      |        |      |     |
| 4                                                     | 1   | 2"   | 90     | #5   |     |      |        |      |     |
| 5                                                     | 1   | 2"   | 70     | #5   |     |      |        |      |     |
| 6                                                     | 1   | 2"   | 55     | #5   |     |      |        |      |     |
| 7                                                     | 1   | 2"   | 110    | #5   |     |      |        |      |     |
| 8                                                     | 1   | 2"   | 110    | #5   |     |      |        |      |     |
| 9                                                     | 1   | 2"   | 50     | #5   |     |      |        |      |     |
| 10                                                    | 1   | 2"   | 125    | #5   |     |      |        |      |     |
| 11                                                    | 1   | 2"   | 120    | #5   |     |      |        |      |     |
| 12                                                    | 1   | 2"   | 70     | #5   |     |      |        |      |     |
| 13                                                    | 1   | 2"   | 120    | #5   |     |      |        |      |     |
| 14                                                    | 1   | 2"   | 120    | #5   |     |      |        |      |     |
| 15                                                    | 1   | 2"   | 130    | #5   |     |      |        |      |     |
| 16                                                    | 1   | 2"   | 60     | #5   |     |      |        |      |     |
| 17                                                    | 1   | 2"   | 40     | #5   |     |      |        |      |     |
| 18                                                    | 2   | 6"   | 1800   |      |     |      |        |      |     |



#### ELECTRICAL SITEPLAN

SCALE= 1"=50'-0"

WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES

STREET LIGHT PLAN - FRE

CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS

**TJ KROB** CONSULTING ENGINEERS, INC.  
7351 LAS VEGAS VALLEY COURT SUITE 200  
LAS VEGAS, NEVADA 89113  
(702) 871-2621

PROJECT NO. 00091/FRE DRAWN BY: LLV  
DESIGNED BY: MK CHECKED BY: TOM KROB  
APPROVED BY: \_\_\_\_\_  
DATE: 11/17/00  
11/17/00 UPDATE DUE TO NPDG DWGS  
10/31/00 ADDENDUM NO. 2  
REV. NO. DATE DESCRIPTION

ISSUE FOR CONSTRUCTION



11/17/00  
SHEET REISSUED

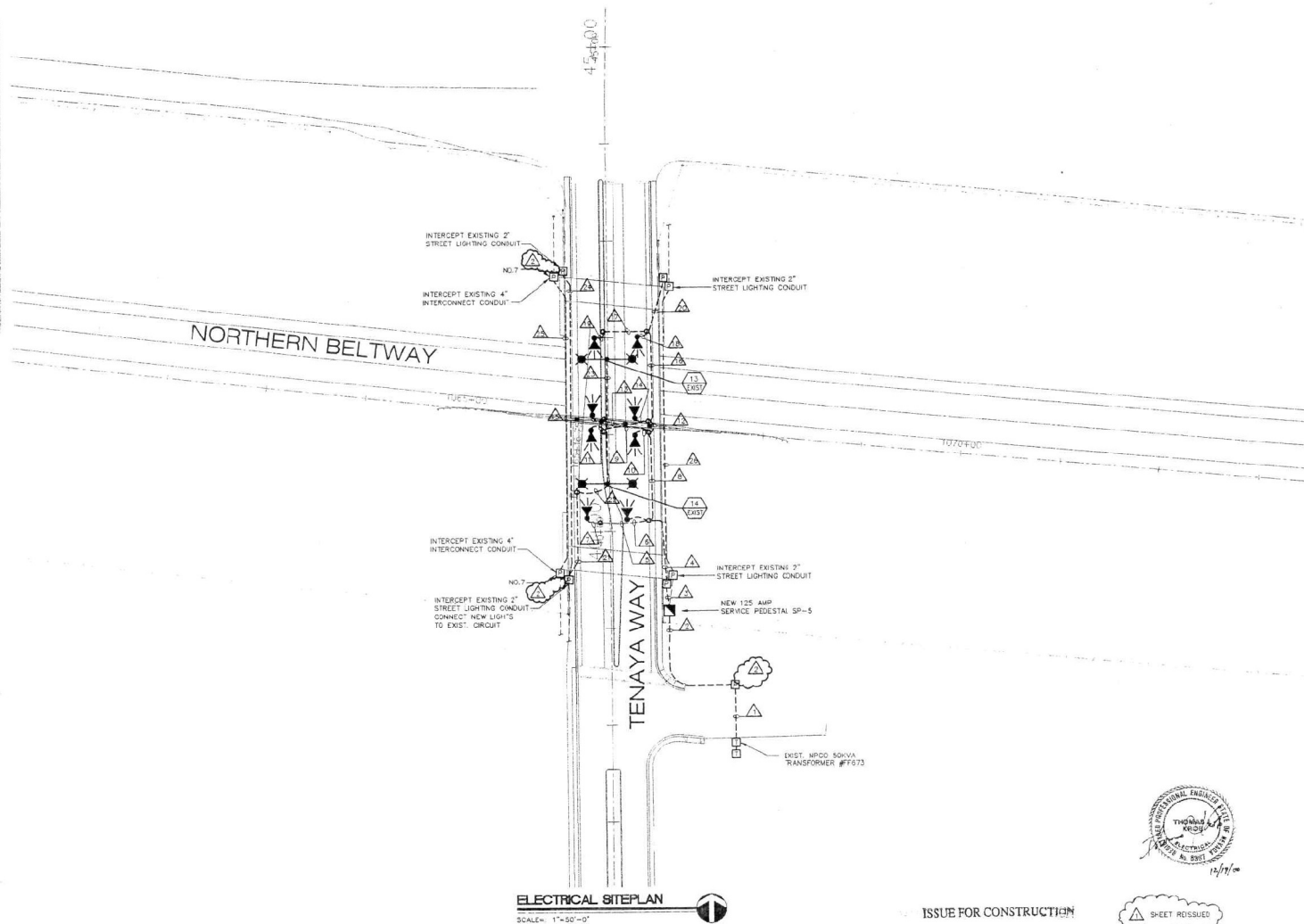
SCALE  
HORIZ. 1"=50'-0"  
VERT.  
FIELD BOOK  
DRAWING NO.  
L-4  
SHEET

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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| SERVICE PANEL SP-5, 1 PH, 3 WIRE, 120/240 VOLTS, 125 AMP, MAIN CB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| MIN INTERRUPTING RATING 10,000 RMS SYM AMPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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| <u>STREETLIGHT CIRCUIT CAPACITY VERIFICATION</u>                 |     |      |      |      |      |
|------------------------------------------------------------------|-----|------|------|------|------|
| CIRCUIT: SERVICE PEDESTAL, NW CORNER OF AZURE DR. AND TENAYA WAY |     |      |      |      |      |
| Existing Service Point Capacity                                  | =   | 60   | AMPS |      |      |
| Maximum Allowable Draw (.80 x 60 AMPS)                           | =   | 48   | AMPS |      |      |
| Existing Circuit Load                                            | =   | 37   | AMPS |      |      |
| Proposed Luminaire Load to Circuit                               |     |      |      |      |      |
| (A) 100 Watts @                                                  | 0.6 | AMPS | =    | 0    | AMPS |
| (B) 150 Watts @                                                  | 0.9 | AMPS | =    | 0    | AMPS |
| (C) 4 250 Watts @                                                | 1.3 | AMPS | =    | 5.2  | AMPS |
| (D) 400 Watts @                                                  | 1.9 | AMPS | =    | 0    | AMPS |
| TOTAL                                                            |     |      | =    | 5.2  | AMPS |
| Existing Plus Proposed Load                                      |     |      |      |      |      |
|                                                                  |     |      | =    | 42.2 | AMPS |
| Remaining Available Load                                         |     |      | =    | 5.8  | AMPS |

