





**MATERIAL SPECIFICATIONS**

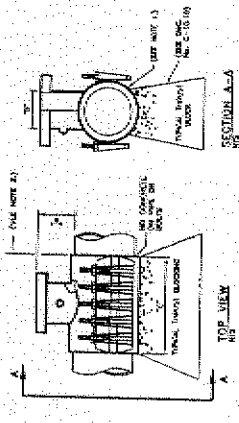
ALL STEEL SHALL BE A36 UNLESS OTHERWISE SPECIFIED.

ALL WELDS SHALL BE E70XX UNLESS OTHERWISE SPECIFIED.

ALL WELDS SHALL BE FULL PENETRATION UNLESS OTHERWISE SPECIFIED.

ALL WELDS SHALL BE MADE BY THE SHIELD METAL ARC PROCESS UNLESS OTHERWISE SPECIFIED.

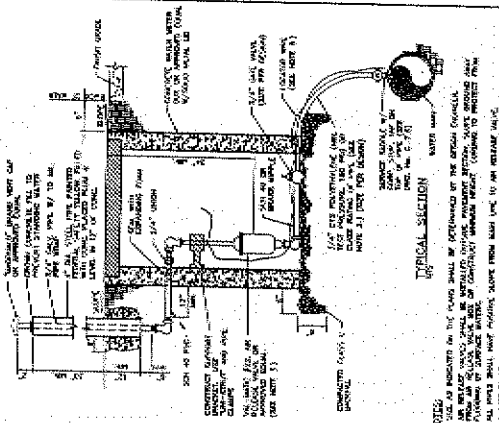
ALL WELDS SHALL BE MADE BY THE SHIELD METAL ARC PROCESS UNLESS OTHERWISE SPECIFIED.



**NOTES:**

1. MATERIAL SHALL BE SHIELD METAL ARC WELDED TO THE BEST QUALITY.
2. WELDS SHALL BE FULL PENETRATION UNLESS OTHERWISE SPECIFIED.
3. WELDS SHALL BE MADE BY THE SHIELD METAL ARC PROCESS UNLESS OTHERWISE SPECIFIED.
4. WELDS SHALL BE MADE BY THE SHIELD METAL ARC PROCESS UNLESS OTHERWISE SPECIFIED.
5. WELDS SHALL BE MADE BY THE SHIELD METAL ARC PROCESS UNLESS OTHERWISE SPECIFIED.

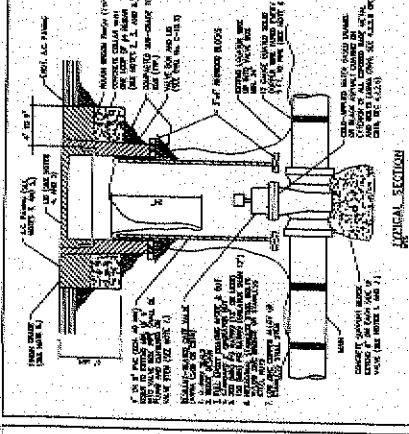
NO.	REVISION	DATE	DESCRIPTION
1			
2			
3			
4			
5			



**NOTES:**

1. MATERIAL SHALL BE SHIELD METAL ARC WELDED TO THE BEST QUALITY.
2. WELDS SHALL BE FULL PENETRATION UNLESS OTHERWISE SPECIFIED.
3. WELDS SHALL BE MADE BY THE SHIELD METAL ARC PROCESS UNLESS OTHERWISE SPECIFIED.
4. WELDS SHALL BE MADE BY THE SHIELD METAL ARC PROCESS UNLESS OTHERWISE SPECIFIED.
5. WELDS SHALL BE MADE BY THE SHIELD METAL ARC PROCESS UNLESS OTHERWISE SPECIFIED.

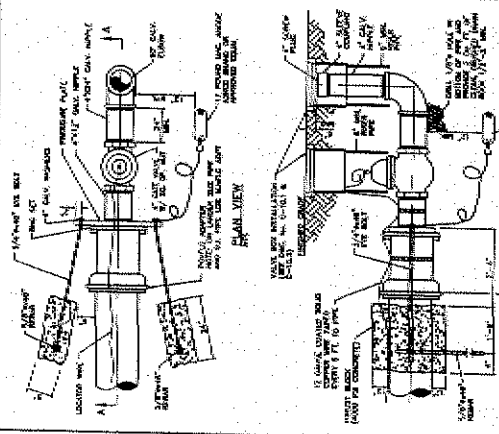
NO.	REVISION	DATE	DESCRIPTION
1			
2			
3			
4			
5			



**NOTES:**

1. MATERIAL SHALL BE SHIELD METAL ARC WELDED TO THE BEST QUALITY.
2. WELDS SHALL BE FULL PENETRATION UNLESS OTHERWISE SPECIFIED.
3. WELDS SHALL BE MADE BY THE SHIELD METAL ARC PROCESS UNLESS OTHERWISE SPECIFIED.
4. WELDS SHALL BE MADE BY THE SHIELD METAL ARC PROCESS UNLESS OTHERWISE SPECIFIED.
5. WELDS SHALL BE MADE BY THE SHIELD METAL ARC PROCESS UNLESS OTHERWISE SPECIFIED.

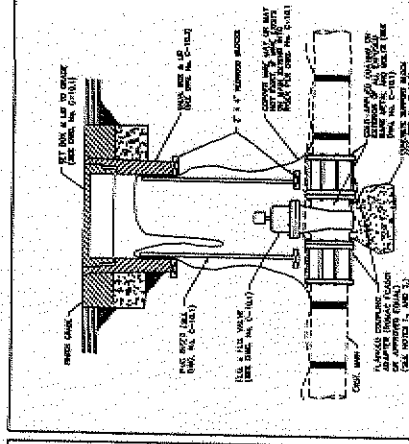
NO.	REVISION	DATE	DESCRIPTION
1			
2			
3			
4			
5			



**NOTES:**

1. MATERIAL SHALL BE SHIELD METAL ARC WELDED TO THE BEST QUALITY.
2. WELDS SHALL BE FULL PENETRATION UNLESS OTHERWISE SPECIFIED.
3. WELDS SHALL BE MADE BY THE SHIELD METAL ARC PROCESS UNLESS OTHERWISE SPECIFIED.
4. WELDS SHALL BE MADE BY THE SHIELD METAL ARC PROCESS UNLESS OTHERWISE SPECIFIED.
5. WELDS SHALL BE MADE BY THE SHIELD METAL ARC PROCESS UNLESS OTHERWISE SPECIFIED.

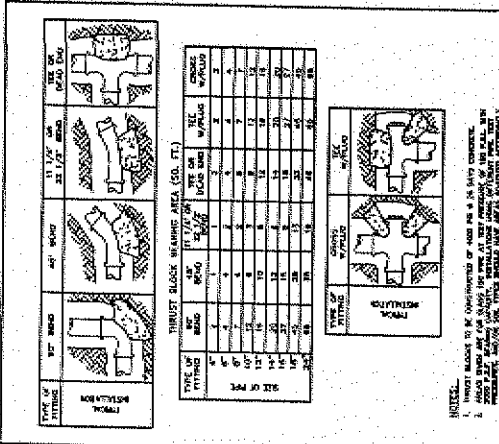
NO.	REVISION	DATE	DESCRIPTION
1			
2			
3			
4			
5			



**NOTES:**

1. MATERIAL SHALL BE SHIELD METAL ARC WELDED TO THE BEST QUALITY.
2. WELDS SHALL BE FULL PENETRATION UNLESS OTHERWISE SPECIFIED.
3. WELDS SHALL BE MADE BY THE SHIELD METAL ARC PROCESS UNLESS OTHERWISE SPECIFIED.
4. WELDS SHALL BE MADE BY THE SHIELD METAL ARC PROCESS UNLESS OTHERWISE SPECIFIED.
5. WELDS SHALL BE MADE BY THE SHIELD METAL ARC PROCESS UNLESS OTHERWISE SPECIFIED.

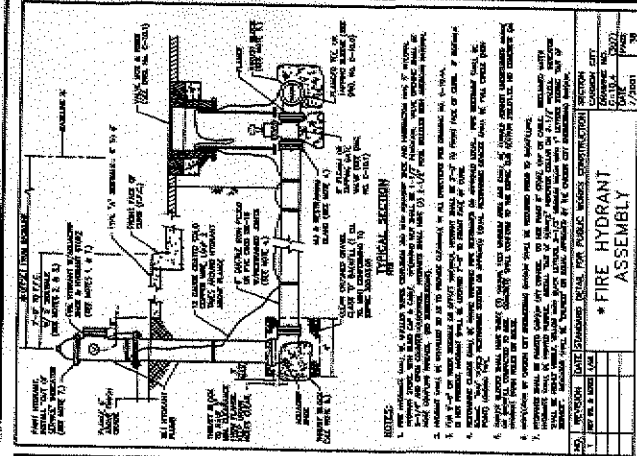
NO.	REVISION	DATE	DESCRIPTION
1			
2			
3			
4			
5			



**NOTES:**

1. MATERIAL SHALL BE SHIELD METAL ARC WELDED TO THE BEST QUALITY.
2. WELDS SHALL BE FULL PENETRATION UNLESS OTHERWISE SPECIFIED.
3. WELDS SHALL BE MADE BY THE SHIELD METAL ARC PROCESS UNLESS OTHERWISE SPECIFIED.
4. WELDS SHALL BE MADE BY THE SHIELD METAL ARC PROCESS UNLESS OTHERWISE SPECIFIED.
5. WELDS SHALL BE MADE BY THE SHIELD METAL ARC PROCESS UNLESS OTHERWISE SPECIFIED.

NO.	REVISION	DATE	DESCRIPTION
1			
2			
3			
4			
5			



**NOTES:**

1. MATERIAL SHALL BE SHIELD METAL ARC WELDED TO THE BEST QUALITY.
2. WELDS SHALL BE FULL PENETRATION UNLESS OTHERWISE SPECIFIED.
3. WELDS SHALL BE MADE BY THE SHIELD METAL ARC PROCESS UNLESS OTHERWISE SPECIFIED.
4. WELDS SHALL BE MADE BY THE SHIELD METAL ARC PROCESS UNLESS OTHERWISE SPECIFIED.
5. WELDS SHALL BE MADE BY THE SHIELD METAL ARC PROCESS UNLESS OTHERWISE SPECIFIED.

NO.	REVISION	DATE	DESCRIPTION
1			
2			
3			
4			
5			

**CARSON CITY PUBLIC WORKS DEPARTMENT**

3000 WEST MAIN CARSON CITY, NEVADA 89401

PH 725-2500

THE LOUIS BERGER GROUP INC.

1000 WEST 10TH AVENUE DENVER, CO 80202

SCALE: 1/2" = 1'-0"

DATE: 09/20/06

NO.	REVISION	DATE	DESCRIPTION
1			
2			
3			
4			
5			

NO.	REVISION	DATE	DESCRIPTION
1			
2			
3			
4			
5			

**CARSON CITY FREEMWAY PHASE 2A**

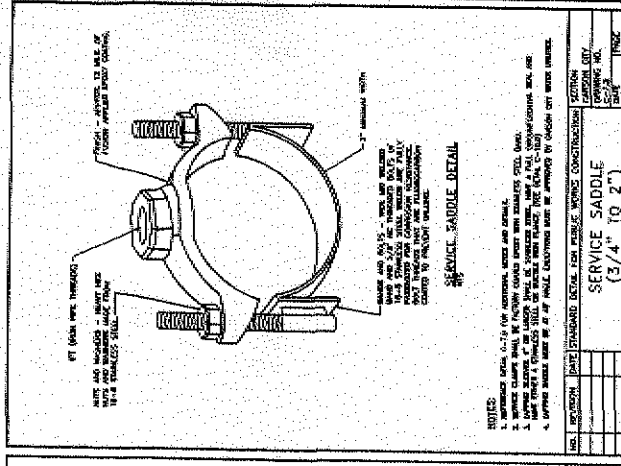
UTILITY RELOCATIONS

E. MAIN ST. BETWEEN EAST LEGION HIGH TO WEST MAIN

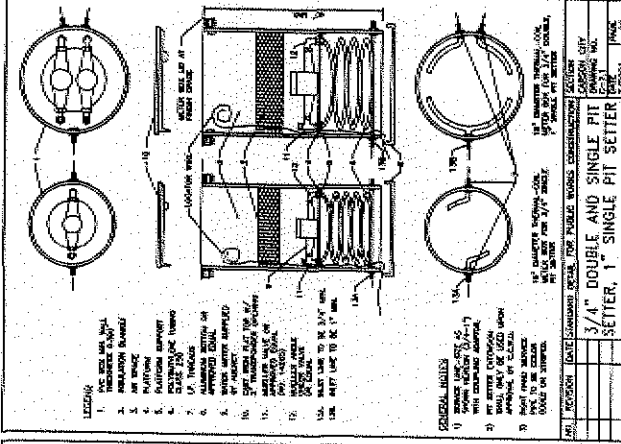
PROJECT NO. DD-2010

TYPICAL CONSTRUCTION DETAILS

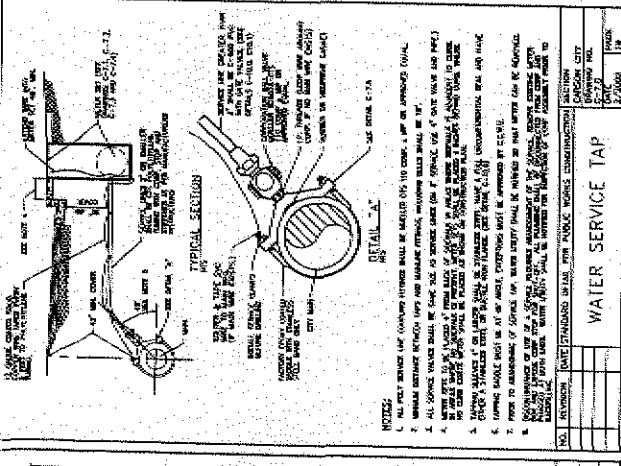
SHEET 28 E OF 34



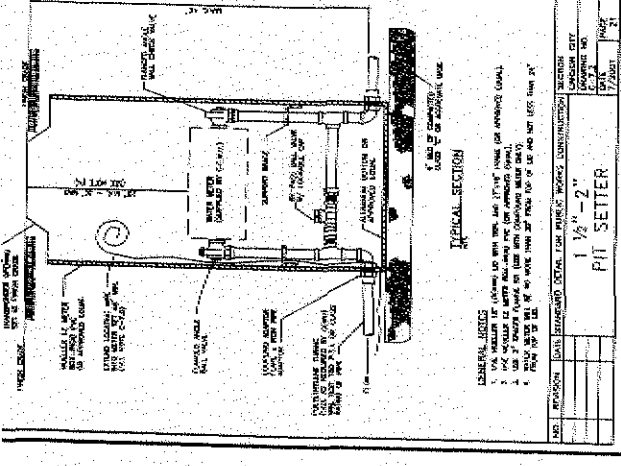
**NOTES**  
 1. SADDLE SHALL BE APPROVED BY THE CITY ENGINEER.  
 2. SADDLE SHALL BE APPROVED BY THE CITY ENGINEER.  
 3. SADDLE SHALL BE APPROVED BY THE CITY ENGINEER.  
 4. SADDLE SHALL BE APPROVED BY THE CITY ENGINEER.



