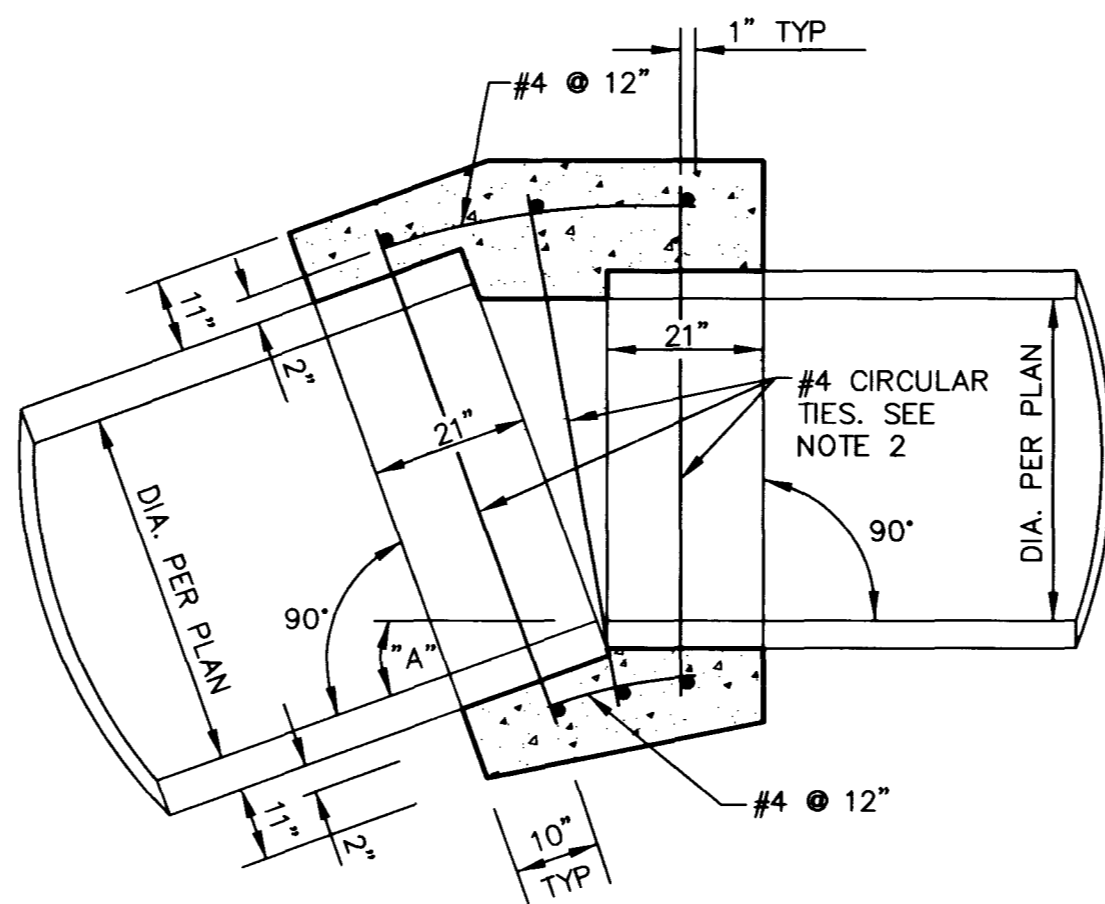


- NOTES:**
1. CONCRETE ENCASUREMENT TO EXTEND 10' PAST OUTSIDE OF WATER PIPE WHERE APPLICABLE
  2. FOR ALTERNATE AT WATER PIPE CROSSING, REFER TO CONSTRUCTION NOTE 6, SHEET 2.
  3. FOR ADDITIONAL DETAIL INFORMATION, REFER TO CLV "PIPE BEDDING METHODS," STANDARD NO. SD-11.

**REINFORCED CONCRETE ENCASEMENT**  
NOT TO SCALE

5  
21



- NOTES:**
1. WHERE THE SLOPE OF THE UPSTREAM PIPE IS GREATER THAN THE SLOPE OF THE DOWNSTREAM PIPE, JOIN SOFFITS. WHERE THE SLOPE OF THE UPSTREAM PIPE IS LESS THAN THE SLOPE OF THE DOWNSTREAM PIPE, JOIN INVERTS.
  2. WHERE THE SPACE BETWEEN THE PIPE EXTREMITIES EXCEEDS 2 1/2 INCHES, THE NUMBER OF CIRCULAR TIES SHALL BE INCREASED TO MAINTAIN A MAXIMUM SPACING OF 6 INCHES CENTER TO CENTER. CIRCULAR TIES SHALL HAVE A DIAMETER 5 INCHES GREATER THAN THE OUTSIDE DIAMETER OF THE LARGER PIPE.