| CONDUIT AND WIRE SCHEDULE                              |     |        |        |      |     |     |     |    |    |
|--------------------------------------------------------|-----|--------|--------|------|-----|-----|-----|----|----|
| Copyright 2005 by T.J. Krob Consulting Engineers, Inc. |     |        |        |      |     |     |     |    |    |
| CONDUIT<br>RUN                                         | QTY | SIZE   | LENGTH | GRND | #14 | #12 | #10 | #8 | #6 |
| 1                                                      | 1   | 2"     | 60     |      |     |     |     |    | 3  |
| 2                                                      | 1   | 2"     | 140    |      |     |     |     |    | 3  |
| 3                                                      | 1   | 1 1/4" | 25     | #8   |     |     |     |    | 2  |
| 4                                                      | 1   | 1 1/4" | 70     | #8   |     |     |     |    | 2  |
| 5                                                      | 1   | 1 1/4" | 50     | #8   |     |     |     |    | 2  |
| 6                                                      | 1   | 1"     | 30     | #10  |     |     | 2   |    |    |
| 7                                                      | 1   | 1"     | 10     | #10  |     |     | 2   |    |    |
| 8                                                      | 1   | 1 1/4" | 90     | #8   |     |     |     |    | 2  |
| 9                                                      | 1   | 1 1/4" | 50     | #8   |     |     |     |    | 2  |
| 10                                                     | 1   | 1"     | 30     | #10  |     |     | 2   |    |    |
| 11                                                     | 1   | 1"     | 10     | #10  |     |     | 2   |    |    |
| 12                                                     | 1   | 1 1/4" | 20     | #8   |     |     |     |    | 2  |
| 13                                                     | 1   | 1 1/4" | 50     | #8   |     |     |     |    | 2  |
| 14                                                     | 1   | 1"     | 30     | #10  |     |     | 2   |    |    |
| 15                                                     | 1   | 1"     | 10     | #10  |     |     | 2   |    |    |
| 16                                                     | 1   | 1 1/4" | 90     | #8   |     |     |     |    | 2  |
| 17                                                     | 1   | 1 1/4" | 50     | #8   |     |     |     |    | 2  |
| 18                                                     | 1   | 1"     | 30     | #10  |     |     | 2   |    |    |
| 19                                                     | 1   | 1"     | 10     | #10  |     |     | 2   |    |    |
| 20                                                     | 1   | 1 1/4" | 60     | #8   |     |     |     |    | 2  |
| 21                                                     | 1   | 1 1/4" | 90     | #8   |     |     |     |    | 2  |
| 22                                                     | 1   | 1 1/4" | 50     | #8   |     |     |     |    | 2  |
| 23                                                     | 1   | 1 1/4" | 130    | #8   |     |     |     |    | 2  |
| 24                                                     | 1   | 3"     | 330    | #8   |     |     |     |    | 2  |
| 25                                                     | 1   | 3"     | 330    | #8   |     |     |     |    | 2  |
| 26                                                     | 2   | 3"     | 330    | #8   |     |     |     |    | 2  |
| 27                                                     | 1   | 3"     | 330    | #8   |     |     |     |    | 2  |

| REV. NO. | DATE     | DESCRIPTION    | APPROVED |
|----------|----------|----------------|----------|
| 1        | 11/9/00  | ADDENDUM NO. 3 |          |
| 2        | 10/01/00 | ADDENDUM NO. 2 |          |
| 3        |          | DESCRIPTION    |          |



ELECTRICAL SITEPLAN  
SCALE: 1"=50'-0"



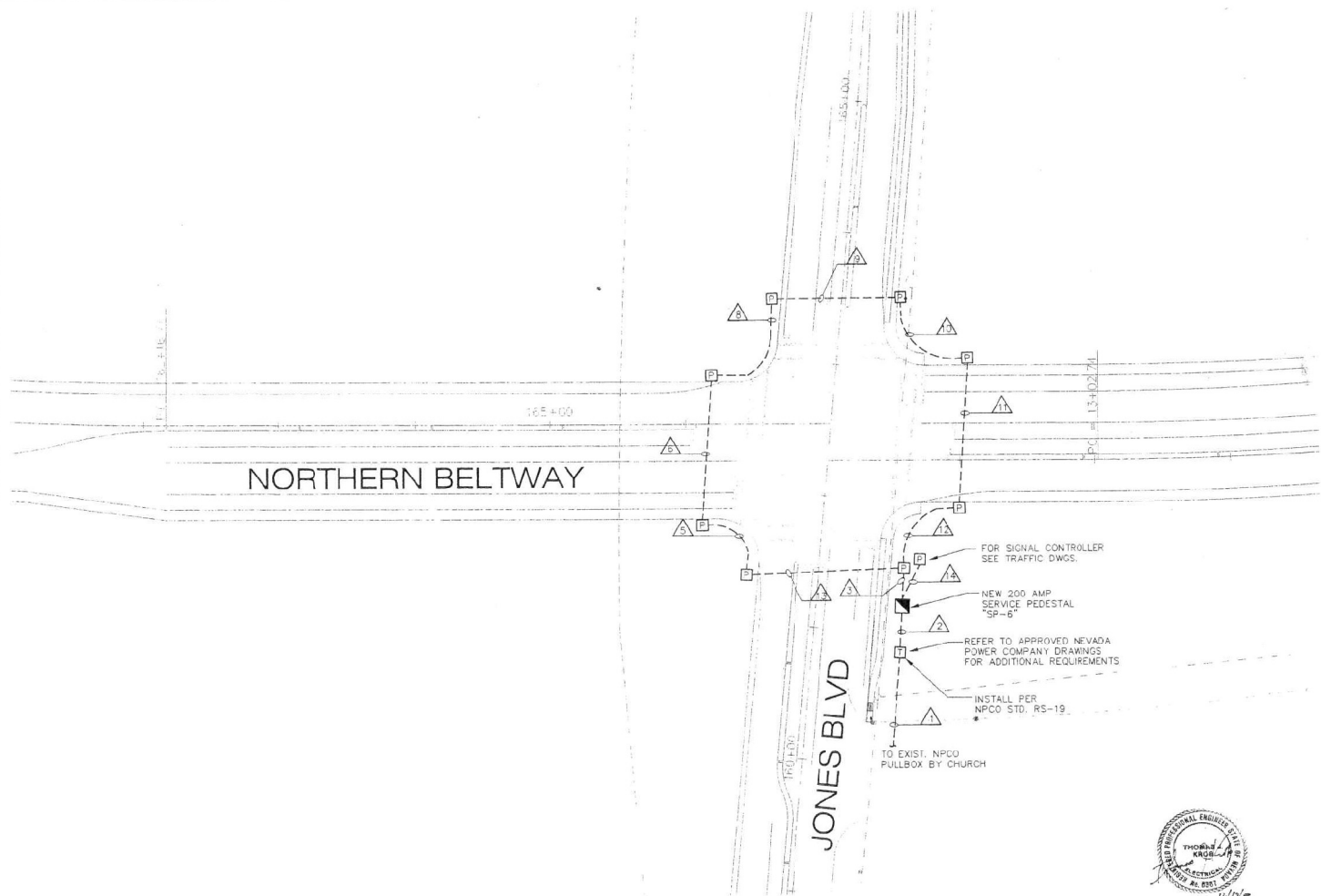
12/7/00  
SHEET REISSUED

WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES  
STREET LIGHT PLAN - TENAYA  
CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS

TJ KROB CONSULTING ENGINEERS, INC.  
310 LAS VEGAS BLVD. SUITE 200  
LAS VEGAS, NEVADA 89101  
(702) 451-1001  
ELECTRICAL ENGINEERING

PROJECT NO. 00091/TENAYA DRAWN BY: LLV  
DESIGNED BY: WK CHECKED BY: TOM KROB  
APPROVED BY:  
PARSONS TRANSPORTATION GROUP  
LAS VEGAS, NEVADA  
240 OGDEN DRIVE, SUITE 240  
2400 N. LAS VEGAS BLVD.  
PHOENIX, AZ 85016  
FAX (602) 451-1001

SCALE: 1"=50'-0"  
SHEET NO. L-5  
FIELD BY: CH  
DATE: 12/7/00

[illegible]

## ISSUE FOR CONSTRUCTION

 SHEET REISSUED

WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES  
STREET LIGHT PLAN - JONES  
CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS

**TJKROB CONSULTING ENGINEERS, INC.**  
7151 CASCADE VALLEY COURT SUITE 200  
LAS VEGAS, NEVADA 89129  
(702) 671-3621  
**ELECTRICAL ENGINEERING**