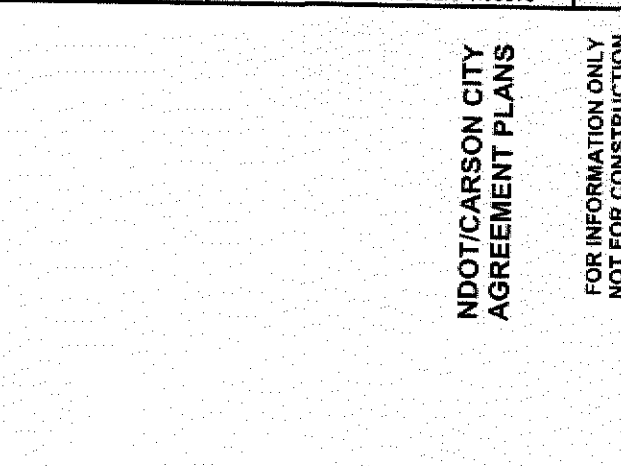
**NOTES**  
 1. SADDLE SHALL BE APPROVED BY THE CITY ENGINEER.  
 2. SADDLE SHALL BE APPROVED BY THE CITY ENGINEER.  
 3. SADDLE SHALL BE APPROVED BY THE CITY ENGINEER.  
 4. SADDLE SHALL BE APPROVED BY THE CITY ENGINEER.



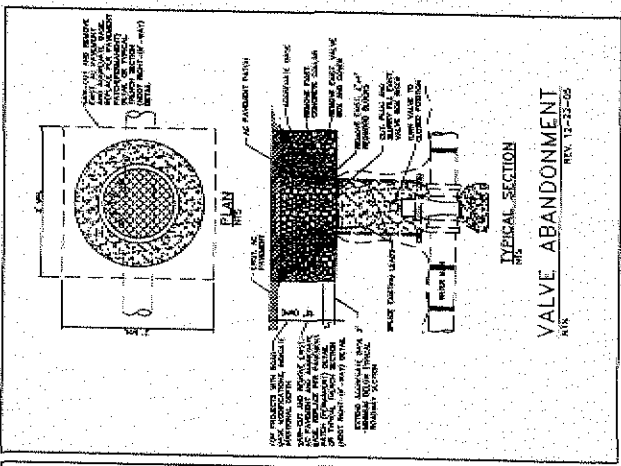
**NOTES**  
 1. WATER SERVICE TAP SHALL BE APPROVED BY THE CITY ENGINEER.  
 2. WATER SERVICE TAP SHALL BE APPROVED BY THE CITY ENGINEER.  
 3. WATER SERVICE TAP SHALL BE APPROVED BY THE CITY ENGINEER.  
 4. WATER SERVICE TAP SHALL BE APPROVED BY THE CITY ENGINEER.



**NOTES**  
 1. WATER SERVICE TAP SHALL BE APPROVED BY THE CITY ENGINEER.  
 2. WATER SERVICE TAP SHALL BE APPROVED BY THE CITY ENGINEER.  
 3. WATER SERVICE TAP SHALL BE APPROVED BY THE CITY ENGINEER.  
 4. WATER SERVICE TAP SHALL BE APPROVED BY THE CITY ENGINEER.



**NOTES**  
 1. VALVE ABANDONMENT SHALL BE APPROVED BY THE CITY ENGINEER.  
 2. VALVE ABANDONMENT SHALL BE APPROVED BY THE CITY ENGINEER.  
 3. VALVE ABANDONMENT SHALL BE APPROVED BY THE CITY ENGINEER.  
 4. VALVE ABANDONMENT SHALL BE APPROVED BY THE CITY ENGINEER.



**NOTES**  
 1. MODIFIED TRENCH EXCAVATION SHALL BE APPROVED BY THE CITY ENGINEER.  
 2. MODIFIED TRENCH EXCAVATION SHALL BE APPROVED BY THE CITY ENGINEER.  
 3. MODIFIED TRENCH EXCAVATION SHALL BE APPROVED BY THE CITY ENGINEER.  
 4. MODIFIED TRENCH EXCAVATION SHALL BE APPROVED BY THE CITY ENGINEER.

NDOT/CARSON CITY  
 AGREEMENT PLANS

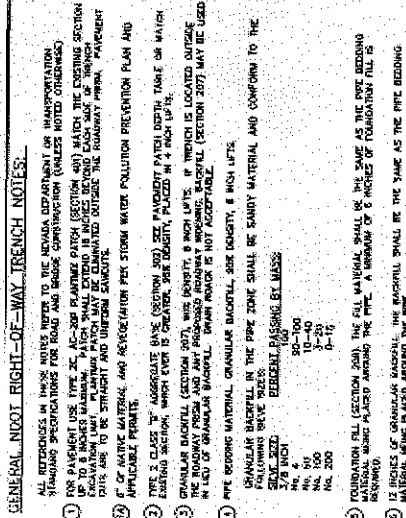
FOR INFORMATION ONLY  
 NOT FOR CONSTRUCTION

**GENERAL NDOT RIGHT-OF-WAY TRENCH NOTES:**

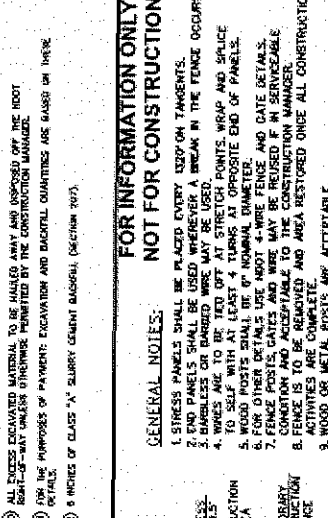
ALL DIMENSIONS IN THESE NOTES REFER TO THE EXISTING SURFACE UNLESS OTHERWISE SPECIFIED.  
 TRENCH WIDTHS SHALL BE AS SHOWN UNLESS OTHERWISE SPECIFIED.  
 FOR PAVEMENT USE TYPE 2C, AC-308 PLANTING PATCH (SECTION 401) MATCH THE EXISTING SECTION UP TO 2 INCHES MAXIMUM. PATCHES SHALL BE LOCATED OUTSIDE THE TRENCH AND BE LOCATED OUTSIDE THE ROADWAY WIDTH.  
 PATCHES SHALL BE STRAIGHT AND WITHOUT SANDWICHING.  
 1" OF NATIVE MATERIAL AND REGENERATION PER STORM WATER POLLUTION PREVENTION PLAN AND APPLICABLE PERMITS.  
 2" OF CLASS 2B AGGREGATE BASE (SECTION 202) OR EQUIVALENT FINISH DEPTH, FILL OR WHICH EXISTING SECTION, WHEN EVER IS GREATER, SHALL BE PLACED IN A 12" MIN. LAYER.  
 GRANULAR BACKFILL (SECTION 203) WITH 10% MOISTURE, 8" MIN. LAYER, IF MATERIAL IS LOCATED OUTSIDE THE ROADWAY WIDTH AND ANY PROPOSED ROADWAY CROSSING. BACKFILL (SECTION 203) MAY BE USED IN LAY OF GRANULAR BACKFILL. OTHER MOISTURE IS NOT ACCEPTABLE.  
 PIPE BEDDING MATERIAL GRANULAR BACKFILL, 8" MIN. LAYER, 8" MIN. LAYER.  
 GRANULAR BACKFILL IN THE PIPE ZONE SHALL BE SANDY MATERIAL AND COMPACT TO THE FOLLOWING SETBACKS:  
 SETBACK TO CENTERLINE OF PIPE: 12'-0"  
 SETBACK TO EXTERIOR FACE OF PIPE: 10'-0"  
 SETBACK TO EXTERIOR FACE OF MANHOLE: 10'-0"  
 SETBACK TO EXTERIOR FACE OF STRUCTURE: 10'-0"  
 SETBACK TO EXTERIOR FACE OF STRUCTURE: 10'-0"  
 SETBACK TO EXTERIOR FACE OF STRUCTURE: 10'-0"  
 SETBACK TO EXTERIOR FACE OF STRUCTURE: 10'-0"

FOUNDATION FILL (SECTION 204) THE FILL MATERIAL SHALL BE THE SAME AS THE PIPE BEDDING MATERIAL. WHEN PLACED AROUND THE PIPE, A MINIMUM OF 6 INCHES OF FOUNDATION FILL IS REQUIRED.  
 12 INCHES OF GRANULAR SANDFILL. THE SANDFILL SHALL BE THE SAME AS THE PIPE BEDDING MATERIAL. SANDFILL SHALL BE PLACED AROUND THE PIPE.  
 MINIMUM TRENCH WIDTH SHALL BE THE EXISTING WIDTH OF THE PIPE PLUS 3 FEET FOR PIPES UP TO 36 INCHES DIAMETER AND 4 FEET FOR PIPES 36 INCHES AND OVER. THE EXISTING WIDTH OF THE PIPE PLUS 3 FEET FOR PIPES UP TO 36 INCHES DIAMETER AND 4 FEET FOR PIPES 36 INCHES AND OVER. THE EXISTING WIDTH OF THE PIPE PLUS 3 FEET FOR PIPES UP TO 36 INCHES DIAMETER AND 4 FEET FOR PIPES 36 INCHES AND OVER.  
 WARNING TAPE AND 12 GAUGE GALV. STEEL CORNER LOCATOR WIRE SHALL BE PLACED AND COMPACTED TO THE TRENCH WALLS AND 12 INCHES ABOVE WATER AND 6 INCHES ABOVE THE EXISTING SURFACE. PLACE WARNING TAPE TO SHOW THE LOCATION OF THE EXISTING SURFACE.  
 ALL EXCAVATIONS MUST COMPLY TO THE LATEST OSHA AND MHA REQUIREMENTS.  
 ALL EXCAVATIONS SHALL BE PROTECTED BY SHIELDING AND PROTECTED OFF THE ROAD BY THE EXISTING SURFACE UNLESS OTHERWISE SPECIFIED BY THE CONSTRUCTION MANAGER.  
 PER THE PURPOSES OF PAYMENTS: EXCAVATION AND BACKFILL QUANTITIES ARE BASED ON THESE DETAILS.  
 8 INCHES OF CLASS "A" SLURRY GROUT BACKFILL (SECTION 203).

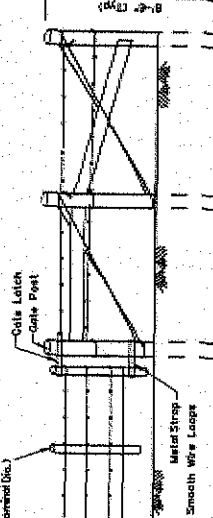
REV.	DATE	DESCRIPTION



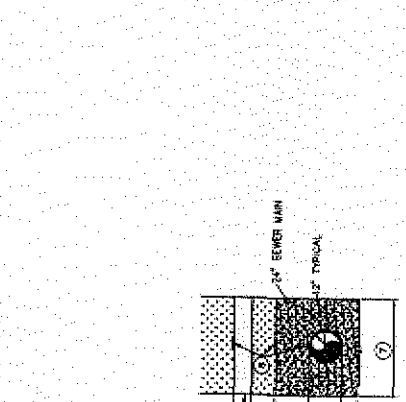
**TYPICAL TRENCH SECTION IN PAVEMENT AND SHOULDER FOR WATER MAIN**



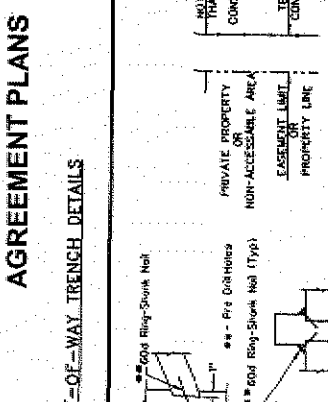
**TYPICAL TRENCH SECTION IN NON PAVED AREAS FOR WATER MAIN**



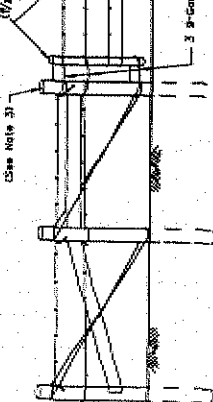
**MORTISE DETAIL**



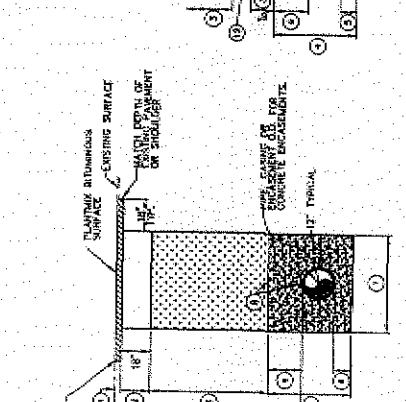
**PLACEMENT OF TEMPORARY FENCE**



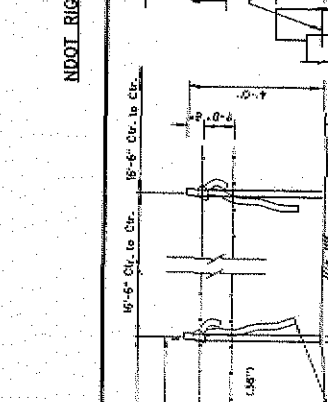
**LINE PANELS**



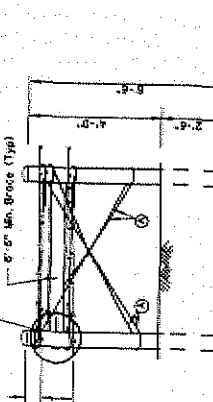
**3-POST CORNER PANEL**



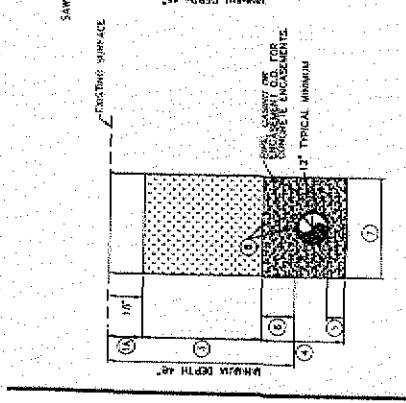
**STRESS PANEL**



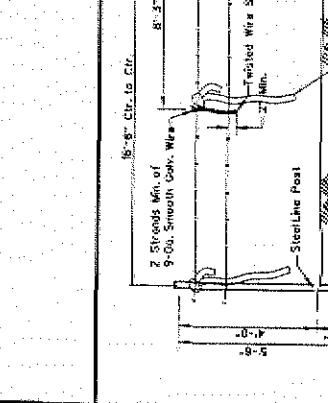
**END PANEL**



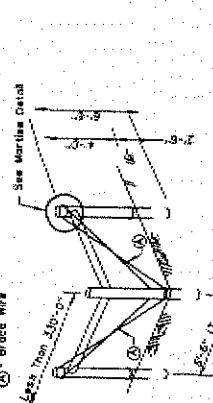
**END PANEL**



**TEMPORARY FENCE GATE DETAILS**



**TEMPORARY CONSTRUCTION FENCE DETAILS**



**TEMPORARY CONSTRUCTION FENCE DETAILS**

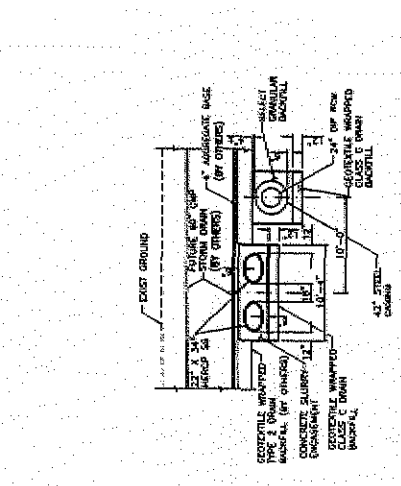


REV.	DATE	DESCRIPTION	BY	APP'D.