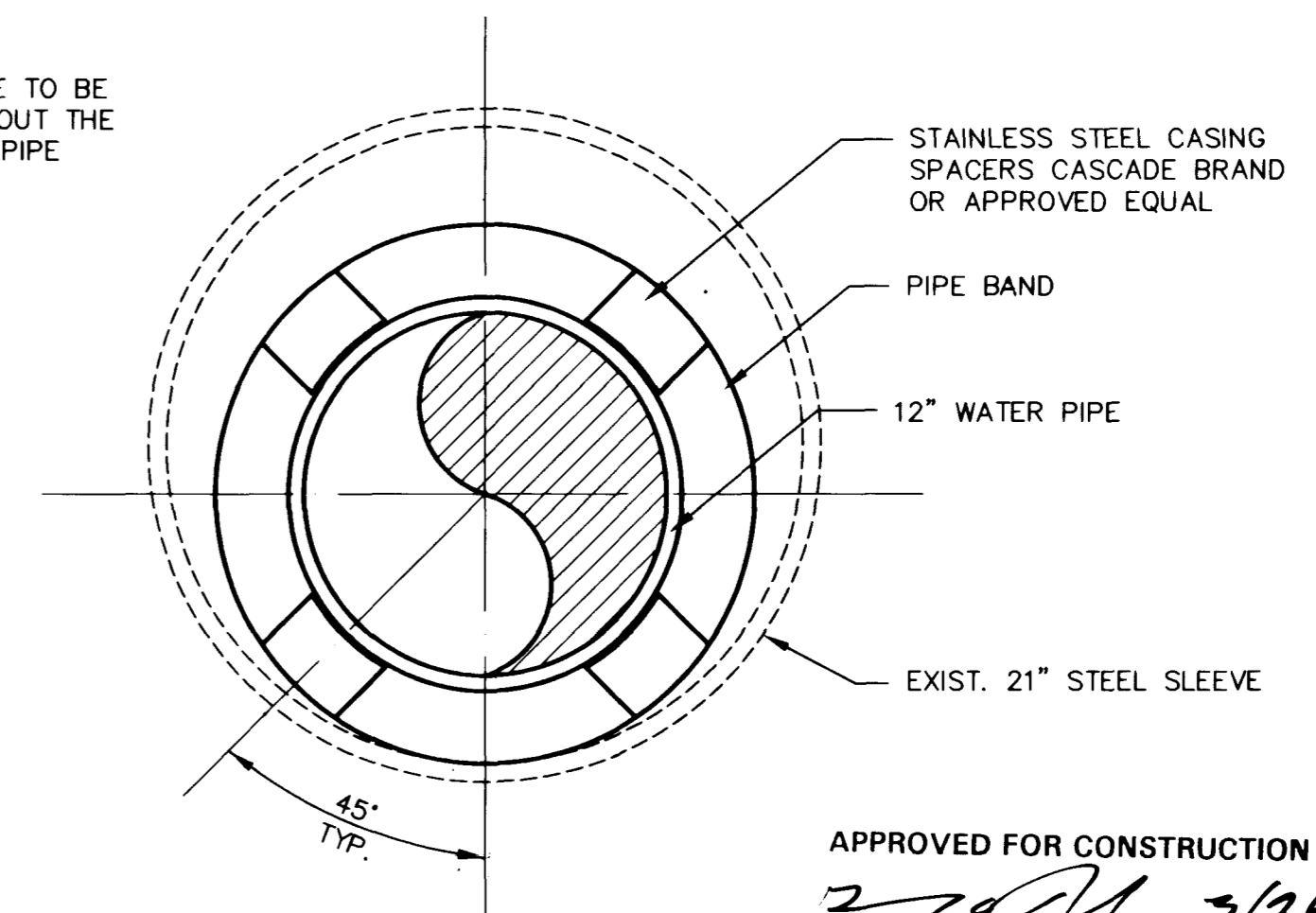
**CIRCULAR TIES**

PIPE DIAMETER	SPACE BETWEEN PIPE EXTREMITIES	NO. OF CIRCULAR TIES
21" or less	2 1/2"	3
24" to 30"	2 1/2" or less	3
33" to 57"	2 1/2" or less	4
60" to 66"	2 1/2" or less	5