PROJECT No. 00091/JONES DRAWN BY: LLV  
DESIGNED BY: WK CHECKED BY: TOM KROE  
APPROVED BY: \_\_\_\_\_

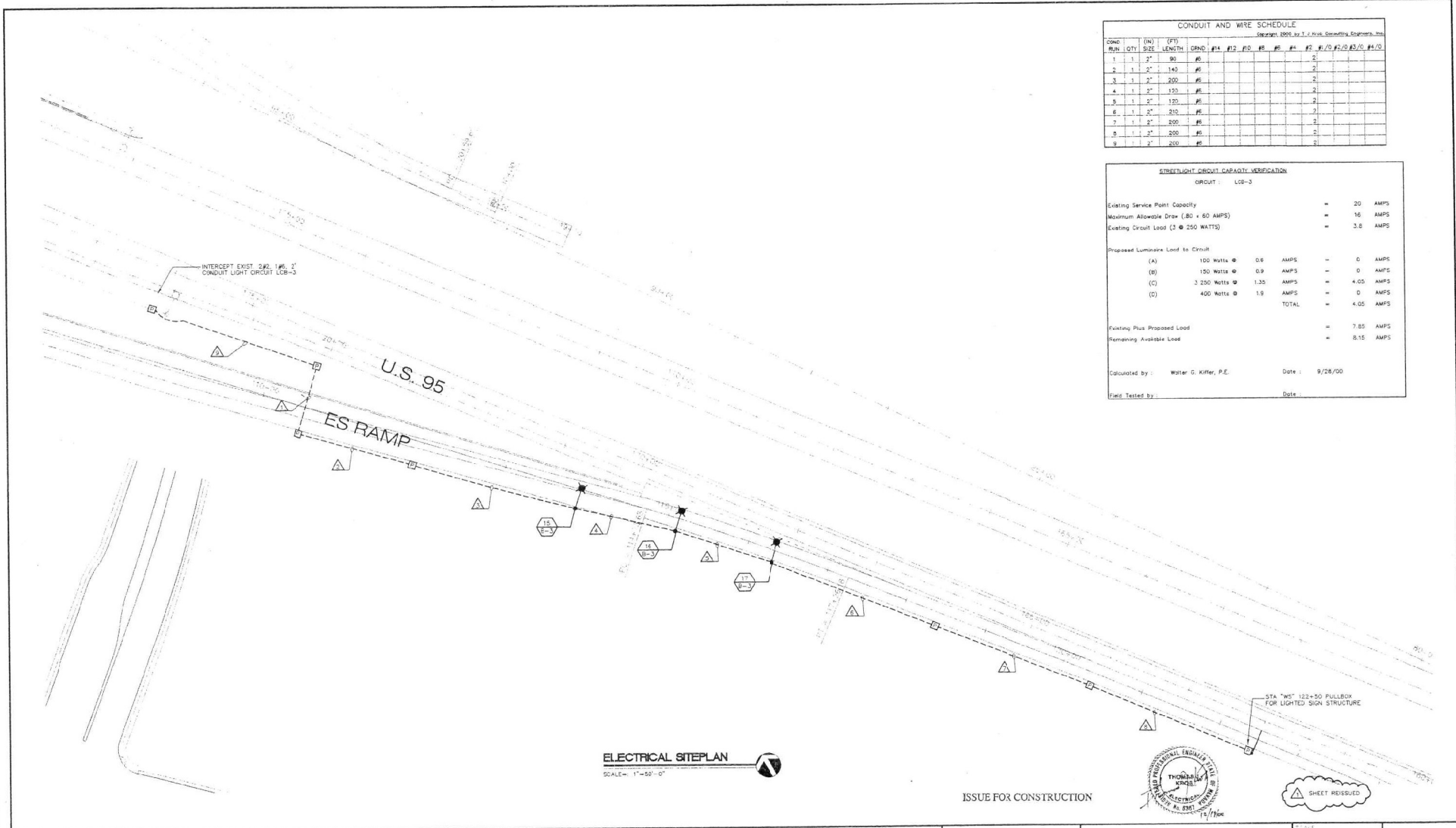
PARSONS  
TRANSPORTATION  
GROUP  
10000 LINDEN AVE  
DALLAS, TEXAS 75243  
TEL: (214) 435-6410

BAD CREDIT ADVISE THAT THE  
LAW OFFICES OF A. B. BENTLEY  
PHOTO (702) 435-6410  
FAX (702) 435-6410

|                 |  |               |
|-----------------|--|---------------|
| FIG. 1          |  |               |
| HORZ: 1"=50'-0" |  |               |
| VERT:           |  | DRAWING NO.   |
| FIG. 2          |  | L-6           |
|                 |  | DATE: 11-1-00 |

| CONDUIT AND WIRE SCHEDULE |     |      |        |          |    |    |    |    |    |    |    |    |
|---------------------------|-----|------|--------|----------|----|----|----|----|----|----|----|----|
| COND. NO.                 | QTY | SIZE | LENGTH | COND. #1 | #2 | #3 | #4 | #5 | #6 | #7 | #8 | #9 |
| 1                         | 1   | 2"   | 80     |          |    |    |    |    |    |    |    |    |
| 2                         | 1   | 2"   | 145    |          |    |    |    |    |    |    |    |    |
| 3                         | 1   | 2"   | 200    |          |    |    |    |    |    |    |    |    |
| 4                         | 1   | 2"   | 175    |          |    |    |    |    |    |    |    |    |
| 5                         | 1   | 2"   | 175    |          |    |    |    |    |    |    |    |    |
| 6                         | 1   | 2"   | 215    |          |    |    |    |    |    |    |    |    |
| 7                         | 1   | 2"   | 200    |          |    |    |    |    |    |    |    |    |
| 8                         | 1   | 2"   | 200    |          |    |    |    |    |    |    |    |    |
| 9                         | 1   | 2"   | 200    |          |    |    |    |    |    |    |    |    |

| STREETLIGHT CIRCUIT CAPACITY VERIFICATION          |             |
|----------------------------------------------------|-------------|
| CIRCUIT: LCB-3                                     |             |
| Existing Service Point Capacity                    | = 20 AMPS   |
| Maximum Allowable Draw (.80 x 60 AMPS)             | = 16 AMPS   |
| Existing Circuit Load (3 @ 250 WATTS)              | = 3.8 AMPS  |
| Proposed Luminaire Load to Circuit                 |             |
| (A) 100 Watts @ 0.8 AMPS                           | = 0.8 AMPS  |
| (B) 150 Watts @ 0.9 AMPS                           | = 0.9 AMPS  |
| (C) 3 250 Watts @ 1.33 AMPS                        | = 4.00 AMPS |
| (D) 400 Watts @ 1.9 AMPS                           | = 0.0 AMPS  |
| TOTAL                                              | = 4.00 AMPS |
| Existing Plus Proposed Load                        | = 7.85 AMPS |
| Remaining Available Load                           | = 8.15 AMPS |
| Calculated by: Walter G. Kifer, P.E. Date: 9/28/00 |             |
| Field Tested by: _____ Date: _____                 |             |



|                                                     |  |  |                         |  |                |
|-----------------------------------------------------|--|--|-------------------------|--|----------------|
| WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES |  |  | PROJECT NO. 00091/GORE1 |  | DATE: 10/10/00 |
| STREET LIGHT PLAN - GORE 1                          |  |  | DRAWN BY: LLV           |  | DATE: 10/10/00 |
| CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS    |  |  | CHECKED BY: TOM KROB    |  | DATE: 10/10/00 |
|                                                     |  |  | APPROVED BY: _____      |  | DATE: _____    |
|                                                     |  |  | PROJECT NO. 00091/GORE1 |  | DATE: 10/10/00 |
|                                                     |  |  | DRAWN BY: LLV           |  | DATE: 10/10/00 |
|                                                     |  |  | CHECKED BY: TOM KROB    |  | DATE: 10/10/00 |
|                                                     |  |  | APPROVED BY: _____      |  | DATE: _____    |
|                                                     |  |  | PROJECT NO. 00091/GORE1 |  | DATE: 10/10/00 |
|                                                     |  |  | DRAWN BY: LLV           |  | DATE: 10/10/00 |
|                                                     |  |  | CHECKED BY: TOM KROB    |  | DATE: 10/10/00 |
|                                                     |  |  | APPROVED BY: _____      |  | DATE: _____    |