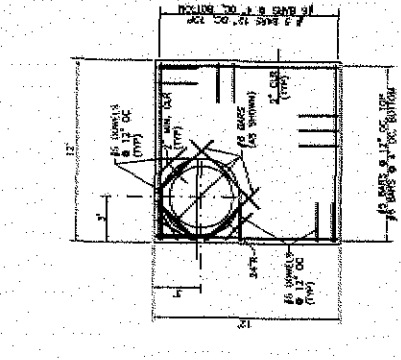
CARSON CITY FREEWAY PHASE 2A  
 UTILITY RELOCATIONS  
 PROJECT NO. 00-6010  
 TYPICAL CONSTRUCTION DETAILS

**NDOT/CARSON CITY  
 AGREEMENT PLANS**

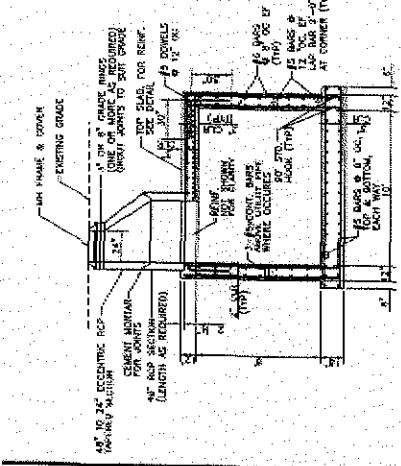
**FOR INFORMATION ONLY  
 NOT FOR CONSTRUCTION**



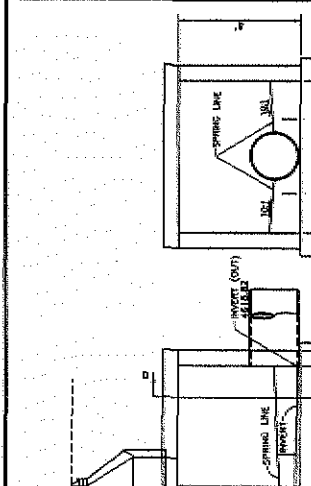
**LINEAR DITCH 80" ROW SECTION  
 = 80" BOTTOM DRAINS**  
 STA 11+50



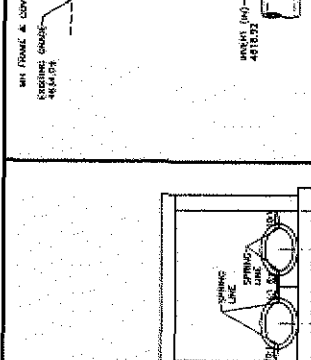
**JUNCTION CHAMBER TOP SLAB DETAIL**



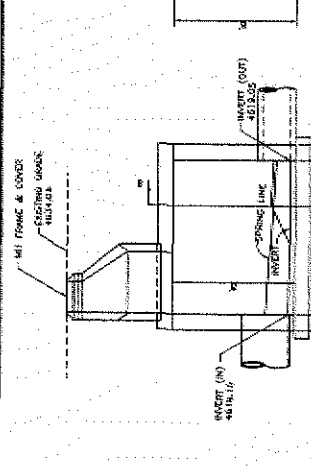
**SANITARY SEWER JUNCTION CHAMBER DETAIL**



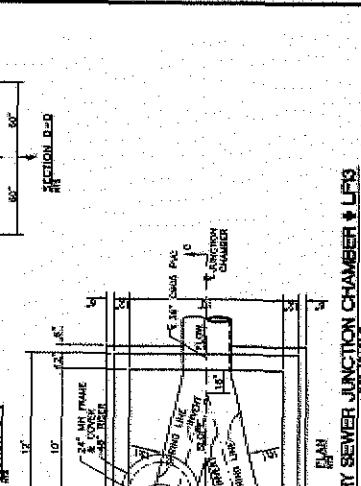
**SECTION A-A**



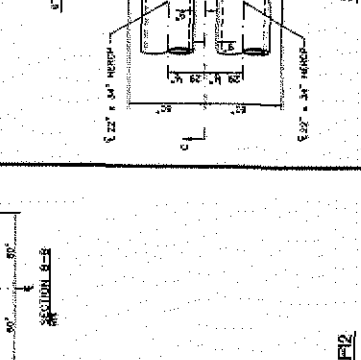
**SECTION B-B**



**SECTION C-C**

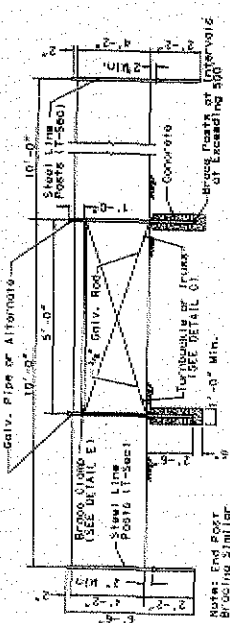


**SANITARY SEWER JUNCTION CHAMBER # LF12**  
 STA 11+87

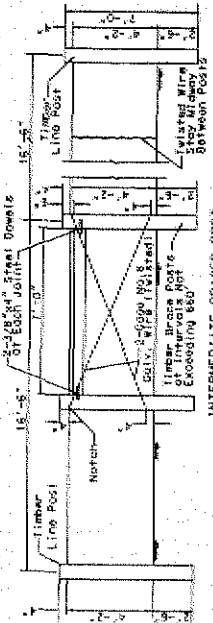


**SANITARY SEWER JUNCTION CHAMBER # LF19**  
 STA 11+82

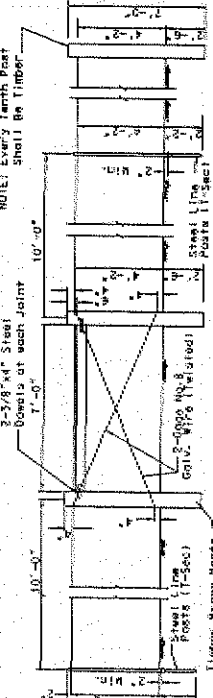
SIZE OF POSTS-STANDARD FENCING			
CORNER, END & PULL	BRACES		
	MIN. WT. (LBS./SQ. FT.)	ROUND PIPE (D.O.)	MIN. WT. (LBS./SQ. FT.)
FENCE LINE	CLASS 2	CLASS 2	CLASS 2
3" to 6"	2.375"	3.05	2.64
6" to 10"	2.375"	3.05	2.64
10" to 12"	2.375"	3.05	2.64
12" to 14"	2.375"	3.05	2.64
14" to 16"	2.375"	3.05	2.64
16" to 18"	2.375"	3.05	2.64
18" to 20"	2.375"	3.05	2.64
20" to 22"	2.375"	3.05	2.64
22" to 24"	2.375"	3.05	2.64
24" to 26"	2.375"	3.05	2.64
26" to 28"	2.375"	3.05	2.64
28" to 30"	2.375"	3.05	2.64
30" to 32"	2.375"	3.05	2.64
32" to 34"	2.375"	3.05	2.64
34" to 36"	2.375"	3.05	2.64
36" to 38"	2.375"	3.05	2.64
38" to 40"	2.375"	3.05	2.64
40" to 42"	2.375"	3.05	2.64
42" to 44"	2.375"	3.05	2.64
44" to 46"	2.375"	3.05	2.64
46" to 48"	2.375"	3.05	2.64
48" to 50"	2.375"	3.05	2.64
50" to 52"	2.375"	3.05	2.64
52" to 54"	2.375"	3.05	2.64
54" to 56"	2.375"	3.05	2.64
56" to 58"	2.375"	3.05	2.64
58" to 60"	2.375"	3.05	2.64
60" to 62"	2.375"	3.05	2.64
62" to 64"	2.375"	3.05	2.64
64" to 66"	2.375"	3.05	2.64
66" to 68"	2.375"	3.05	2.64
68" to 70"	2.375"	3.05	2.64
70" to 72"	2.375"	3.05	2.64
72" to 74"	2.375"	3.05	2.64
74" to 76"	2.375"	3.05	2.64
76" to 78"	2.375"	3.05	2.64
78" to 80"	2.375"	3.05	2.64
80" to 82"	2.375"	3.05	2.64
82" to 84"	2.375"	3.05	2.64
84" to 86"	2.375"	3.05	2.64
86" to 88"	2.375"	3.05	2.64
88" to 90"	2.375"	3.05	2.64
90" to 92"	2.375"	3.05	2.64
92" to 94"	2.375"	3.05	2.64
94" to 96"	2.375"	3.05	2.64
96" to 98"	2.375"	3.05	2.64
98" to 100"	2.375"	3.05	2.64



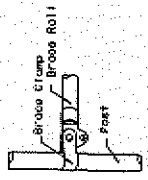
INTERMEDIATE BRACED POST  
TYPE A FENCE



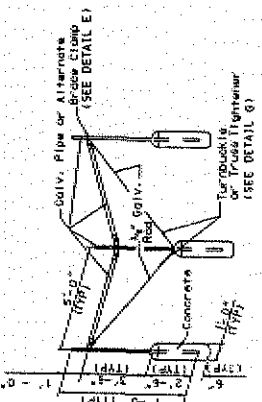
INTERMEDIATE BRACED POST  
TYPE B FENCE



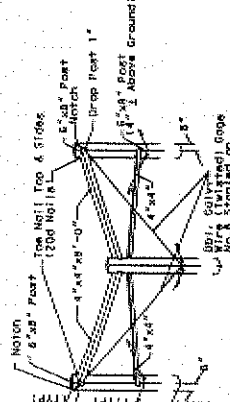
INTERMEDIATE BRACED POST  
TYPE C FENCE



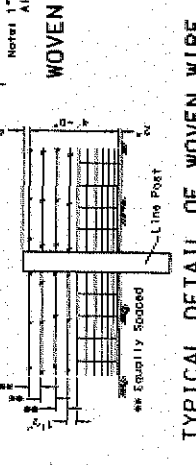
DETAIL E



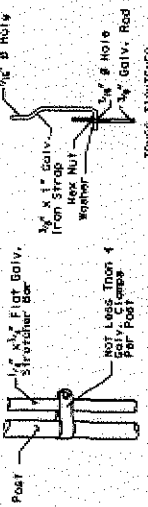
CORNER BRACE FOR  
TYPE A FENCE



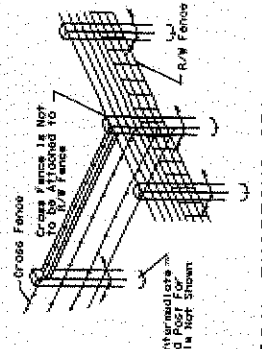
TIMBER CORNER BRACE



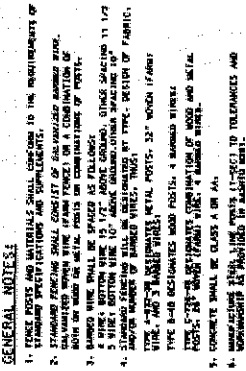
TYPICAL DETAIL OF WOVEN WIRE  
& BARBED WIRE FENCE APPLICABLE  
TO TYPE A, B & C FENCING



DETAIL F



TYPICAL EXISTING CROSS FENCE TIE



DETAIL G

**NDOT/CARSON CITY  
AGREEMENT PLANS**

**WOVEN WIRE (FARM FENCE) FOR INFORMATION ONLY  
NOT FOR CONSTRUCTION**

NEVADA DEPARTMENT OF TRANSPORTATION

**FENCE DETAILS**

Signed Original On File (R-611) (685,724)  
CHECK ROAD DESIGN ENGINEER: [Signature]

GENERAL NOTES:

- FENCE BRACE AND BRACE SHALL BE SUBJECT TO THE REQUIREMENTS OF STANDARD SPECIFICATIONS AND SUPPLEMENT.
- STANDARD FENCING SHALL CONSIST OF GALVANIZED STEEL OR ALUMINUM WITH THE FARM FENCE TO BE A COMBINATION OF GALVANIZED STEEL AND ALUMINUM.
- WOVEN WIRE SHALL BE WIRE AS FOLLOWS: 1. WIRE SHALL BE 1/2" ABOVE GRADE. 2. WIRE SHALL BE 1/2" ABOVE GRADE. 3. WIRE SHALL BE 1/2" ABOVE GRADE. 4. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 5. WIRE SHALL BE 1/2" ABOVE GRADE. 6. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 7. WIRE SHALL BE 1/2" ABOVE GRADE. 8. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 9. WIRE SHALL BE 1/2" ABOVE GRADE. 10. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 11. WIRE SHALL BE 1/2" ABOVE GRADE. 12. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 13. WIRE SHALL BE 1/2" ABOVE GRADE. 14. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 15. WIRE SHALL BE 1/2" ABOVE GRADE. 16. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 17. WIRE SHALL BE 1/2" ABOVE GRADE. 18. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 19. WIRE SHALL BE 1/2" ABOVE GRADE. 20. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 21. WIRE SHALL BE 1/2" ABOVE GRADE. 22. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 23. WIRE SHALL BE 1/2" ABOVE GRADE. 24. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 25. WIRE SHALL BE 1/2" ABOVE GRADE. 26. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 27. WIRE SHALL BE 1/2" ABOVE GRADE. 28. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 29. WIRE SHALL BE 1/2" ABOVE GRADE. 30. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 31. WIRE SHALL BE 1/2" ABOVE GRADE. 32. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 33. WIRE SHALL BE 1/2" ABOVE GRADE. 34. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 35. WIRE SHALL BE 1/2" ABOVE GRADE. 36. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 37. WIRE SHALL BE 1/2" ABOVE GRADE. 38. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 39. WIRE SHALL BE 1/2" ABOVE GRADE. 40. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 41. WIRE SHALL BE 1/2" ABOVE GRADE. 42. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 43. WIRE SHALL BE 1/2" ABOVE GRADE. 44. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 45. WIRE SHALL BE 1/2" ABOVE GRADE. 46. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 47. WIRE SHALL BE 1/2" ABOVE GRADE. 48. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 49. WIRE SHALL BE 1/2" ABOVE GRADE. 50. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 51. WIRE SHALL BE 1/2" ABOVE GRADE. 52. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 53. WIRE SHALL BE 1/2" ABOVE GRADE. 54. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 55. WIRE SHALL BE 1/2" ABOVE GRADE. 56. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 57. WIRE SHALL BE 1/2" ABOVE GRADE. 58. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 59. WIRE SHALL BE 1/2" ABOVE GRADE. 60. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 61. WIRE SHALL BE 1/2" ABOVE GRADE. 62. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 63. WIRE SHALL BE 1/2" ABOVE GRADE. 64. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 65. WIRE SHALL BE 1/2" ABOVE GRADE. 66. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 67. WIRE SHALL BE 1/2" ABOVE GRADE. 68. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 69. WIRE SHALL BE 1/2" ABOVE GRADE. 70. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 71. WIRE SHALL BE 1/2" ABOVE GRADE. 72. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 73. WIRE SHALL BE 1/2" ABOVE GRADE. 74. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 75. WIRE SHALL BE 1/2" ABOVE GRADE. 76. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 77. WIRE SHALL BE 1/2" ABOVE GRADE. 78. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 79. WIRE SHALL BE 1/2" ABOVE GRADE. 80. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 81. WIRE SHALL BE 1/2" ABOVE GRADE. 82. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 83. WIRE SHALL BE 1/2" ABOVE GRADE. 84. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 85. WIRE SHALL BE 1/2" ABOVE GRADE. 86. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 87. WIRE SHALL BE 1/2" ABOVE GRADE. 88. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 89. WIRE SHALL BE 1/2" ABOVE GRADE. 90. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 91. WIRE SHALL BE 1/2" ABOVE GRADE. 92. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 93. WIRE SHALL BE 1/2" ABOVE GRADE. 94. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 95. WIRE SHALL BE 1/2" ABOVE GRADE. 96. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 97. WIRE SHALL BE 1/2" ABOVE GRADE. 98. WIRE SHALL BE 1/2" ABOVE GRADE.
- WIRE SHALL BE 1/2" ABOVE GRADE. 99. WIRE SHALL BE 1/2" ABOVE GRADE. 100. WIRE SHALL BE 1/2" ABOVE GRADE.