**STORM DRAIN CONCRETE COLLAR DETAIL**  
NOT TO SCALE

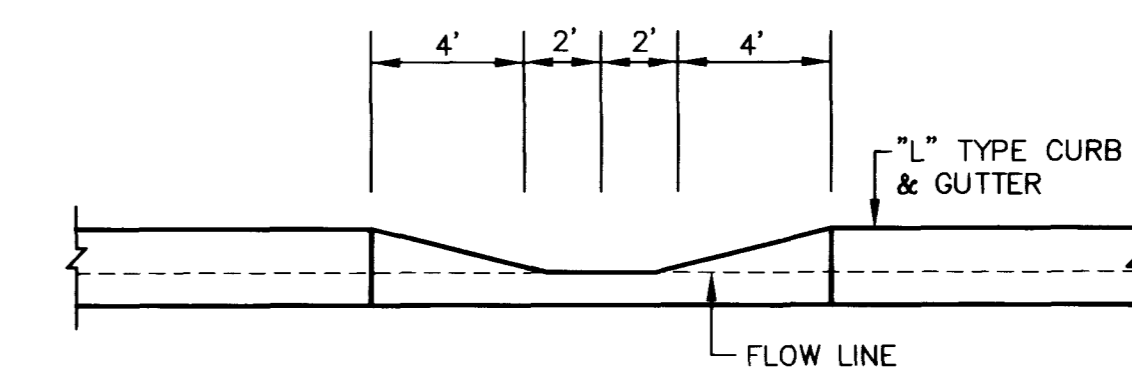
4  
21

NOTE:  
ALL CASINGS ARE TO BE SYMMETRICAL ABOUT THE CENTER LINE OF PIPE



**WATER INSTALLATION AT EXISTING SLEEVE DETAIL**  
NOT TO SCALE

3  
21



REFER TO SUMMERLIN DETAIL S-75 FOR CURB DEPRESSION

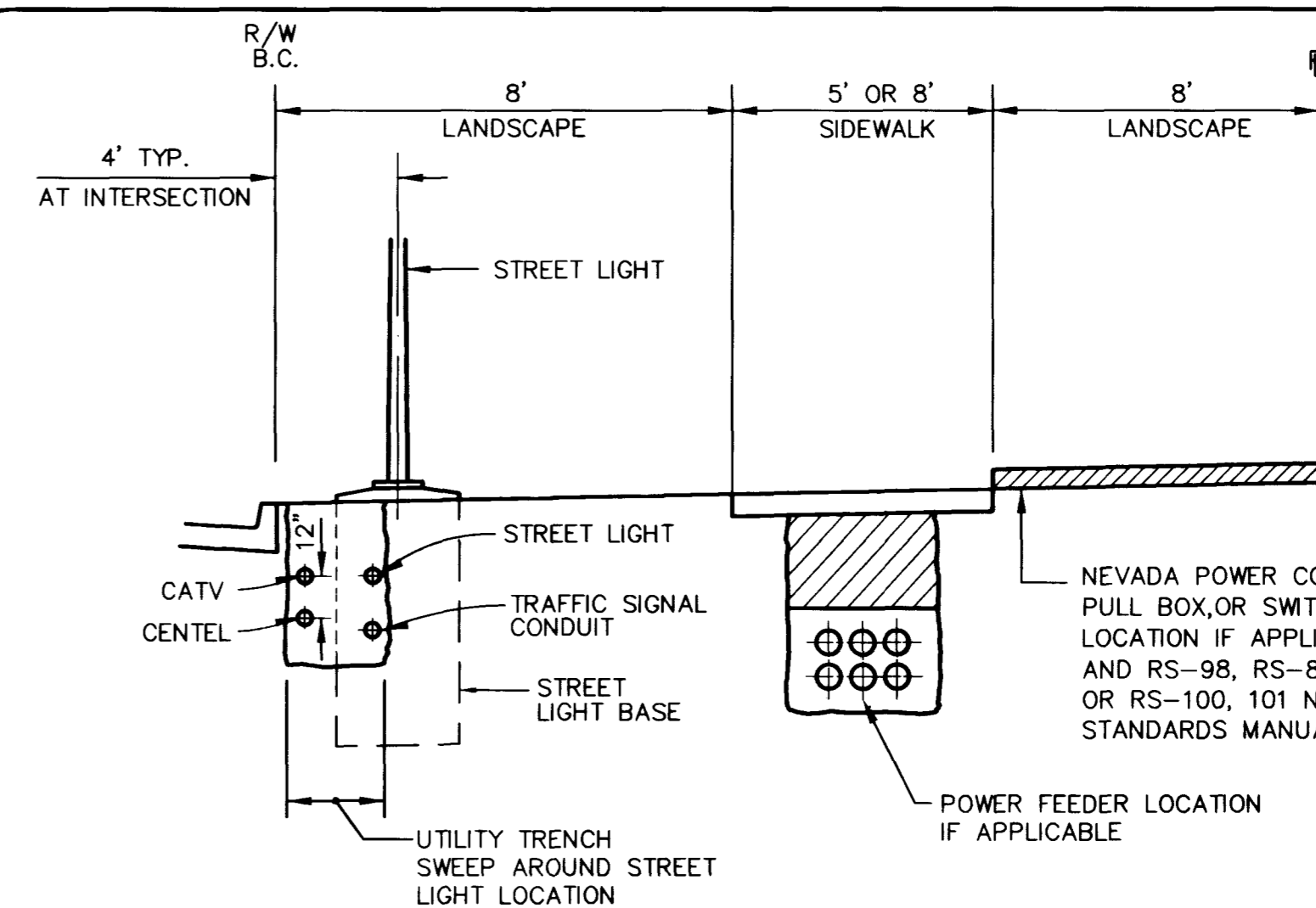
**RECORD DRAWINGS**

THESE PLANS SHOW RECORD INFORMATION RECEIVED FROM:  
CONTRACTOR: RICE CONSTRUCTION (WET UTILITY IMP.) 12-30-96  
CONTRACTOR: SOUTHERN NEVADA PAVING (ROADWAY IMPROVEMENTS) 3/19/97

THIS DATA MAY OR MAY NOT REFLECT THE ACTUAL FIELD LOCATIONS. ALL DATA SHOULD BE CONFIRMED PRIOR TO USE ON DEVELOPMENT OR ENGINEERING PLANS.

**DEPRESSED CURB DETAIL**  
NOT TO SCALE

2  
21



**TYPICAL UTILITY LOCATION DETAIL**  
NOT TO SCALE

1  
21

REVISIONS

NO.	DATE	DESCRIPTION	DATE	APPROVAL

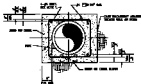
RECEIVED

STATE OF NEVADA  
COUNTY OF CLATSOP  
BERT A. WALLACE, INC.  
REGISTERED PROFESSIONAL ENGINEER  
NO. 102258

G. C. WALLACE, INC.  
Engineering/Architecture 1555 SOUTH RAINBOW BLVD./LAS VEGAS, NEVADA 89102

**SUMMERLIN**  
VILLAGE 3 HUAPAI WAY IMPROVEMENTS  
MISCELLANEOUS DETAILS

SHEET  