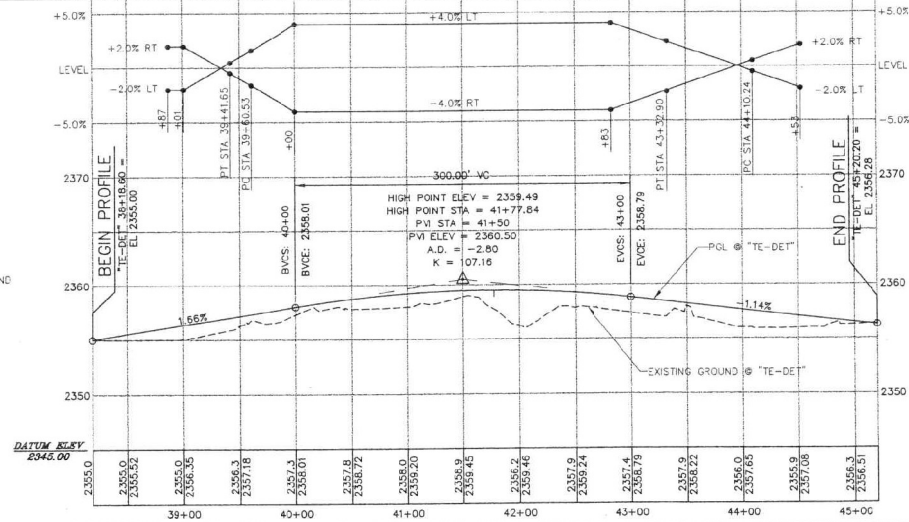
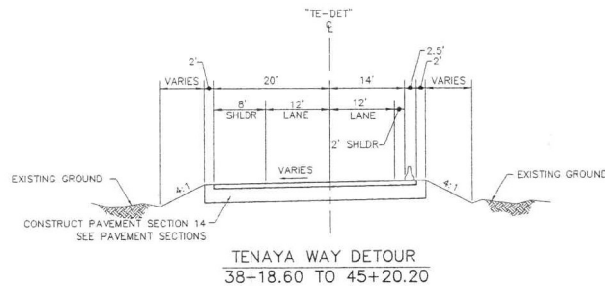
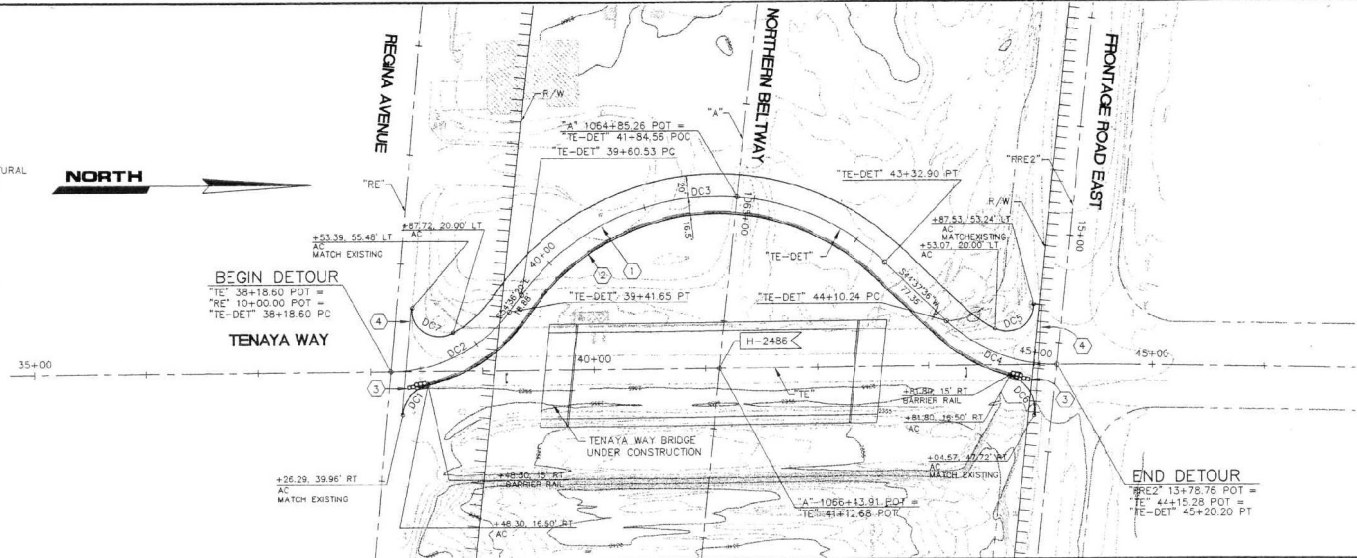
# GENERAL NOTES

1. DETOUR DESIGN SPEED = 20 MPH
2. SEE DETOUR SIGNING AND STRIPING PLAN FOR TRAFFIC ITEMS
3. CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ALL ITEMS THAT INTERFERE WITH CONSTRUCTION NOT SPECIFICALLY CALLED OUT ON PLANS

## CONSTRUCTION NOTES

- ① "TE-DET" 38+18.60 TO "TE-DET" 45+20.20  
CONSTRUCT PAVEMENT STRUCTURAL SECTION TENAYA WAY DETOUR
- ② "TE-DET" 38+48.30 (15' RT) TO "TE-DET" 44+81.80 (15' RT)  
INSTALL PORTABLE PRECAST CONCRETE BARRIER RAIL (NDOT STD. R-8.3.3)
- ③ "TE-DET" 38+48.30 (15' RT) "TE-DET" 44+81.80 (15' RT)  
INSTALL TEMPORARY IMPACT ATTENUATOR (V<sub>P</sub> = 35 MPH) (NDOT STD. T-35.1.8)
- ④ "TE-DET" 44+97.61 (54' RT) "TE-DET" 45+04.57 (48' RT) "TE-DET" 38+53.39 (55.50' LT) "TE-DET" 38+26.29 (40' RT)  
SAWCUT AND MATCH EXISTING AC PAVEMENT

| CURVE | LENGTH  | RADIUS  | TANGENT | DELTA      |
|-------|---------|---------|---------|------------|
| DC1   | 38.02'  | 30.00'  | 22.04'  | 72°36'12"  |
| DC2   | 123.06' | 130.00' | 66.57'  | 54°13'56"  |
| DC3   | 372.36' | 215.00' | 259.77' | 99°13'56"  |
| DC4   | 109.98' | 140.00' | 57.99'  | 45°00'00"  |
| DC5   | 46.59'  | 24.00'  | 35.06'  | 111°12'56" |
| DC6   | 40.92'  | 30.00'  | 24.36'  | 78°08'34"  |
| DC7   | 52.72'  | 24.00'  | 46.96'  | 129°51'37" |

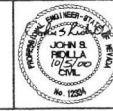


ISSUE FOR CONSTRUCTION

| REV. NO. | DATE | DESCRIPTION | APPROVED |
|----------|------|-------------|----------|
|          |      |             |          |
|          |      |             |          |
|          |      |             |          |