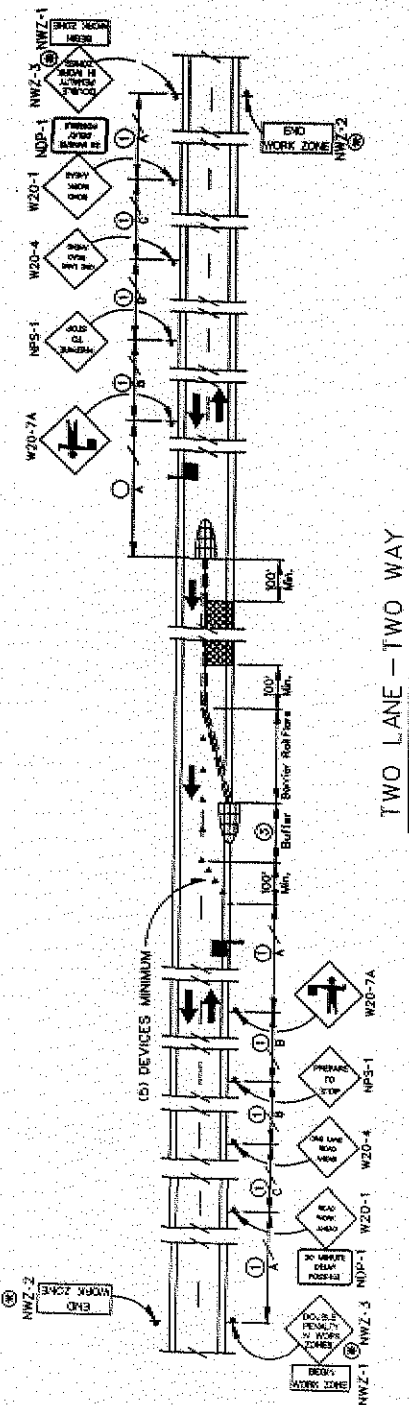
NOTES:  
1. THE WIRE SHALL BE TYPE A-B FENCING.  
2. THE WIRE SHALL BE TYPE A-B FENCING.  
3. THE WIRE SHALL BE TYPE A-B FENCING.



REV.	DATE	DESCRIPTION	BY	APP'D.

CARSON CITY FREEWAY PHASE 2A  
 UTILITY RELOCATIONS  
 E. FIFTH ST. FREEWAY EAST. (FROM NORTH TO SOUTH)  
 PROJECT No. DD-85419  
 TYPICAL CONSTRUCTION DETAILS

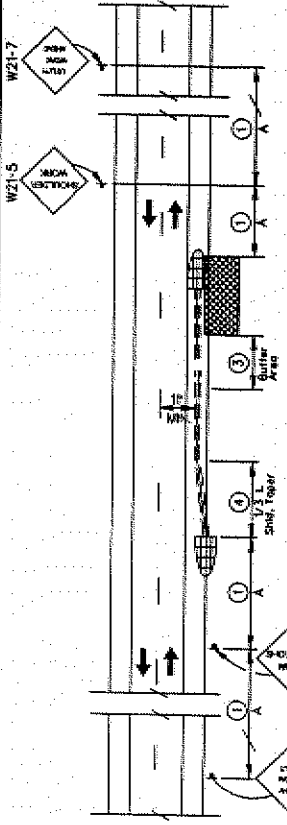
SHEET  
 34E  
 OF  
 34



TWO LANE - TWO WAY

NDOT/CARSON CITY AGREEMENT PLANS

FOR INFORMATION ONLY  
NOT FOR CONSTRUCTION



SHOULDER WORK

1. THE FOLLOWING STANDARD DRAWINGS FROM THE NDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION, 2005 SHALL APPLY:

- 1-35.1.1 TYPICAL TABLES/NOTES FOR TRAFFIC CONTROL SHEETS T-35.1.1 THRU T-35.1.17
- 1-35.1.3 TYPICAL TRAFFIC CONTROL FOR PORTABLE PRECAST CONCRETE BARRIER RAIL CLOSURES (TWO LANE-TWO WAY ONLY)
- 1-35.2.1 TRAFFIC CONTROL CONES, DRUMS, AND VERTICAL PANELS
- 1-35.2.2 TRAFFIC CONTROL TEMPORARY IMPACT ATTENUATORS

2. IN ADDITION TO STANDARDS IN NOTE 1, THE FOLLOWING ADDITIONAL REFERENCES SHALL APPLY: THE AASHTO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS SUPPLEMENTED WITH NEVADA AND CARSON CITY MODIFICATIONS OF THE OCCUPANCY PERMIT ISSUED FOR THIS PROJECT BY THE NEVADA DEPARTMENT OF TRANSPORTATION TO CARSON CITY.

3. THIS SHEET IS PROVIDED AS A FORMAT FOR THE CONTRACTOR TO DEVELOP A TRAFFIC CONTROL PLAN THAT ACCOMMODATES THE CONTRACTOR'S PROPOSED CONSTRUCTION OPERATIONS. IT WAS ALSO USED FOR DEVELOPING TRAFFIC CONTROL FOR THE CONDITIONS OF THE NDOT OCCUPANCY PERMIT ISSUED TO CARSON CITY. THE CONTRACTOR'S TRAFFIC CONTROL PLAN MAY VARY BUT MUST CONFORM TO THE INTENT OF THESE DOCUMENTS. THE CONTRACTOR SHALL REVIEW THE PLAN FOR CONFORMANCE TO THE ABOVE STANDARDS AND PERMIT CONDITIONS VARIANCE BY THE CONTRACTOR DURING CONSTRUCTION FROM THE SUBMITTED PLAN MUST BE SUBMITTED IN WRITING TO THE ENGINEER.

4. ALL TRAFFIC CONTROL SHALL MEET MINIMUM CRITERIA FOR 40 mph ON SR-513 E. FIFTH STREET.

**LEGEND**

- Work Area
- Channelizing Devices (See Tables)
- Channelizing Devices (33" Spacing)
- Arrow Board
- ≥ 4.5 mph
- See GENERAL NOTE No. 1

See T-35.1-1 For TABLES and GENERAL NOTES

ALL TRAFFIC CONTROL SHALL MEET MINIMUM CRITERIA FOR 40 mph ON E. FIFTH STREET  
 E. FIFTH STREET (SR-513)  
 TRAFFIC CONTROL IN NDOT ROW-1

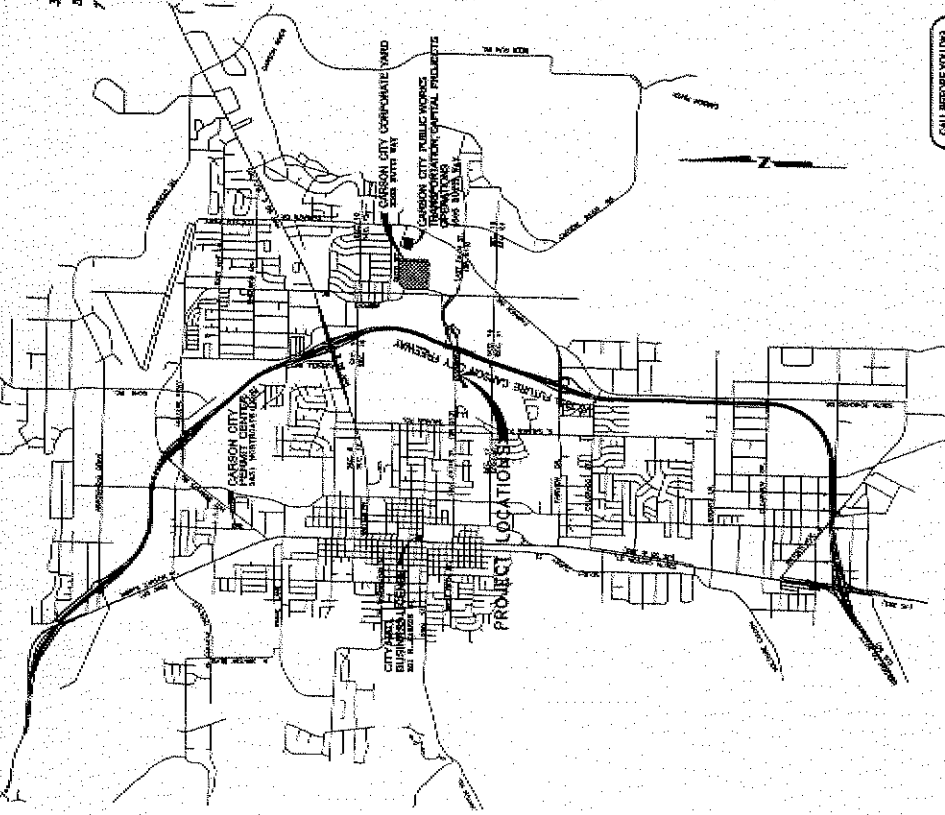
# CARSON CITY FREEWAY PHASE 2A UTILITY RELOCATIONS

E. FIFTH ST. WEST OF FREEWAY  
CARSON CITY, NEVADA - SEC 16, T15N, R20E  
PROJECT 00-6010

EXHIBIT "B"

**SHEET INDEX**

- 1 TITLE SHEET
- 2 INDEX MAP, ABBREVIATIONS, LEGEND AND CONTROL POINTS
- 3 - 4 E. FIFTH ST. WEST OF FREEWAY - SANITARY SEWER
- 5 - 6 E. FIFTH ST. WEST OF FREEWAY - WATER
- 7 - 11 TYPICAL CONSTRUCTION DETAILS



**BOARD OF SUPERVISORS**

- Mary Teixeira Mayor
- Rabin Williamson Supervisor
- Shelly Aldaan Supervisor
- Pete Livermore Supervisor
- Richard Staub Supervisor
- Alan Glover City Clerk

**DESIGNED FOR:**

CARSON CITY PUBLIC WORKS  
OPERATIONS DIVISION  
3505 BUTTI WAY  
CARSON CITY, NV 89701  
887-2355

**GENERAL NOTES:**

1. ALL WORK SHALL CONFORM TO THE STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION AS ADOPTED BY CARSON CITY, AND APPLICABLE WEST STANDARD CONSTRUCTION IN EACH RESPECTIVE AREA.
2. ALL UTILITY CONTRACTS AND SUBCONTRACTS WITHIN THE PROJECT AREA MUST BE SUBJECT TO THE STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION AS ADOPTED BY CARSON CITY, AND APPLICABLE WEST STANDARD CONSTRUCTION IN EACH RESPECTIVE AREA.
3. THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT (CALL BEFORE YOU DIG) AT 1-800-487-3869 (48) HOURS PRIOR TO START OF CONSTRUCTION.
4. THE LOCATION OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS IS BASED ON THE BEST AVAILABLE INFORMATION AND FIELD SURVEY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THESE UTILITIES AT THE PROPOSED POINTS OF CONSTRUCTION AND TO NOTIFY THESE UTILITIES IMMEDIATELY PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND REPAIR OF ALL UTILITIES ENCOUNTERED AT THE FIELD AND THE INFORMATION SHOWN ON THESE DRAWINGS SHALL, WITH THE EXCEPTER BEFORE PROCEEDING WITH CONSTRUCTION.
5. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONFORMANCE OF ALL WORK SHOWN ON THESE DRAWINGS AND TO MAINTAIN ALL UTILITIES IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS AND ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND REPAIR OF ALL UTILITIES ENCOUNTERED AT THE FIELD AND THE INFORMATION SHOWN ON THESE DRAWINGS SHALL, WITH THE EXCEPTER BEFORE PROCEEDING WITH CONSTRUCTION.
6. SHOULD IT APPEAR THAT THE WORK TO BE DONE ON ANY UTILITY RELATIVE TO THIS PROJECT IS NOT FULLY DETAILED OR EXHAUSTIVE ON THESE PLANS, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR SUCH FURTHER EXPLANATIONS AS MAY BE NECESSARY.
7. THE CONTRACTOR SHALL CALL CARSON CITY DEVELOPMENT ENGINEERING (887-3300) AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
8. APPROVAL OF THESE PLANS DOES NOT CONSTITUTE AN ENDORSEMENT OR GUARANTEE BY CARSON CITY OF THE ACCURACY OF THE INFORMATION SHOWN ON THESE PLANS. APPROVAL BY PUBLIC WORKS WILL BE LIMITED TO THE TECHNICAL ASPECTS OF THE DRAWINGS.
9. THE APPROVED PLANS, PERMITS, AND INSPECTION RECORD MUST BE ON THE JOB SITE AT ALL TIMES.
10. PLAN APPROVAL SHALL COVER ONE YEAR FROM DATE OF APPROVAL UNLESS OTHERWISE NOTED.

VICINITY MAP  
N.E.S.



NDOT/CARSON CITY  
AGREEMENT PLANS

FOR INFORMATION ONLY  
NOT FOR CONSTRUCTION

REVIEWED FOR CITY REQUIREMENTS:

LAWRENCE A. WERNER, P.E./N.E.S. - CITY ENGINEER	DATE
DEVELOPMENT ENGINEER(S)	DATE
TOM HOFFERT, PUBLIC WORKS OPERATIONS MANAGER	DATE

APPLICATION NO. \_\_\_\_\_  
NDOT APPLICATION NO. \_\_\_\_\_

**CARSON CITY PUBLIC WORKS DEPARTMENT**  
1515 WEST 22ND STREET, CARSON CITY, NEVADA 89701  
PH: 887-2322 FAX: 887-2313

**THE LOUIS BERGER GROUP, INC.**  
1000 WEST WYOMING STREET, SUITE 200, CARSON CITY, NEVADA 89701  
PH: 887-2322 FAX: 887-2313

**PRELIMINARY**  
09/20/06

NO.	DATE	DESCRIPTION	BY	APP'D.