**21**  
SHT 21 OF 21



- NOTE:**
1. VERIFY EXISTING SLEEVE IS NOT SUBJECT TO ANY OTHER RESTRICTIONS.
  2. VERIFY SLEEVE IS NOT SUBJECT TO ANY OTHER RESTRICTIONS.
  3. VERIFY SLEEVE IS NOT SUBJECT TO ANY OTHER RESTRICTIONS.

**REINFORCED CONCRETE ENCASMENT**  
SEE 'S' SHEET

**NOTE:**  
SLEEVE SHALL BE  
ENCASED IN 4\"/>



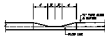
**WATER INSTALLATION AT  
EXISTING SLEEVE DETAIL**  
SEE 'S' SHEET



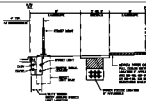
**NOTE:**  
1. VERIFY EXISTING COLLAR IS NOT SUBJECT TO ANY OTHER RESTRICTIONS.  
2. VERIFY COLLAR IS NOT SUBJECT TO ANY OTHER RESTRICTIONS.  
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9. VERIFY COLLAR IS NOT SUBJECT TO ANY OTHER RESTRICTIONS.  
10. VERIFY COLLAR IS NOT SUBJECT TO ANY OTHER RESTRICTIONS.

REINFORCEMENT SCHEDULE			
NO.	DESCRIPTION	QUANTITY	UNIT
1	4#4 @ 12\"/>		

**STORM DRAIN CONCRETE COLLAR DETAIL**  
SEE 'S' SHEET



**NOTE:**  
1. VERIFY EXISTING STREET DETAIL IS NOT SUBJECT TO ANY OTHER RESTRICTIONS.  
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10. VERIFY EXISTING STREET DETAIL IS NOT SUBJECT TO ANY OTHER RESTRICTIONS.



**TYPICAL STREET LOCATION DETAIL**  
SEE 'S' SHEET