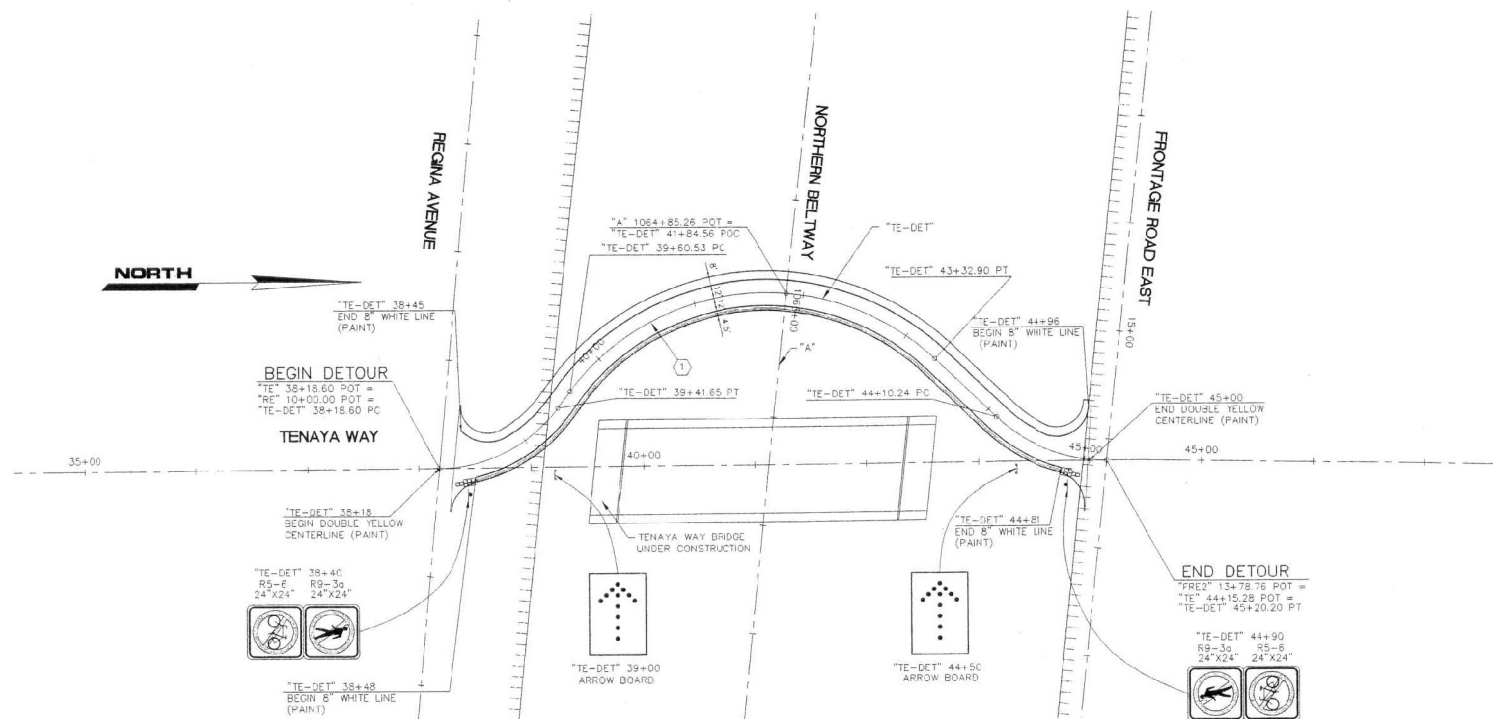


**WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES**  
**TENAYA WAY DETOUR**  
**CONSTRUCTION PLAN & PROFILE**  
 CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS



PROJECT NO: PTD 643558 DRAWN BY: JAW  
 DESIGNED BY: MAR CHECKED BY: CDA  
 APPROVED BY: JSR  
**PARSONS TRANSPORTATION GROUP**  
 LAS VEGAS, NEVADA  
 840 GREY DRIVE, SUITE 340  
 LAS VEGAS, NEVADA 89118  
 PHONE (702) 436-2118  
 FAX (702) 436-4422

|               |             |
|---------------|-------------|
| SCALE         | L-1631      |
| HORIZ: 1"=50' | DRAWING NO. |
| VERT: 1"=5'   | DET-1       |
| FIELD BOOK    | SHT. OF     |



#### GENERAL NOTES

1. DETOUR DESIGN SPEED = 20 MPH
2. EXISTING SIGNING TO BE RELOCATED, COVERED OR REMOVED AS DIRECTED BY THE ENGINEER

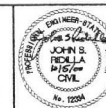
#### CONSTRUCTION NOTES

1. INSTALL WORK ZONE TRAFFIC CONTROL PER USDCCA DRAWING NO. 612 (1 OF 2)

| REV. NO. | DATE | DESCRIPTION | APPROVED |
|----------|------|-------------|----------|
|          |      |             |          |
|          |      |             |          |
|          |      |             |          |
|          |      |             |          |



**WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES**  
**TENAYA WAY DETOUR**  
**SIGNING & STRIPING PLAN**  
 CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS



PROJECT No: PTO 543555 DRAWN BY: MAW  
 DESIGNED BY: MAW CHECKED BY: CDA  
 APPROVED BY: JSH  
**PARSONS TRANSPORTATION GROUP**  
 840 ORION DRIVE, SUITE 340  
 LAS VEGAS, NEVADA 89115  
 PHONE (702) 450-2115  
 FAX (702) 450-9412

ISSUE FOR CONSTRUCTION

| SCALE         | L-1631      |
|---------------|-------------|
| HORIZ: 1"=50' | DRAWING NO. |
| VERT: NONE    | DET-2       |
| FIELD BOOK    | SHT. OF     |



# REMOVAL NOTES

- 4 "DU" +49.387 (14.00' LT) TO  
"DU" +97.79 (14.00' LT)  
"CE" +73.00 (2.00' LT) TO  
"DU-DET" +06.30 (1.00' LT)  
"DU" +21.77 (1.00' LT) TO  
"DU-DET" +06.30 (1.00' LT)  
"CC" +47.21 (LT) TO  
"CC" +47.21 (RT)

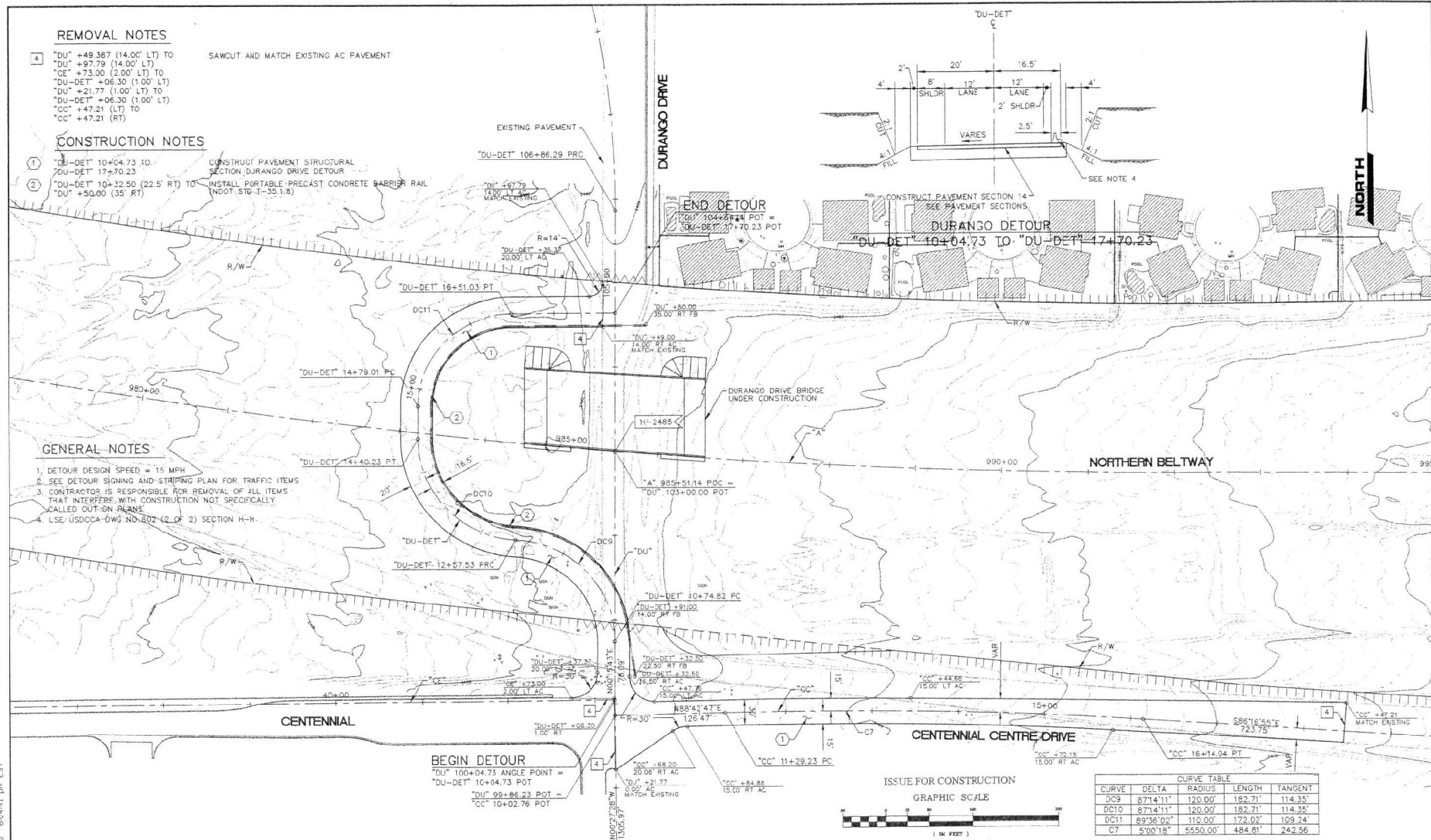
SAWCUT AND MATCH EXISTING AC PAVEMENT

# CONSTRUCTION NOTES

- 1 "DU-DET" 10+04.73 TO  
"DU-DET" 17+70.23  
"DU-DET" 10+32.50 (22.5' RT) TO  
"DU" +50.00 (35' RT)
- 2 CONSTRUCT PAVEMENT STRUCTURAL  
SECTION, DURANGO DRIVE DETOUR  
INSTALL PORTABLE PRECAST CONCRETE BARRIER RAIL  
(NDOT STD. J-35.1.2)

# GENERAL NOTES

1. DETOUR DESIGN SPEED = 15 MPH
2. SEE DETOUR SIGNING AND STRIPING PLAN FOR TRAFFIC ITEMS
3. CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ALL ITEMS  
THAT INTERFERE WITH CONSTRUCTION NOT SPECIFICALLY  
CALLED OUT ON PLANS
4. USE USDOCA-DWG NO. 602 (2 OF 2) SECTION H-H.