**CARSON CITY FREEWAY PHASE 2A**  
UTILITY RELOCATIONS  
E. FIFTH ST. WEST OF FREEWAY  
PROJECT NO. 00-6010  
TITLE SHEET

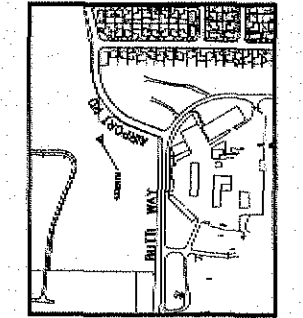
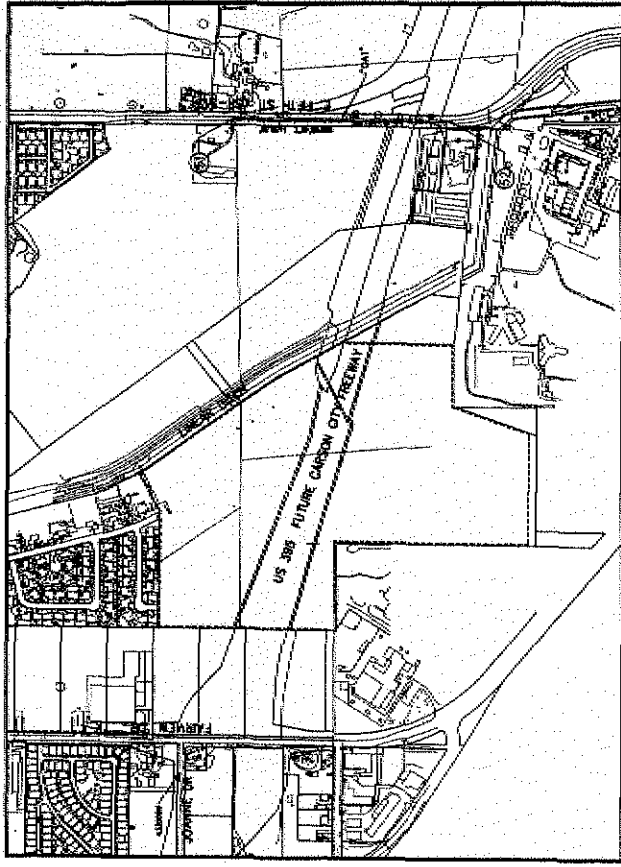
SHEET  
11  
OF  
11

CARSON CITY PUBLIC WORKS DEPARTMENT  
 THE LOUIS BERGER GROUP, INC.  
 THE LOUIS BERGER GROUP, INC.  
 CIVIL ENGINEERS  
 195 WEST 4TH STREET, SUITE 200  
 CARSON CITY, NEVADA 89401  
 PHONE (702) 243-1111  
 FAX (702) 243-1112  
 PROJECT NO. 19-118  
 SHEET NO. 20 OF 20  
 PRELIMINARY

NO.	DATE	DESCRIPTION	BY	APP'D.

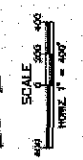
CARSON CITY FREEWAY PHASE 2A  
 UTILITY RELOCATIONS  
 E. 7TH ST. WEST OF FREEWAY  
 PROJECT NO. 19-118  
 SHEET INDEX, ABBREVIATIONS, LEGEND

20  
 11  
 M  
 STREET



## NDOT/CARSON CITY AGREEMENT PLANS

FOR INFORMATION ONLY  
 NOT FOR CONSTRUCTION



### CONTROL POINTS

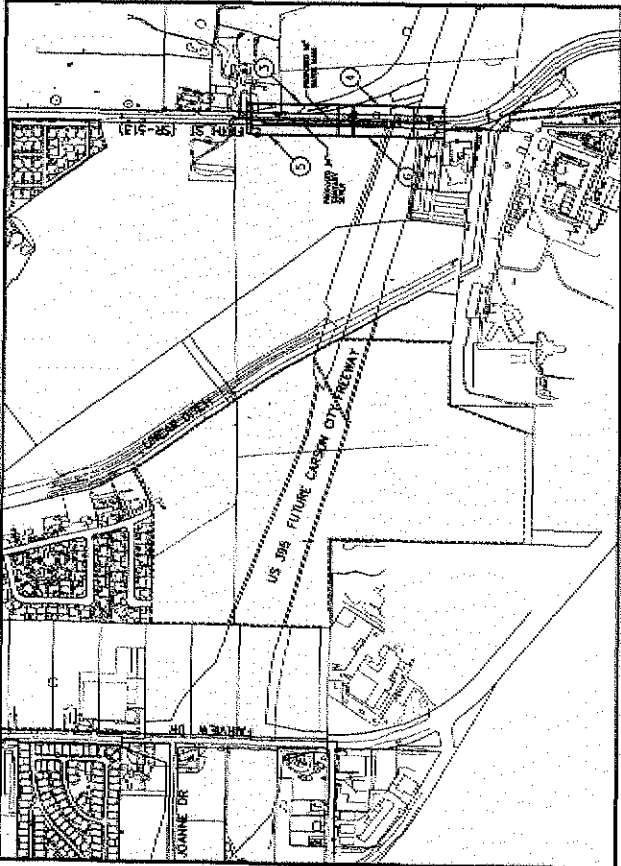
**BASIS OF BEARING:**  
 NORTH 28°11'41" EAST, RANGING LINE AND SCALING BETWEEN NEVADA DEPARTMENT OF TRANSPORTATION MONUMENTS 4330000 AND 4330100, (NEVADA WEST) VALUES AS SHOWN.  
 4330000 (CORN) NORTHWARD HEADING 57, EASTING 17400342  
 4330100 (CORN) NORTHWARD HEADING 41, EASTING 17400018  
 (VALUES SHOWN ARE IN U.S. SURVEY FEET)  
 THE ABOVE AREA, CURVED RADIUS OF 43089792540 WAS USED TO CONVERT TO GROUND COORDINATES.

### BASIS OF ELEVATION

NAUTICAL INSTRUMENT SHOWS THE ELEVATION OF NEVADA DEPARTMENT OF TRANSPORTATION CONSTRUCTION MONUMENT 4330000 WHICH CORRESPONDS TO CONCRETE GROUND MARK. GROUND STAMPED '4330000' LOCATED ON WEST OF THE WEST SIDE OF JOHANNES DRIVE 700 SOUTH OF THE SOUTH SIDE OF FURNACE DR.

**HORIZONTAL CONTROL POINTS**

POINT	NORTHING	EASTING	REMARKS
1	6684658.603	1730322.074	TAPE 24+40.00 P.A.I.
2	6684658.603	1730322.074	TAPE 24+40.00 P.A.I.
3	6684658.603	1730322.074	TAPE 24+40.00 P.A.I.



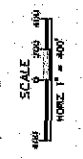
### SHEET INDEX

- LEGEND:**
- EXISTING (Symbol)
  - NEW (Symbol)
  - 3" WATER MAIN (Symbol)
  - 2" WATER MAIN (Symbol)
  - 1" WATER MAIN (Symbol)
  - RECLAIMED WATER (Symbol)
  - CENTER OR CONTROL LINE (Symbol)
  - APPROXIMATE PROPERTY LINE (Symbol)
  - SEWER MANHOLE (Symbol)
  - HORIZONTAL CONTROL POINT (Symbol)
  - EDGE OF PAVEMENT (Symbol)
  - 16" FIRE MAIN (Symbol)
  - UTILITY VALVE (Symbol)
  - UTILITY METER (Symbol)
  - POWER POLE (Symbol)
  - TREE (Symbol)

- ABBREVIATIONS:**
- ARROW (Symbol)
  - CALCULATED CONSTRUCTION (Symbol)
  - EXISTING (Symbol)
  - NEW (Symbol)
  - 18" WATER MAIN (Symbol)
  - 12" WATER MAIN (Symbol)
  - 8" WATER MAIN (Symbol)
  - 6" WATER MAIN (Symbol)
  - 4" WATER MAIN (Symbol)
  - 3" WATER MAIN (Symbol)
  - 2" WATER MAIN (Symbol)
  - 1" WATER MAIN (Symbol)
  - RECLAIMED WATER (Symbol)
  - SEWER MANHOLE (Symbol)
  - 18" POLYVINYL CHLORIDE (Symbol)
  - 12" POLYVINYL CHLORIDE (Symbol)
  - 8" POLYVINYL CHLORIDE (Symbol)
  - 6" POLYVINYL CHLORIDE (Symbol)
  - 4" POLYVINYL CHLORIDE (Symbol)
  - 3" POLYVINYL CHLORIDE (Symbol)
  - 2" POLYVINYL CHLORIDE (Symbol)
  - 1" POLYVINYL CHLORIDE (Symbol)
  - RECLAIMED WATER (Symbol)
  - SEWER MANHOLE (Symbol)
  - 18" SANITARY SEWER (Symbol)
  - 12" SANITARY SEWER (Symbol)
  - 8" SANITARY SEWER (Symbol)
  - 6" SANITARY SEWER (Symbol)
  - 4" SANITARY SEWER (Symbol)
  - 3" SANITARY SEWER (Symbol)
  - 2" SANITARY SEWER (Symbol)
  - 1" SANITARY SEWER (Symbol)
  - RECLAIMED WATER (Symbol)

### MILEPOST SUMMARY

- 1.8" SANITARY SEWER LOCATED ON E. 7TH STREET (59113)
- 2.1" SANITARY SEWER LOCATED ON 1/4" WEST OF 2ND STREET (59113)
- 1.8" SANITARY SEWER LOCATED ON E. 7TH STREET (59113)
- 1.8" SANITARY SEWER LOCATED ON 1/4" WEST OF 2ND STREET (59113)
- 1.8" SANITARY SEWER LOCATED ON E. 7TH STREET (59113)
- 1.8" SANITARY SEWER LOCATED ON 1/4" WEST OF 2ND STREET (59113)
- 1.8" SANITARY SEWER LOCATED ON E. 7TH STREET (59113)
- 1.8" SANITARY SEWER LOCATED ON 1/4" WEST OF 2ND STREET (59113)



FOR THE CITY ENGINEER: CARSON CITY ENGINEER: THE LOUIS BERGER GROUP, INC. CIVIL ENGINEERS, 195 WEST 4TH STREET, SUITE 200, CARSON CITY, NEVADA 89401, PHONE (702) 243-1111, FAX (702) 243-1112.

**CARSON CITY FREEWAY PHASE 2A UTILITY RELOCATIONS**  
 E. FIFTH ST. WEST OF FREEWAY  
 PROJECT NO. 90-801D  
 SANITARY SEWER RELOCATION  
 "041" 73+00 to "041" 79+00

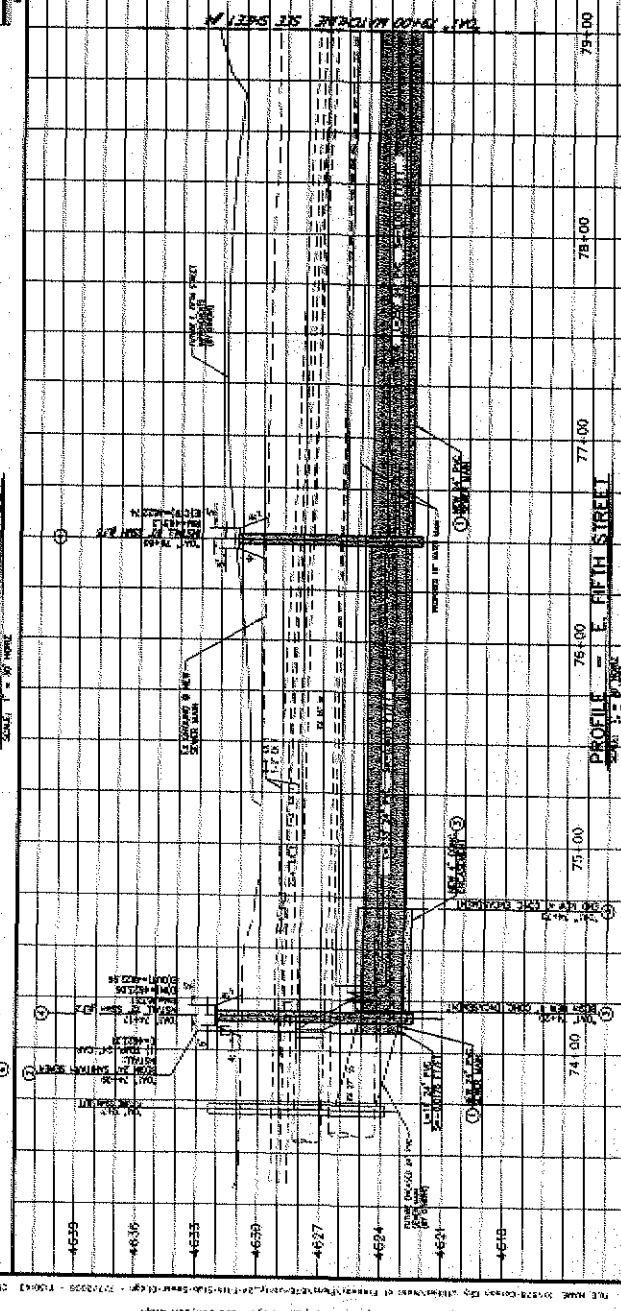
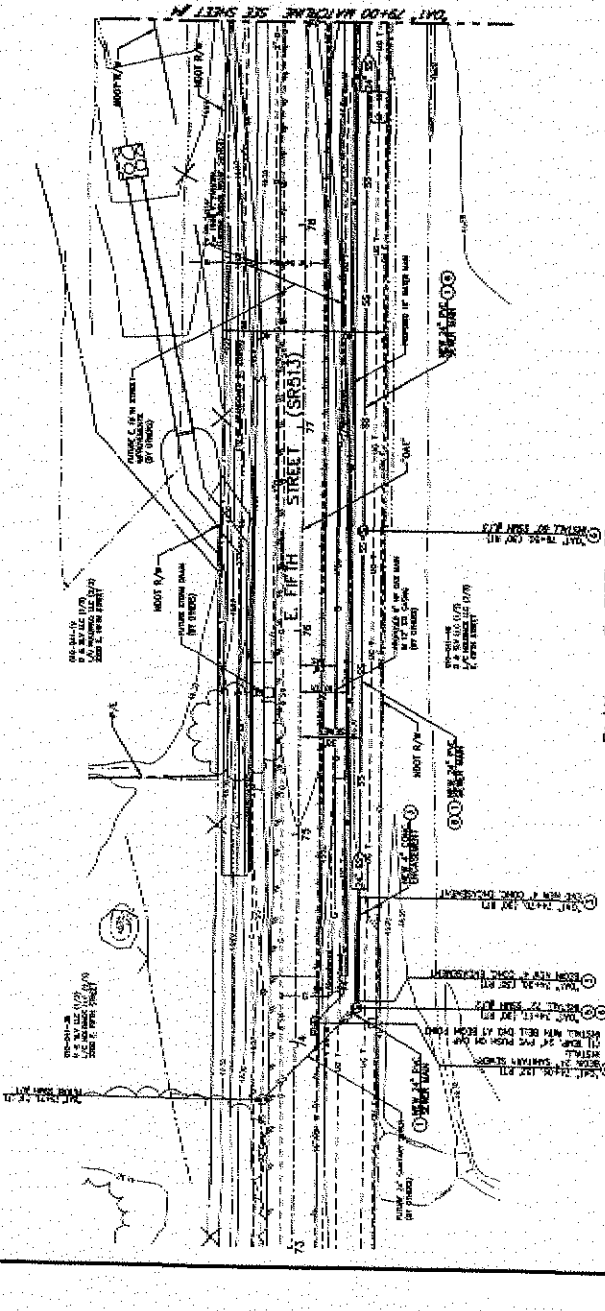
**CONSTRUCTION NOTES:**