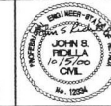


550DET3.dwg 10-5-00 6/4/41 PM EST

| REV. NO. | DATE | DESCRIPTION | APPROVED |
|----------|------|-------------|----------|
|          |      |             |          |
|          |      |             |          |
|          |      |             |          |
|          |      |             |          |



**WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES**  
**CONSTRUCTION PLAN**  
**DURANGO ROAD DETOUR**  
 CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS

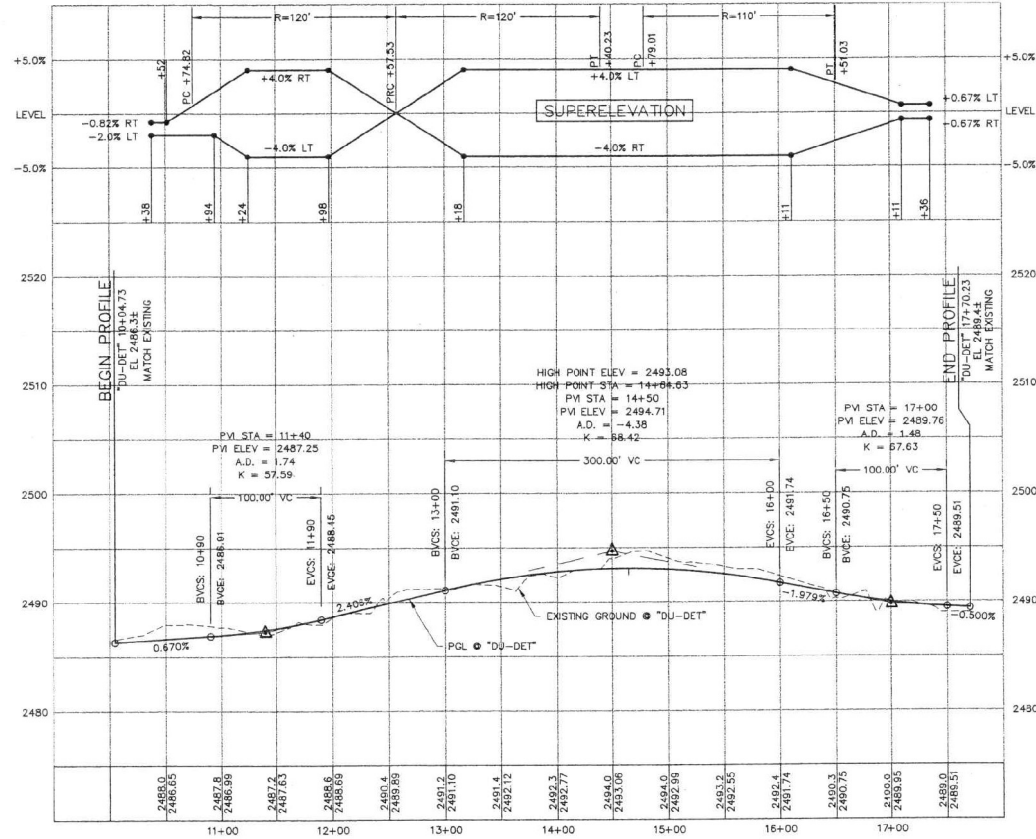


PROJECT NO: PTC 643558  
 DESIGNED BY: RSM  
 APPROVED BY: JSM

|                                                   |                |                      |            |                                                                                                       |                 |
|---------------------------------------------------|----------------|----------------------|------------|-------------------------------------------------------------------------------------------------------|-----------------|
| DRAWN BY: ADL                                     | CHECKED BY: MM | SCALE: HORIZ: 1"=50' | VERT: NONE | FIELD BOOK                                                                                            | SHT. OF         |
| PARSONS TRANSPORTATION GROUP<br>LAS VEGAS, NEVADA |                |                      |            | 840 GRIFFIN DRIVE, SUITE 340<br>LAS VEGAS, NEVADA 89119<br>PHONE (702) 455-2115<br>FAX (702) 455-0115 | L-1631<br>DET-3 |



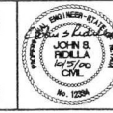
5586174.dwg 10-5-00 5:11:32 pm EST



| REV. NO. | DATE | DESCRIPTION | APPROVED |
|----------|------|-------------|----------|
|          |      |             |          |
|          |      |             |          |
|          |      |             |          |



**WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES**  
**PROFILE**  
**DURANGO DRIVE DETOUR**  
 CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS



PROJECT No: PTC 643555 DRAWN BY: RSM  
 DESIGNED BY: RSM CHECKED BY: MM  
 APPROVED BY: JSR

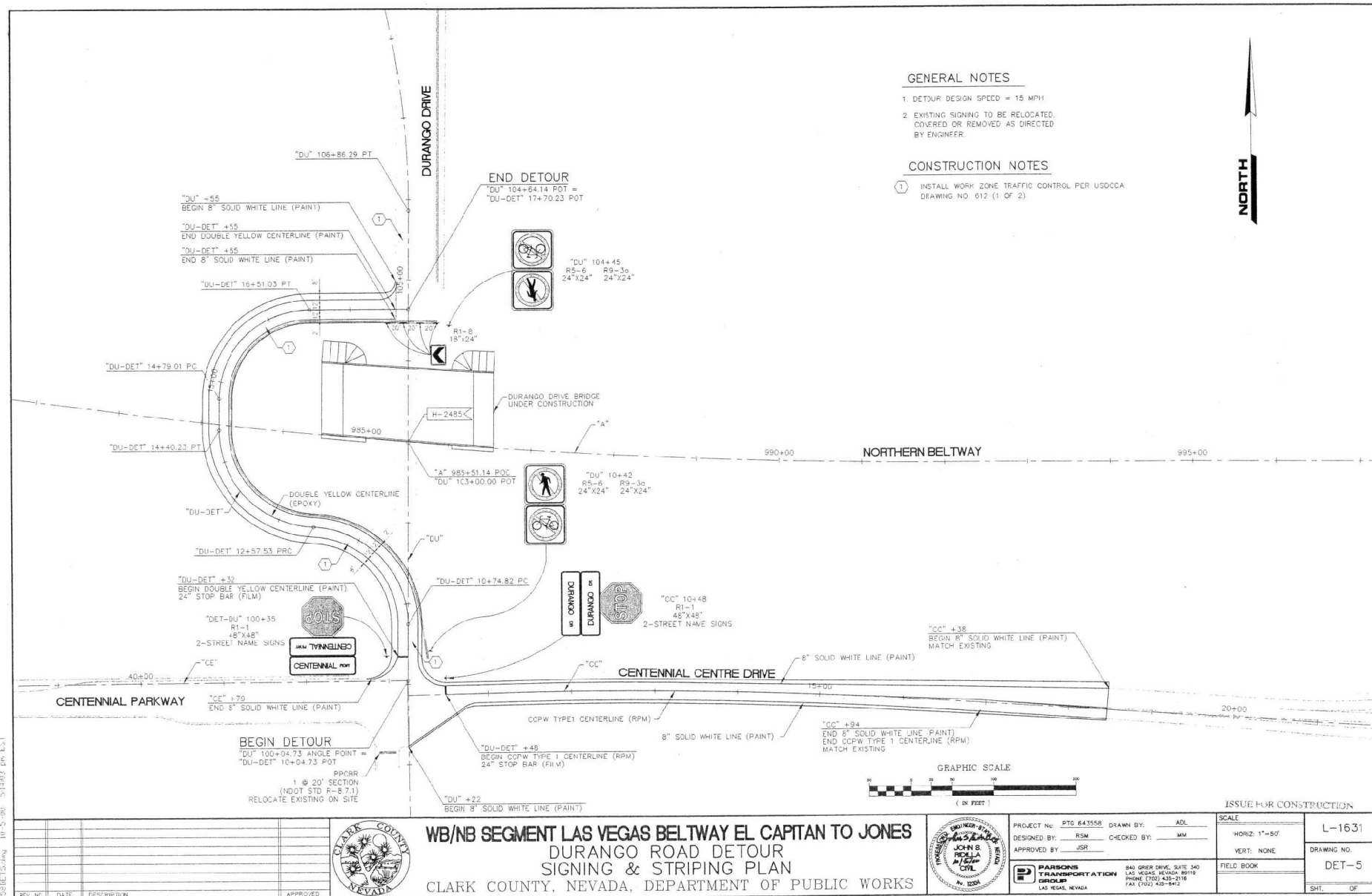
**PARSONS**  
 TRANSPORTATION  
 GROUP, INC.  
 LAS VEGAS, NEVADA