- INSTALL 24" HDPE SPP 1975, 10% STRENGTH PER DETAIL SHEET 11.
- INSTALL 4" HDPE 10' MANHOLE WITH 12" RISE, 18" DIA. EXHAUST TO 18" DIA. SPP (SEE DETAIL SHEET 11).
- INSTALL 4" HDPE 10' MANHOLE WITH 12" RISE, 18" DIA. EXHAUST TO 18" DIA. SPP (SEE DETAIL SHEET 11).
- INSTALL 4" HDPE 10' MANHOLE WITH 12" RISE, 18" DIA. EXHAUST TO 18" DIA. SPP (SEE DETAIL SHEET 11).
- INSTALL 4" HDPE 10' MANHOLE WITH 12" RISE, 18" DIA. EXHAUST TO 18" DIA. SPP (SEE DETAIL SHEET 11).
- INSTALL 4" HDPE 10' MANHOLE WITH 12" RISE, 18" DIA. EXHAUST TO 18" DIA. SPP (SEE DETAIL SHEET 11).
- INSTALL 4" HDPE 10' MANHOLE WITH 12" RISE, 18" DIA. EXHAUST TO 18" DIA. SPP (SEE DETAIL SHEET 11).
- INSTALL 4" HDPE 10' MANHOLE WITH 12" RISE, 18" DIA. EXHAUST TO 18" DIA. SPP (SEE DETAIL SHEET 11).
- INSTALL 4" HDPE 10' MANHOLE WITH 12" RISE, 18" DIA. EXHAUST TO 18" DIA. SPP (SEE DETAIL SHEET 11).
- INSTALL 4" HDPE 10' MANHOLE WITH 12" RISE, 18" DIA. EXHAUST TO 18" DIA. SPP (SEE DETAIL SHEET 11).

**NDOT/CARSON CITY AGREEMENT PLANS**

FOR INFORMATION ONLY  
 NOT FOR CONSTRUCTION

SCALE: 1" = 20'



STATION	ELEVATION
74+00	7040.00
75+00	7060.00
76+00	7080.00
77+00	7100.00
78+00	7110.00
79+00	7120.00



**CONSTRUCTION NOTES**  
 (1) REPAIRED BY THE CONTRACTOR FOR THE DRAWING IS SHOWN.  
 (2) REPAIRED BY THE CONTRACTOR FOR THE DRAWING IS SHOWN.  
 (3) REPAIRED BY THE CONTRACTOR FOR THE DRAWING IS SHOWN.  
 (4) REPAIRED BY THE CONTRACTOR FOR THE DRAWING IS SHOWN.  
 (5) REPAIRED BY THE CONTRACTOR FOR THE DRAWING IS SHOWN.  
 (6) REPAIRED BY THE CONTRACTOR FOR THE DRAWING IS SHOWN.  
 (7) REPAIRED BY THE CONTRACTOR FOR THE DRAWING IS SHOWN.  
 (8) REPAIRED BY THE CONTRACTOR FOR THE DRAWING IS SHOWN.  
 (9) REPAIRED BY THE CONTRACTOR FOR THE DRAWING IS SHOWN.  
 (10) REPAIRED BY THE CONTRACTOR FOR THE DRAWING IS SHOWN.

- CONSTRUCTION NOTES**
1. REPAIRED BY THE CONTRACTOR FOR THE DRAWING IS SHOWN.
  2. REPAIRED BY THE CONTRACTOR FOR THE DRAWING IS SHOWN.
  3. REPAIRED BY THE CONTRACTOR FOR THE DRAWING IS SHOWN.
  4. REPAIRED BY THE CONTRACTOR FOR THE DRAWING IS SHOWN.
  5. REPAIRED BY THE CONTRACTOR FOR THE DRAWING IS SHOWN.
  6. REPAIRED BY THE CONTRACTOR FOR THE DRAWING IS SHOWN.
  7. REPAIRED BY THE CONTRACTOR FOR THE DRAWING IS SHOWN.
  8. REPAIRED BY THE CONTRACTOR FOR THE DRAWING IS SHOWN.
  9. REPAIRED BY THE CONTRACTOR FOR THE DRAWING IS SHOWN.
  10. REPAIRED BY THE CONTRACTOR FOR THE DRAWING IS SHOWN.

**PRELIMINARY**  
 09/20/06

**CARSON CITY**  
 UTILITY RELOCATION PHASE 2A  
 L. FLEMING ST. WEST OF HENRY ST.  
 PROJECT No. 09-50-010  
 16" WATER MAIN

**SHEET**  
 5W  
 11

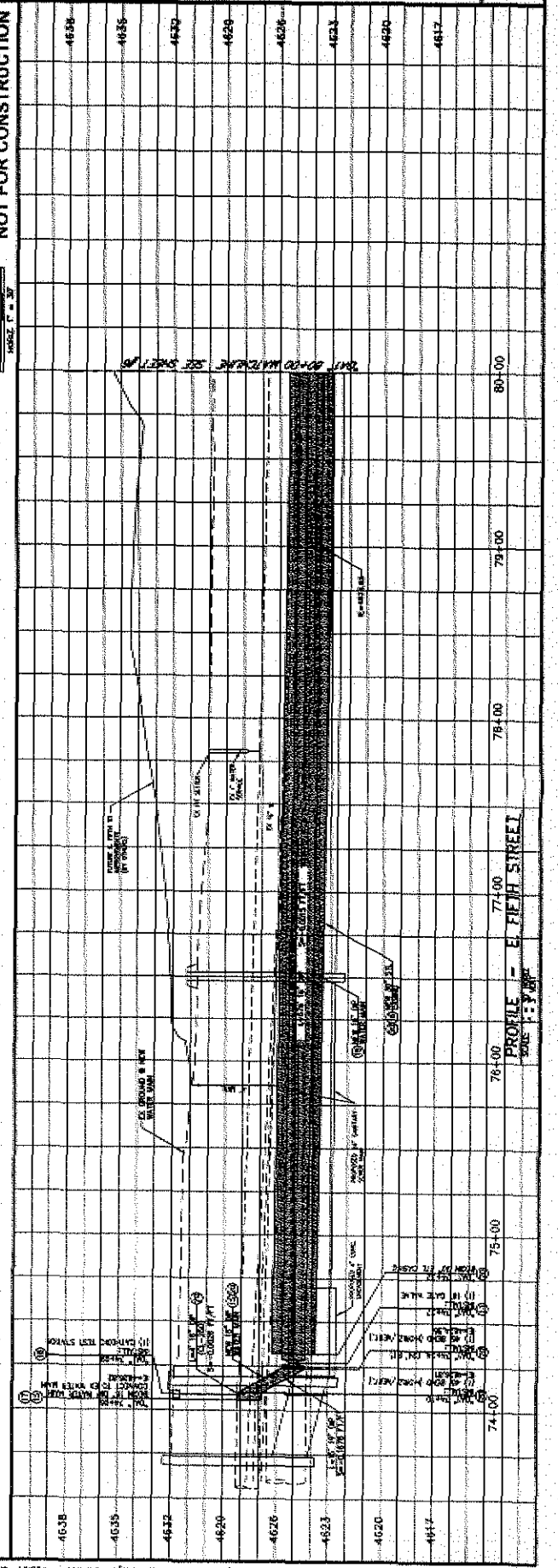
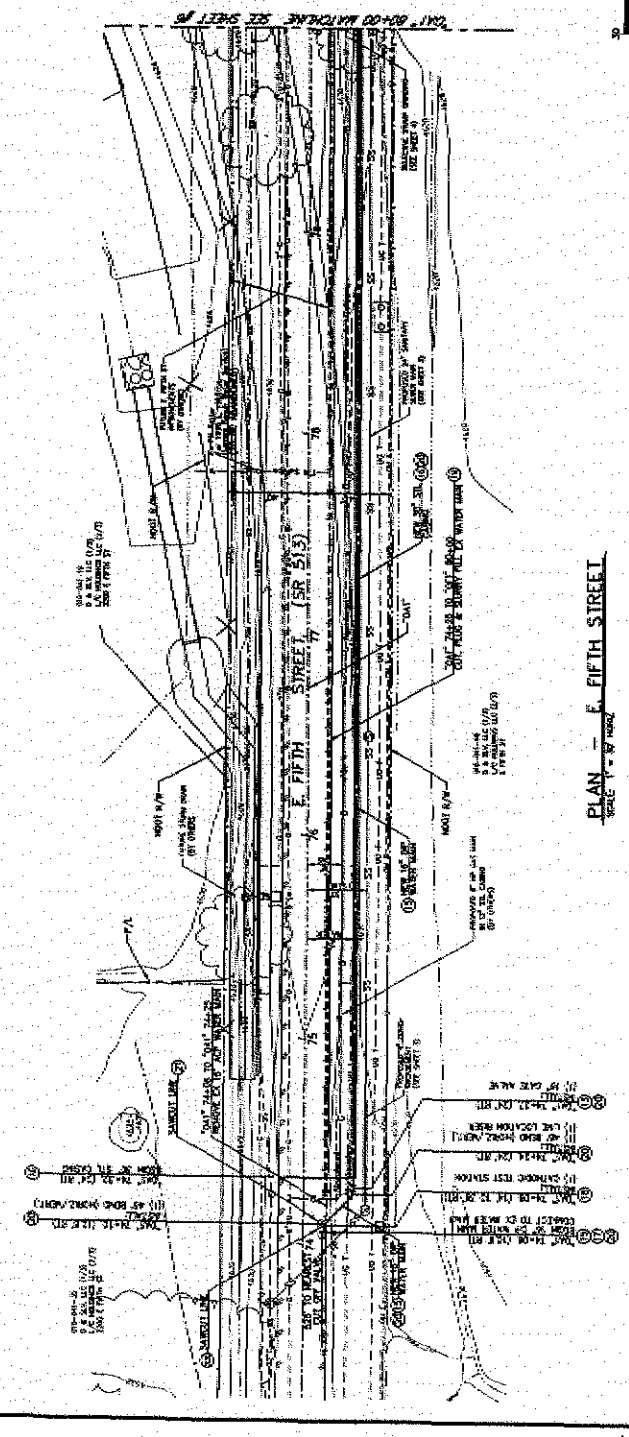
**NDOT/CARSON CITY AGREEMENT PLANS**

**FOR INFORMATION ONLY  
 NOT FOR CONSTRUCTION**

SCALE: 1" = 20' (HORIZONTAL)  
 1" = 5' (VERTICAL)

**PLAN - F. FIFTH STREET**  
 SCALE: 1" = 20'

**PROFILE - E. FIFTH STREET**  
 SCALE: 1" = 5'

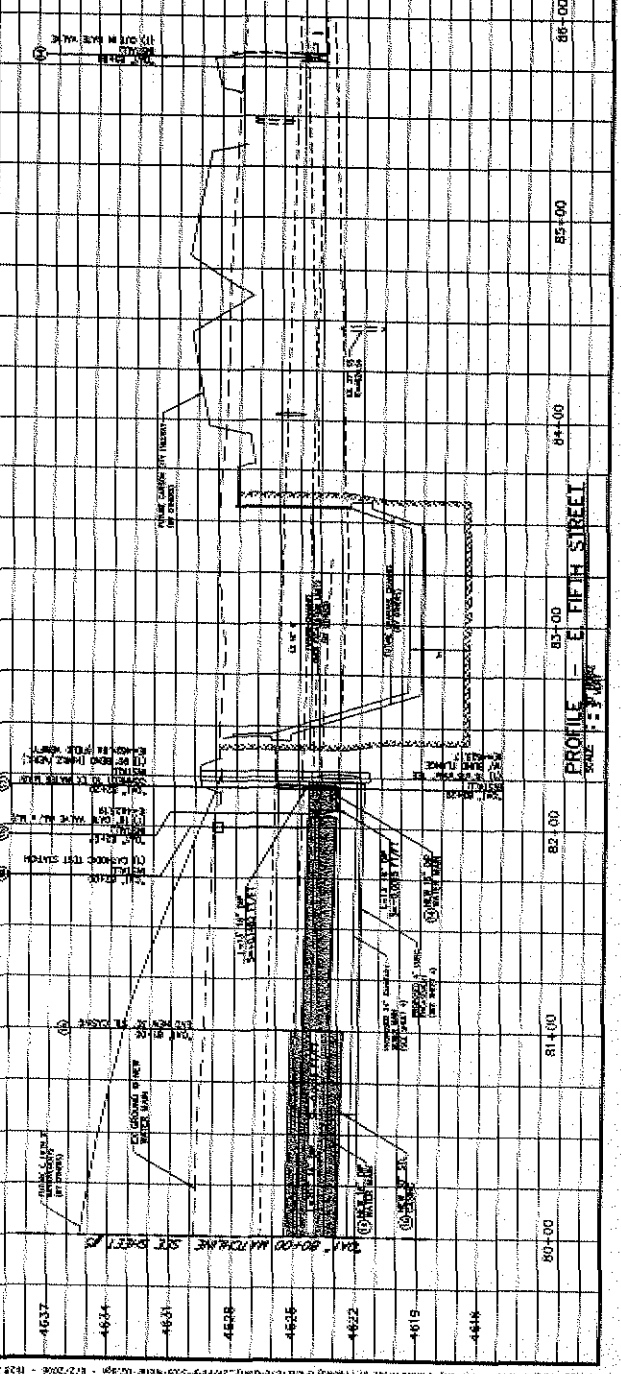
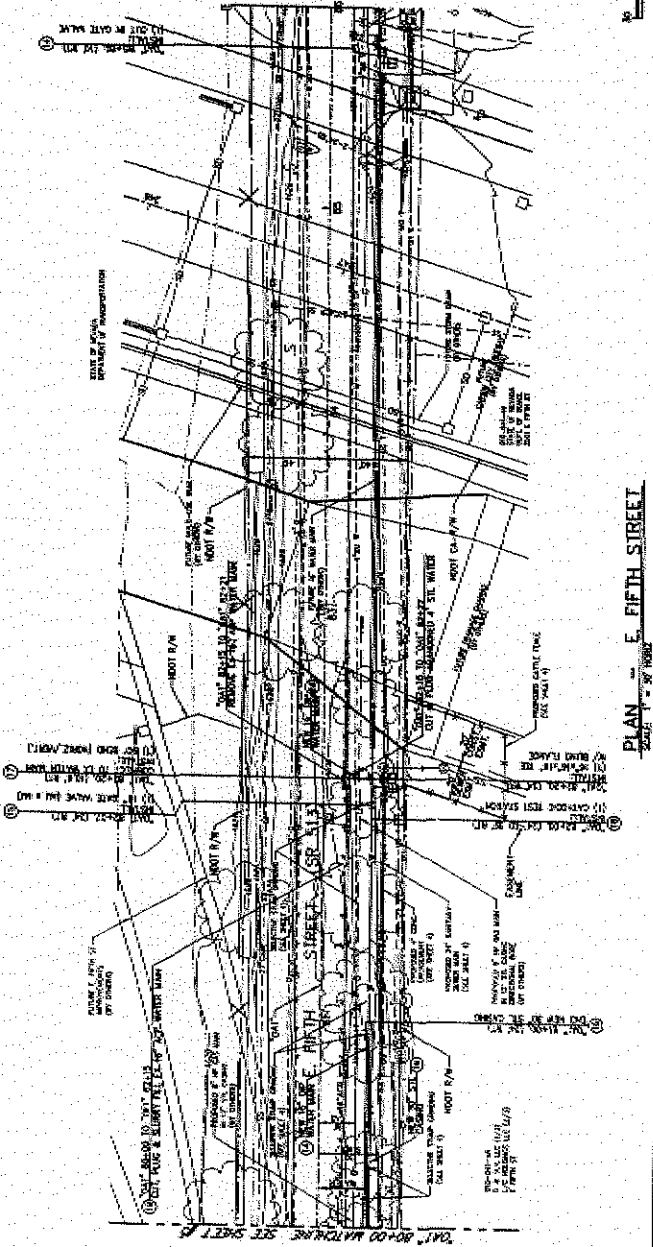


**REFERENCE: 16" WATER MAIN**  
 PROJECT No. 09-50-010  
 L. FLEMING ST. WEST OF HENRY ST.  
 16" WATER MAIN  
 '06/21 2:50 P.M. '06/21 2:50 P.M.

BY	DATE	DESCRIPTION

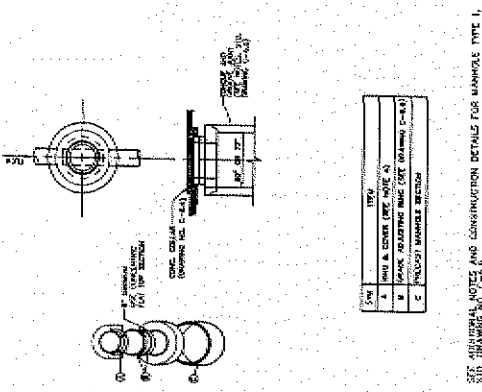
- CONSTRUCTION NOTES**
- INSTALL 16" DIAM. WATER MAIN PER DETAIL SHEET C-101.
  - INSTALL 16" DIAM. WATER MAIN PER DETAIL SHEET C-102.
  - INSTALL 16" DIAM. WATER MAIN PER DETAIL SHEET C-103.
  - INSTALL 16" DIAM. WATER MAIN PER DETAIL SHEET C-104.
  - INSTALL 16" DIAM. WATER MAIN PER DETAIL SHEET C-105.
  - INSTALL 16" DIAM. WATER MAIN PER DETAIL SHEET C-106.
  - INSTALL 16" DIAM. WATER MAIN PER DETAIL SHEET C-107.
  - INSTALL 16" DIAM. WATER MAIN PER DETAIL SHEET C-108.
  - INSTALL 16" DIAM. WATER MAIN PER DETAIL SHEET C-109.
  - INSTALL 16" DIAM. WATER MAIN PER DETAIL SHEET C-110.
  - INSTALL 16" DIAM. WATER MAIN PER DETAIL SHEET C-111.
  - INSTALL 16" DIAM. WATER MAIN PER DETAIL SHEET C-112.
  - INSTALL 16" DIAM. WATER MAIN PER DETAIL SHEET C-113.
  - INSTALL 16" DIAM. WATER MAIN PER DETAIL SHEET C-114.
  - INSTALL 16" DIAM. WATER MAIN PER DETAIL SHEET C-115.
  - INSTALL 16" DIAM. WATER MAIN PER DETAIL SHEET C-116.
  - INSTALL 16" DIAM. WATER MAIN PER DETAIL SHEET C-117.
  - INSTALL 16" DIAM. WATER MAIN PER DETAIL SHEET C-118.
  - INSTALL 16" DIAM. WATER MAIN PER DETAIL SHEET C-119.
  - INSTALL 16" DIAM. WATER MAIN PER DETAIL SHEET C-120.

**NDOT/CARSON CITY**  
**AGREEMENT PLANS**  
**FOR INFORMATION ONLY**  
**NOT FOR CONSTRUCTION**

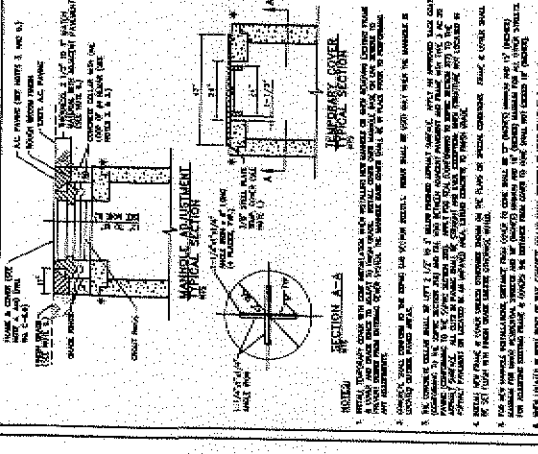


1. ALL STEEL WORK AND LATEXES IN THE MOUTH OF MANHOLE/TANK SHALL BE PVC GRADE UNLESS OTHERWISE NOTED.
2. MANHOLE OPENING SHALL BE PROTECTED WITH CONSUMER APPROVED BY CARSON CITY PUBLIC WORKS. NO FIELD NOTIFICATIONS TO PRECED WORKS SHALL BE ALLOWED.
3. NON-FLEXIBLE TRANSDUCERS ARE REQUIRED WHEN COMPLETING SINK UNITS TO EXISTING LINES AND/OR FITTINGS.
4. THE CONTRACTOR SHALL INSTALL A FLAG AT THE POINT OF EXISTENCE OF A SINK UNITS PRIOR TO THE START OF CONSTRUCTION. THE FLAG SHALL BE RED AND 1/2" DIA. AND SHALL BE PLACED IN THE CENTER OF THE SINK UNITS PRIOR TO APPROVAL. IS A VIOLATION OF THE CARSON CITY MUNICIPAL CODE AND MAY RESULT IN FINES UP TO \$1000 A DAY.
5. SINK UNITS SHALL BE TESTED PER SECTION 15B-03.07 OF THE SPEC. 15B-03.03.02.3 AND A SECTION SHALL BE TESTED PER SECTION 15B-03.03.02.3 OF THE SPEC. ALL SINK UNITS SHALL BE APPROVED BY CARSON CITY PUBLIC WORKS PRIOR TO COMMENCEMENT OF ANY WORK.
6. MANHOLE TOPS SHALL BE INSTALLED 17" ABOVE ALL SINK UNITS AND 30" (3') FOR ALL OTHER MANHOLES. MANHOLE TOPS SHALL BE 3/4" THICKNESS UNLESS OTHERWISE NOTED. MANHOLE TOPS SHALL BE CONCRETE OR CAST IN PLACE CONCRETE UNLESS OTHERWISE NOTED. MANHOLE TOPS SHALL BE 100% COMPACTED UNLESS OTHERWISE NOTED.
7. SINK UNITS MANHOLE TOPS SHALL BE INSTALLED WITH SINK UNITS. MANHOLE TOPS SHALL BE CONCRETE OR CAST IN PLACE CONCRETE UNLESS OTHERWISE NOTED. MANHOLE TOPS SHALL BE 100% COMPACTED UNLESS OTHERWISE NOTED.
8. SINK UNITS MANHOLE TOPS SHALL BE INSTALLED WITH SINK UNITS. MANHOLE TOPS SHALL BE CONCRETE OR CAST IN PLACE CONCRETE UNLESS OTHERWISE NOTED. MANHOLE TOPS SHALL BE 100% COMPACTED UNLESS OTHERWISE NOTED.

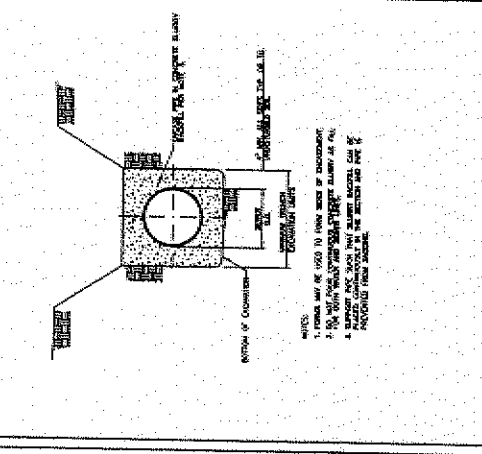
DATE: 08/20/06  
 PROJECT NO: 2004-10-0288 - (S) (P)  
 SHEET NO: 7W  
 SECTION: UTILITY RELOCATIONS  
 PROJECT: L. FIRM ST. WEST OF FREEMAN  
 PROJECT NO: 2004-10-0288 - (S) (P)  
 SHEET NO: 7W  
 SECTION: UTILITY RELOCATIONS  
 PROJECT: L. FIRM ST. WEST OF FREEMAN



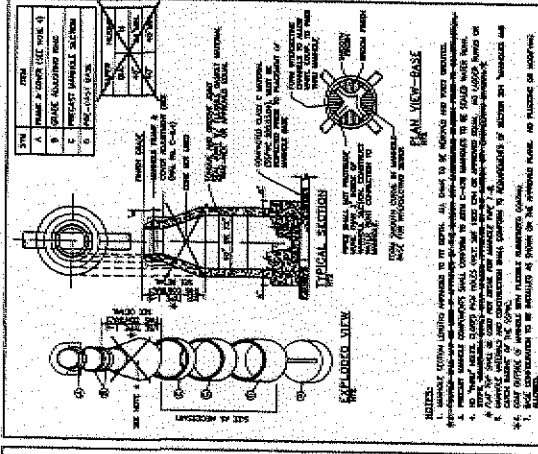
MANHOLE  
TYPE 1-B TOP



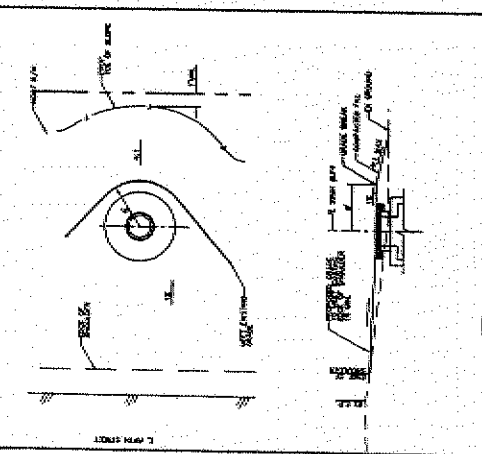
MANHOLE FRAME & COVER  
ADJUSTMENT



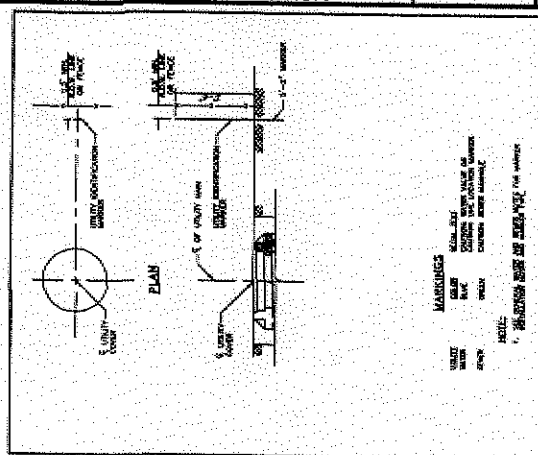
4" CONCRETE ENCASEMENT  
OF SANITARY SEWER



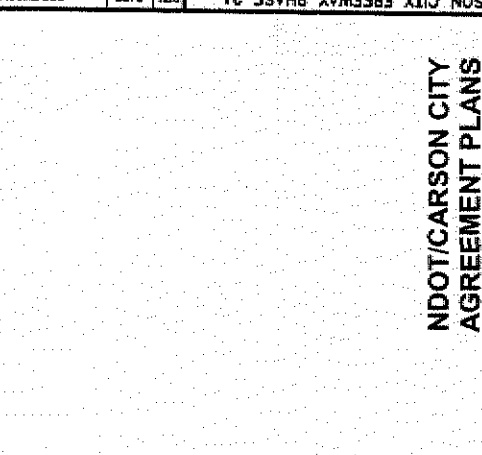
MANHOLE TYPE 1 (MODIFIED)  
PLAN VIEW-BASE



PROPOSED GRADING  
AT SSMH #LF4



UTILITY IDENTIFICATION  
MARKER AND PLACEMENT



NDOT/CARSON CITY  
AGREEMENT PLANS

FOR INFORMATION ONLY  
NOT FOR CONSTRUCTION

CARSON CITY  
PUBLIC WORKS DEPARTMENT  
THE COWS BERGER  
GROUP INC.