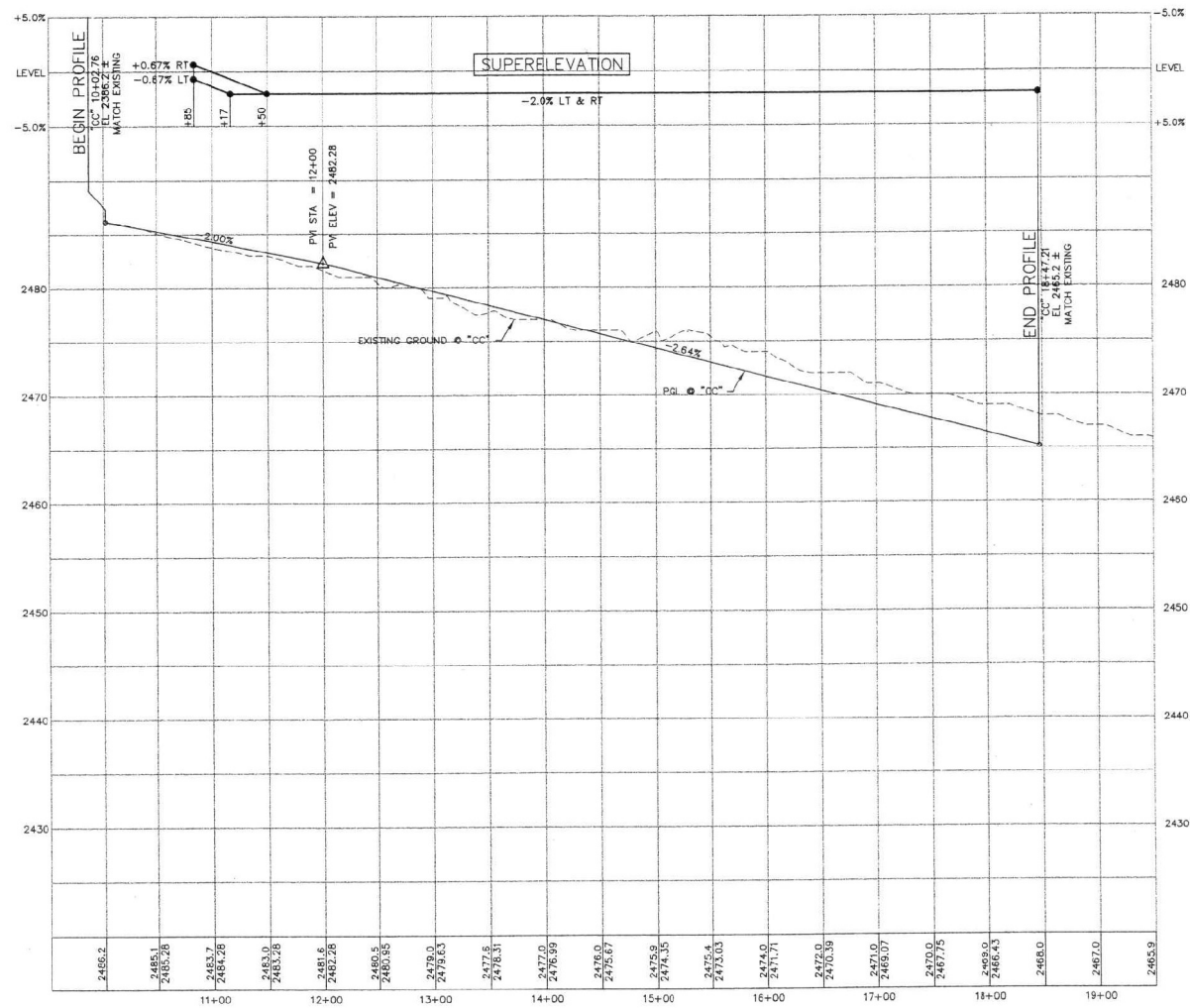
840 GREY DRIVE, SUITE 340  
 LAS VEGAS, NEVADA 89119  
 PHONE (702) 435-2116  
 FAX (702) 435-0412

ISSUE FOR CONSTRUCTION

| SCALE         | DRAWING NO. |
|---------------|-------------|
| HORIZ: 1"=50' | L-1631      |
| VERT: 1"=5'   | DET-4       |
| FIELD BOOK    |             |
| SHT. OF       |             |

WB/NB EL CAPITAN WAY TO JONES BOULEVARD





ISSUE FOR CONSTRUCTION

SHEET 6 of 6 10-5-00 5:37:42 pm EST

| REV NO | DATE | DESCRIPTION | APPROVED |
|--------|------|-------------|----------|
|        |      |             |          |
|        |      |             |          |
|        |      |             |          |
|        |      |             |          |

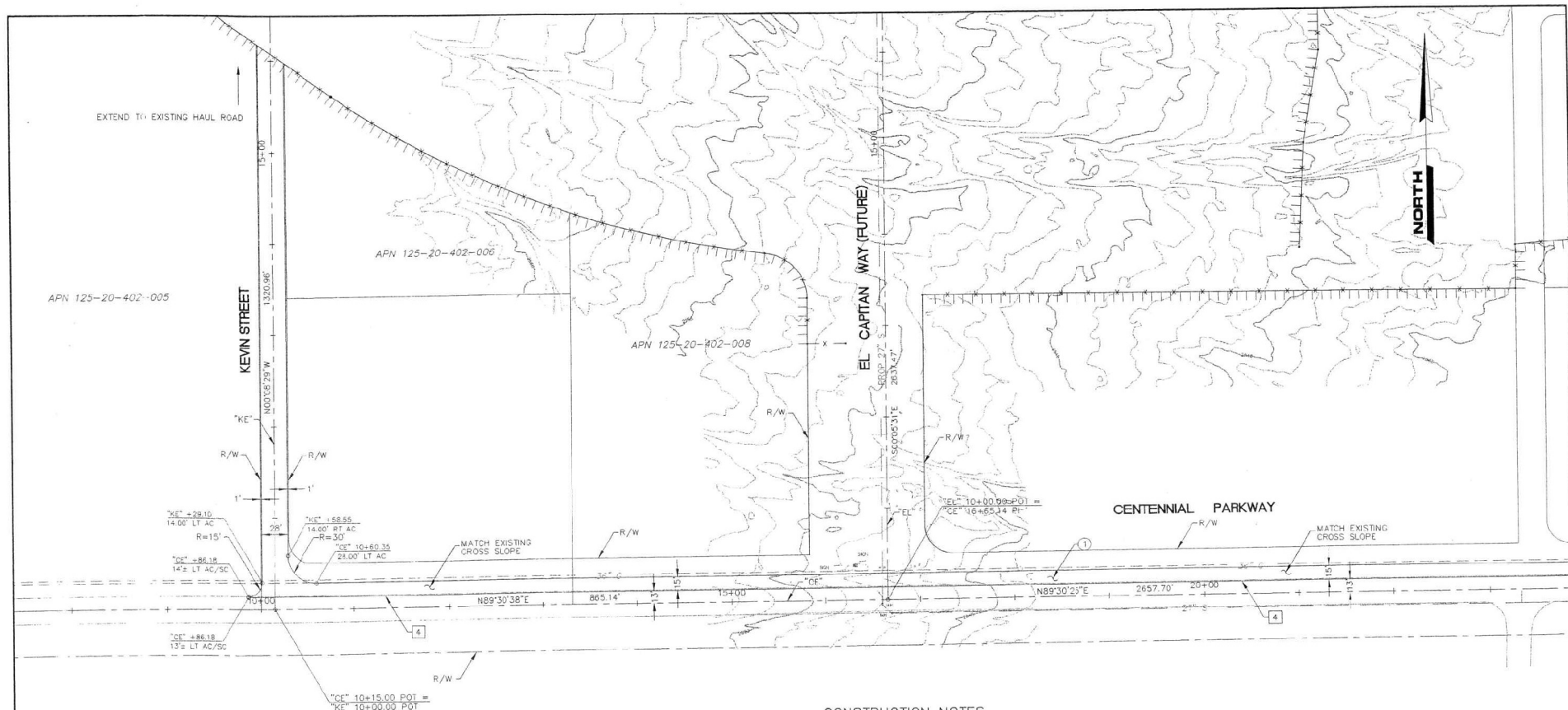


**WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES**  
**PROFILE**  
**CENTENNIAL CENTRE DRIVE**  
 CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS



|                                                          |                                                                                                      |
|----------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| PROJECT No: PTC 843558                                   | DRAWN BY: RSM                                                                                        |
| DESIGNED BY: RSM                                         | CHECKED BY: MM                                                                                       |
| APPROVED BY: JSH                                         |                                                                                                      |
| <b>PARSONS TRANSPORTATION GROUP</b><br>LAS VEGAS, NEVADA | 840 ORRER DRIVE, SUITE 340<br>LAS VEGAS, NEVADA 89118<br>PHONE (702) 438-2118<br>FAX (702) 438-8-112 |

|               |             |             |
|---------------|-------------|-------------|
| SCALE         |             | L-1631      |
| HORIZ: 1"=50' | VERT: 1"=5' |             |
| FIELD BOOK    |             | DRAWING NO. |
|               |             | DET-6       |
| SHT.          | OF          |             |



#### CONSTRUCTION NOTES

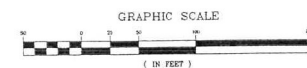
- ① "CE" 9+86.18 (14' LT) TO  
"CE" 33+28.47 (35.50' RT) CONSTRUCT AC PAVEMENT  
SEE TYPICAL SECTIONS

#### REMOVAL NOTES

- ④ "CE" 9+85.16 (13' LT) TO  
"CE" 31+34.00 (13' LT) SAWCUT EXISTING BITUMINOUS PAVEMENT

#### GENERAL NOTES

1. SEE SHEET DET-R FOR CONTINUATION TO THE EAST.

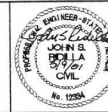


NEW SHEET ISSUED

| REV. NO. | DATE     | DESCRIPTION                   | APPROVED |
|----------|----------|-------------------------------|----------|
| 1        | 03/09/01 | CENTENNIAL / HAUL ROAD DETOUR | JSR      |



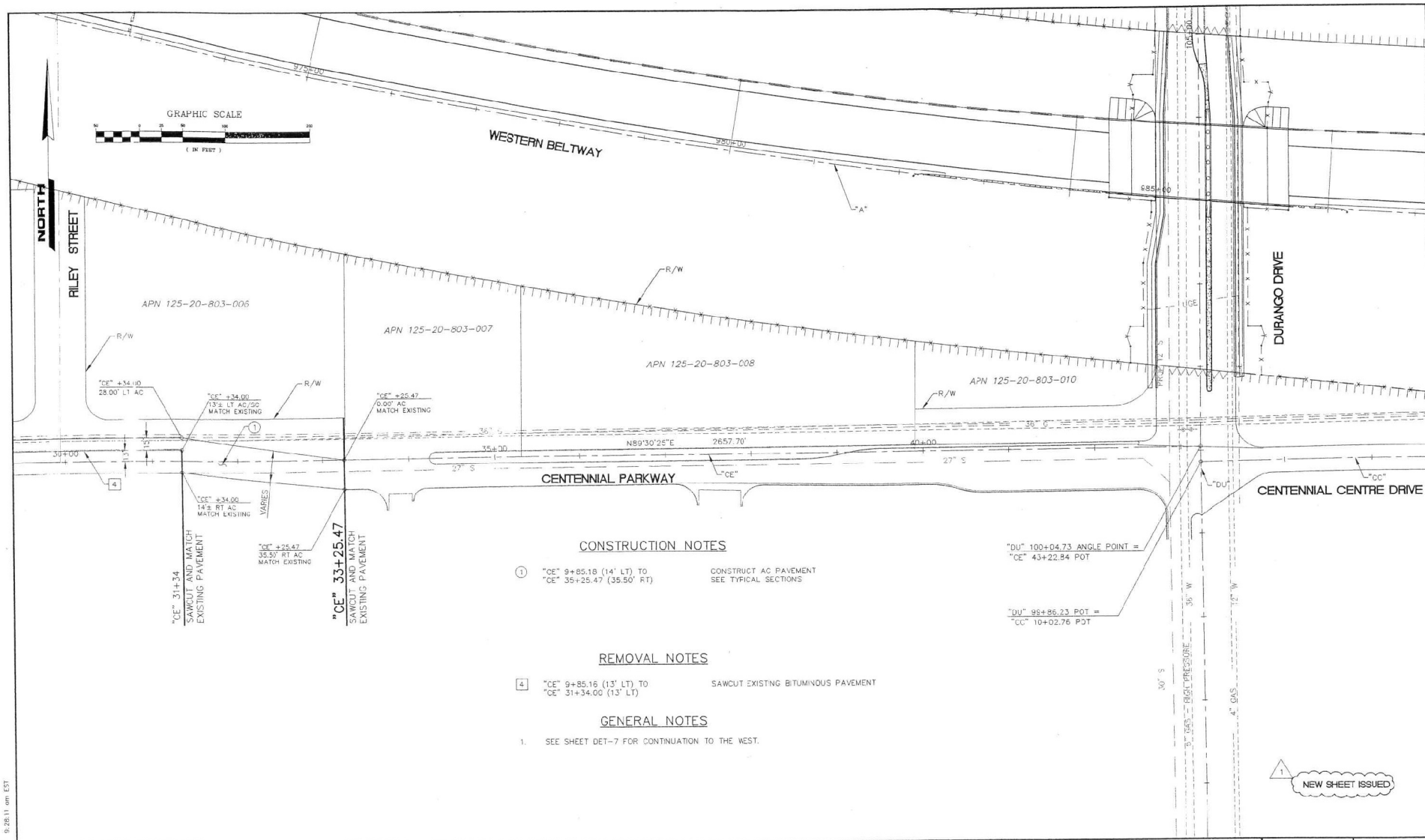
**WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES  
DETOUR PLAN  
CENTENNIAL PARKWAY / HAUL ROAD  
CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS**



PROJECT NO: PTO 643558  
DESIGNED BY: JSM  
CHECKED BY: MCM  
APPROVED BY: JSM

840 GREN DRIVE, SUITE 240  
LAS VEGAS, NEVADA 89119  
PHONE (702) 435-2118  
FAX (702) 435-6412

| SCALE         | DRAWING NO. |
|---------------|-------------|
| HORIZ: 1"=50' | L-1631      |
| VERT: NONE    | DET-7       |
| FIELD BOOK    | SHT. OF     |



550627-2-P-001 3-9-01 0:28:11 am EST

| REV. NO. | DATE     | DESCRIPTION                   | APPROVED |
|----------|----------|-------------------------------|----------|
| 1        | 03/08/01 | CENTENNIAL / HAUL ROAD DETOUR | JSR      |



**WB/NB SEGMENT LAS VEGAS BELTWAY EL CAPITAN TO JONES  
DETOUR PLAN  
CENTENNIAL PARKWAY / HAUL ROAD  
CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS**



PROJECT No: PTC 843558 DRAWN BY: JSJ  
DESIGNED BY: RSM CHECKED BY: MGM  
APPROVED BY: JSJ

**PARSONS TRANSPORTATION GROUP**  
LAS VEGAS, NEVADA

840 ORION DRIVE, SUITE 340  
LAS VEGAS, NEVADA 89119  
PHONE (702) 435-2718  
FAX (702) 435-3412

|                                             |                             |
|---------------------------------------------|-----------------------------|
| <b>SCALE</b><br>HORIZ: 1"=50'<br>VERT: NONE | <b>L-1631</b>               |
| <b>FIELD BOOK</b>                           | <b>DRAWING NO.</b><br>DET-8 |
|                                             | <b>SHT.</b> OF              |