PRELIMINARY  
08/20/06  
APP'D: [Signature]  
DATE: [Blank]  
BY: [Blank]  
DESCRIPTION: [Blank]

CARSON CITY FREEWAY PHASE 2A  
UTILITY RELOCATIONS  
PROJECT NO. 2004-10-0288  
TYPICAL CONSTRUCTION DETAILS

7W  
11



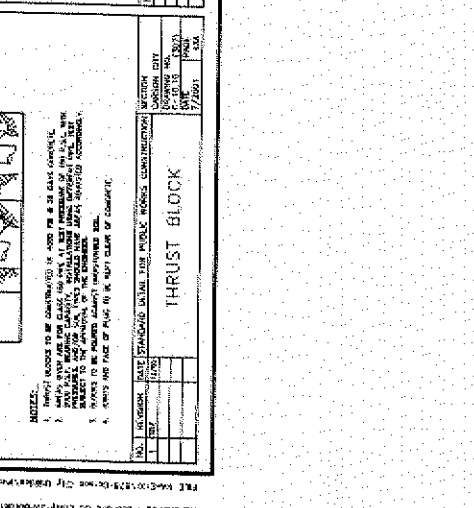
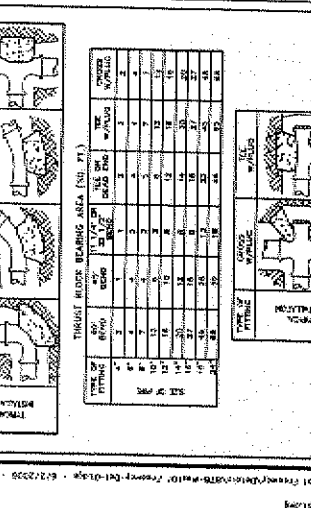
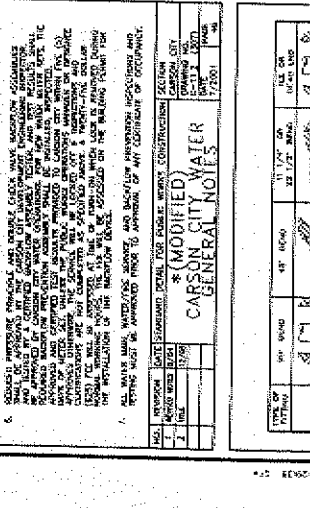
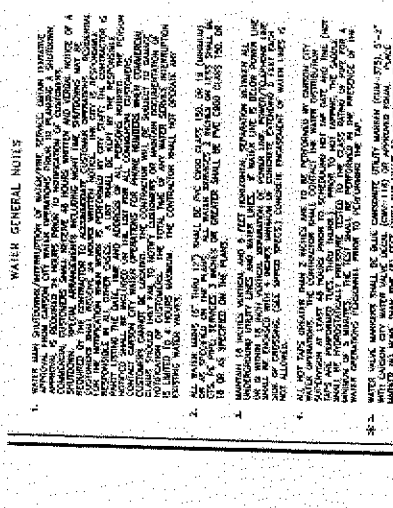
CARSON CITY FREEWAY PHASE 2A  
UTILITY RELOCATIONS  
PROJECT No. 90-8010  
TYPICAL CONSTRUCTION DETAILS

REVISIONS  
NO. DATE DESCRIPTION  
1 7/20/01  
2 7/20/01

CARSON CITY  
PUBLIC WORKS DEPARTMENT  
3000 NORTH OGDEN CITY, NEVADA 89801  
PH: 702-735-1234  
FAX: 702-735-1234

THE LOUIS BERGER GROUP, INC.  
100 N. 3rd Street, Suite 200  
Las Vegas, NV 89101  
PH: 702-735-1234  
FAX: 702-735-1234

PRELIMINARY  
08/20/06



WATER GENERAL NOTES

CARSON CITY WATER GENERAL NOTES

THRUST ROD BEARING AREA (SEE DET. 1)

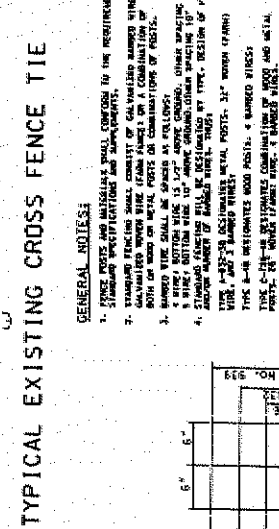
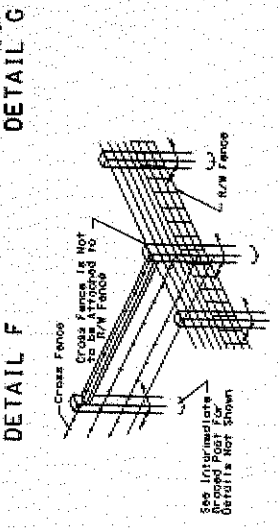
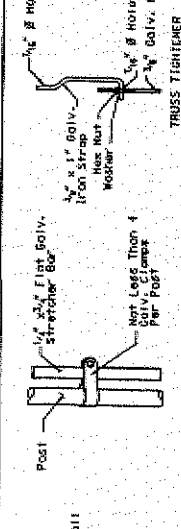
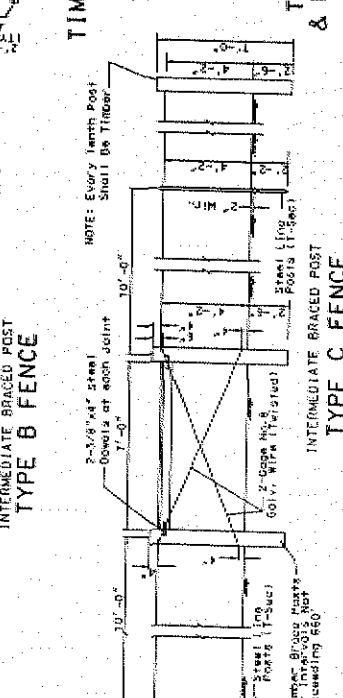
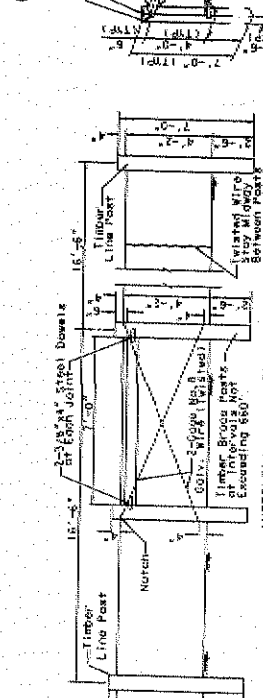
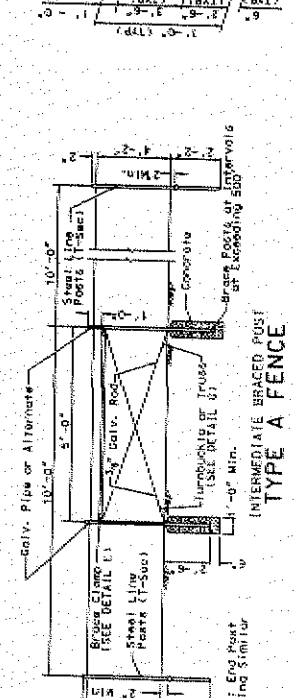
WATER GENERAL NOTES



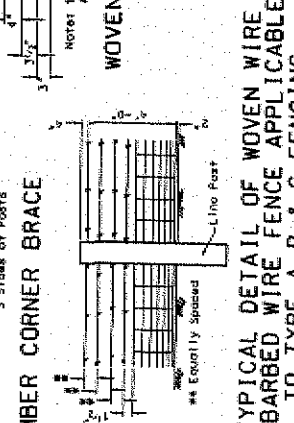
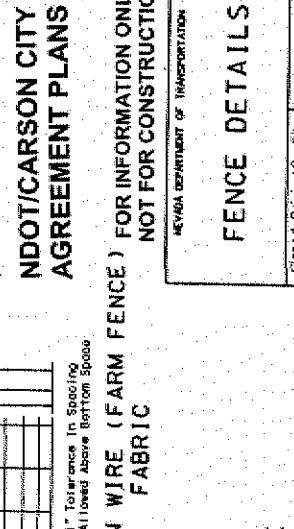


### SIZE OF POSTS-STANDARD FENCING

FENCE HEIGHT	CORNER, END & PULL		LINE		BRACES	
	ROUND PIPE O.D. CLASS 1	MIN. WT. (LBS./L.F.) CLASS 2	MIN. WT. (LBS./L.F.) T-SECTION PIPE O.D. CLASS 1	MIN. WT. (LBS./L.F.) T-SECTION PIPE O.D. CLASS 2	MIN. WT. (LBS./L.F.) CLASS 1	MIN. WT. (LBS./L.F.) CLASS 2
3' to 6'	2.375"	3.65	2.64	1.30	1.660"	2.27
						1.45



**TYPICAL EXISTING CROSS FENCE TIE**  
 GENERAL NOTES:  
 1. ALL NOTES AND SPECIFICATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS.  
 2. STANDARD SPECIFICATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS.  
 3. GALVANIZED STEEL SHALL BE TYPE 30 OR 33 GALVANIZED STEEL.  
 4. GALVANIZED STEEL SHALL BE TYPE 30 OR 33 GALVANIZED STEEL.  
 5. GALVANIZED STEEL SHALL BE TYPE 30 OR 33 GALVANIZED STEEL.  
 6. GALVANIZED STEEL SHALL BE TYPE 30 OR 33 GALVANIZED STEEL.  
 7. GALVANIZED STEEL SHALL BE TYPE 30 OR 33 GALVANIZED STEEL.



**NDOT/CARSON CITY AGREEMENT PLANS**  
**WOVEN WIRE (FARM FENCE) FOR INFORMATION ONLY NOT FOR CONSTRUCTION**  
 NEVADA DEPARTMENT OF TRANSPORTATION  
**FENCE DETAILS**  
 Signed Original On File IR-6.11 (638.724)  
 CHECK ROAD DESIGN ENGINEER: 9/20/05

**TYPICAL DETAIL OF WOVEN WIRE & BARBED WIRE FENCE APPLICABLE TO TYPE A, B & C FENCING**  
 NOTES:  
 1. CONTRACT USE ONLY TYPE 4-B FENCING.  
 2. ALL MATERIALS SHALL BE GALVANIZED STEEL.  
 3. GALVANIZED STEEL SHALL BE TYPE 30 OR 33 GALVANIZED STEEL.  
 4. GALVANIZED STEEL SHALL BE TYPE 30 OR 33 GALVANIZED STEEL.  
 5. GALVANIZED STEEL SHALL BE TYPE 30 OR 33 GALVANIZED STEEL.

# EXHIBIT "C"

## CARSON CITY FREEWAY PHASE 2A UTILITY RELOCATION E. FIFTH STREET WATER, SEWER AND RECLAIMED WATER RELOCATIONS SUMMARY OF REIMBURSEMENTS BY SCHEDULE

SCHEDULE				COST RESPONSIBILITY			
ID	NAME	PLAN SHEET NO.	DESCRIPTION OF LIMITS	NOTES	CITY UTILITY	ENTITY	LOGIC
A . 1	LINEAR DITCH TO WASTE WATER TREATMENT PLANT SANITARY SEWER	7E-14E AND 23E-25E	SANITARY SEWER CONSTRUCTION BETWEEN "FS2" 26+73 TO "FS2" 48+81.03 EXCEPT SANITARY SERVICE TO 2601 E. FIFTH ST. AND "FS1" 47+33.79 TO "FS1" 53+10. SANITARY SEWER ABANDONMENT FROM "O2" 237+12 TO "O2" 247+26 (27 INCH), "O2" 231+35 TO "O2" 237+12 (27 INCH), "O2" 237+12 TO "O2" 237+08 (10 INCH), AND "FS1" 47+88 TO "FS1" 61+69.	NDOT RESPONSIBLE FOR RELOCATION DUE TO CHANNEL CONSTRUCTION CONFLICTING WITH EXISTING SEWER ON FORMER CITY PROPERTY. * CITY RESPONSIBLE FOR OVERSIZE TO ACCOMMODATE PROPOSED FUTURE FLOWS. PERCENT PARTICIPATION	SEWER	NDOT/ CITY	CITY'S PRIOR RIGHTS*
A . 2	LINEAR DITCH RECLAIMED WATER MAIN	15E-16E AND 25E	RECLAIMED WATER MAIN RELOCATION BETWEEN INCLUDING ABANDONMENT "FS2" 27+20 TO "FS2" 33+68	NDOT RESPONSIBLE FOR RELOCATION DUE TO CHANNEL CONSTRUCTION CONFLICTING WITH EXISTING ROW ON FORMER CITY PROPERTY.	SEWER	NDOT	CITY'S PRIOR RIGHTS
B . 1	E FIFTH STREET WEST OF FREEWAY AND E. FIFTH STREET TO LINEAR DITCH SANITARY SEWER	3W-4W, 3E-6E AND 22E-23E	ALL SANITARY SEWER CONSTRUCTION FROM "OAI" 73+71 TO "OAI" 82+26 AND "FS1" 984.4 TO "FS2" 24+80. AND SEWER ABANDONMENT IN E. FIFTH STREET RIGHT OF WAY FROM "OAI" 73+71 TO "OAI" 60+03	EXISTING PERMITTED FACILITY.	SEWER	CITY	FORMER PERMIT
B . 2	SANITARY SERVICE TO 2601 E FIFTH STREET	3E	ALL WORK ASSOCIATED WITH THE 8" SANITARY SEWER CONSTRUCTION BETWEEN "FS1" 44+41 AND "FS1" 48+63	SEWER REQUIRED TO SERVE EXISTING PARCEL PREVIOUSLY SERVED BY LARGE DIAMETER SEWER TO BE ABANDONED.	SEWER	CITY	PERMIT
C	FREEWAY IRRIGATION SERVICE STUBS	1/E	ALL WORK ASSOCIATED WITH THE IRRIGATION SERVICES AT "OAI" 82+16 AND "OAI" 85+00	FREEWAY FACILITY		NDOT	FREEWAY PROJECT
D	E. FIFTH STREET WATER MAIN	5W-6W, 17E-21E AND 22E-25E	ALL WATER MAIN CONSTRUCTION FROM "OAI" 74+09 TO "OAI" 82+25 AND "OAI" 82+12 TO "FS1" 62+22.8. EXCEPT FREEWAY IRRIGATION SERVICE AT "OAI" 85+00, AND WATER MAIN ABANDONMENT FROM "OAI" 74+09 TO "OAI" 106+73.	PERMITTED FACILITIES.	WATER	CITY	PERMIT



STATE OF NEVADA  
DEPARTMENT OF TRANSPORTATION  
1263 S. Stewart Street  
Carson City, Nevada 89712

EXHIBIT "D"

BOB MILLER, Governor

October 30, 1996

TOM STEPHENS, PE., Director

In Reply Refer to:

MR JAY AHRENS  
CARSON CITY UTILITIES DEPARTMENT  
3505 BUTTI WAY  
CARSON CITY NV 89701

Project No. QF-395-1(6)  
E.A. No. 71366

Dear Mr. Ahrens:

The Nevada Department of Transportation has scheduled Project No. QF-395-(6), E. A. No. 71366, for construction of US 395, from Tahoe Junction to one mile north of Arrowhead Drive, which may require adjustment or relocation of facilities of your company.

Enclosed is a set of preliminary roadway design plans for the project. Should you require specific cross-sections for any location, or any other design information, we will furnish them to you upon request or as the information becomes available.

Your company is hereby authorized and requested to incur preliminary engineering costs for the purpose of conducting field studies, investigating methods of plant adjustment, developing and submitting itemized cost estimates and detailed plans and other associated work, including research of evidence of compensable interests, preparatory to entering into a formal agreement for the relocation and/or adjustment of any of its existing facilities affected by the above project.

The project advertising date is December, 1998. It is our desire to have all possible utility adjustments completed at that time. As soon as we receive your plans and estimates as well as your documentation of prior compensable interests package, we will prepare the necessary formal agreement and related documents for the relocation and/or adjustment of your affected existing utility facilities.

Please be advised that the costs of relocation for any conflicting facilities which are in place within the highway right-of-way pursuant to NRS 408.423 (Right-of-Way Occupancy Permit) are precluded by NRS 408.407 from reimbursement by the State.

Should you have any questions or require further information, please contact Evelyn Mattheus of this office at (702) 888-7392.

Sincerely,

*Mary W. Luster*  
Mary W. Luster  
Right-of-Way Agent

MWL/lb

Enclosure

c: Gale Taylor, Inspector  
Glenn Petrenko, Designer

NOV 04 1996