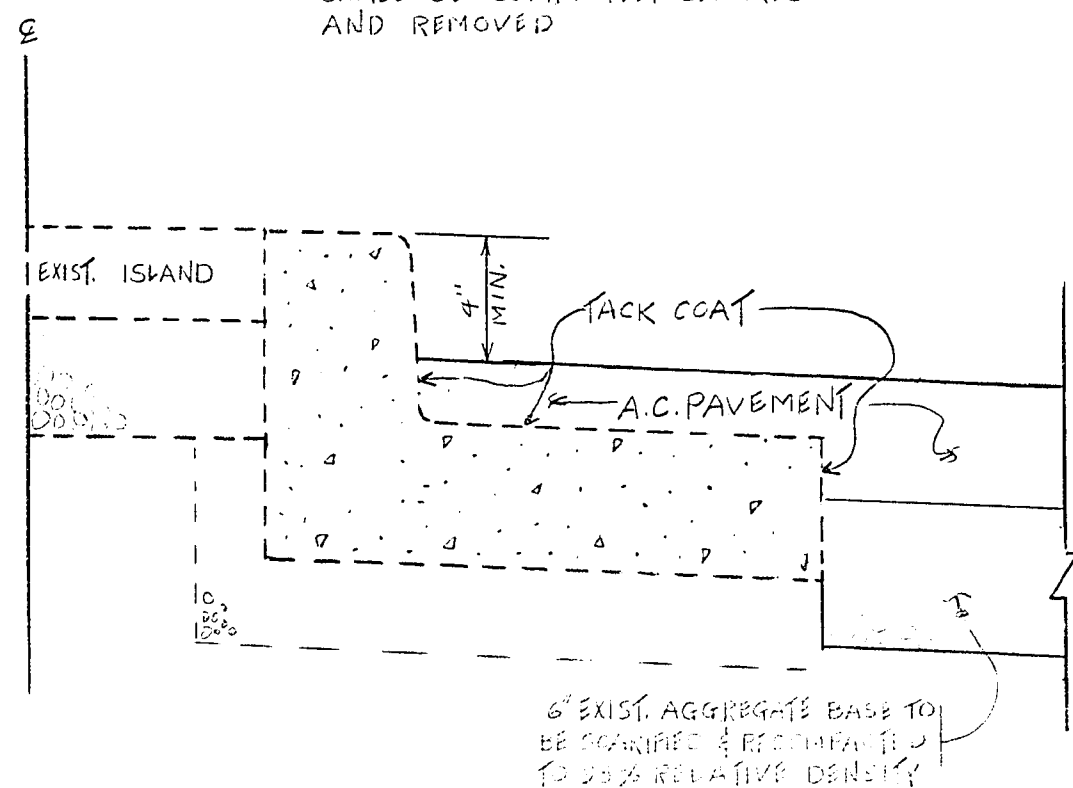


GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD DRAWINGS AND "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION", 1978, OF THE CITY OF LAS VEGAS, NEVADA, UNLESS OTHERWISE SPECIFIED BY NOTE ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
2. ALL UTILITY COMPANIES SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
3. THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON PLANS FOR CONTRACTORS' CONVENIENCE WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THE CITY OF LAS VEGAS ASSUMES NO RESPONSIBILITY FOR UTILITIES OR STRUCTURES NOT OF RECORD, OR NOT IN THE LOCATION OF RECORD. THE CONTRACTOR'S LIABILITY REGARDING ANY DAMAGED UTILITY IS SET FORTH IN SECTION 105 OF THE STANDARD SPECIFICATIONS.
4. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT ALL EXISTING STREET IMPROVEMENTS REMAINING IN PLACE, AND ANY STREET IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED OR RECONSTRUCTED AT THE EXPENSE OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL NOT REMOVE ANY EXISTING IMPROVEMENTS, TREES, SHRUBS, WALLS, FENCES, SIGNS, STRUCTURES, PRIVATE LIGHT POLES, ETC., UNLESS DIRECTED TO DO SO BY NOTE ON THE PLANS OR BY THE ENGINEER.
6. EXISTING IMPROVEMENTS, TREES, SHRUBS, WALKS, FENCES, SIGNS, STRUCTURES, ETC. WITHIN THE STREET RIGHT-OF-WAY THAT WILL INTERFERE WITH CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER.
7. ALL REPLACEMENT, RELOCATION OR RECONSTRUCTION OF EXISTING IMPROVEMENTS, FENCES, SPRINKLER SYSTEMS, SHRUBS, WALLS, SIGNS, STEPS, SIDEWALKS, DRIVEWAYS, PRIVATE LIGHT POLES AND ALL OTHER OBJECTS PERTINENT TO THIS CONTRACT SHALL BE DONE AS DIRECTED BY THE ENGINEER.
8. THE CONTRACTOR SHALL BACKFILL, GRADE AND CLEAN-UP ALL CUT OR FILL SLOPES TO MEET EXISTING CONDITIONS. WHERE LAWNS ARE EXISTING THE CONTRACTOR SHALL RESEED AND/OR SOD THE AFFECTED AREA TO ACHIEVE A CONDITION EQUAL TO, OR BETTER THAN BEFORE. MAXIMUM SLOPE 4 TO 1. COST TO BE INCLUDED IN PRICE BID ON OTHER ITEMS.
9. ALL BARRICADING AND TEMPORARY TRAFFIC CONTROL DEVICES OR METHODS TO BE USED DURING CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF NEVADA "TRAFFIC CONTROL MANUAL" ISSUE OF JUNE, 1980, AND WITH THE U.S. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AVAILABLE FROM THE DIVISION OF TRAFFIC ENGINEERING, 400 E. STEWART AVENUE.
10. THE OWNING UTILITY COMPANY SHALL BE RESPONSIBLE FOR REMOVAL OR RELOCATION OF ALL POWER POLES, TELEPHONE POLES, JOINTLY-OWNED POLES AND RELATED APPURTENANCES THAT INTERFERE WITH REQUIRED IMPROVEMENTS AS SHOWN ON THE PLANS, AND IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS".
11. N/A
12. N/A
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERTICAL ADJUSTMENT OF SANITARY SEWER MANHOLES TO THE REQUIRED GRADE AS SHOWN ON THE PLANS, AND IN ACCORDANCE WITH SECTION 609.03.02 AND APPLICABLE PORTIONS OF SECTION 609 OF THE "STANDARD SPECIFICATIONS".
14. THE SOUTHWEST GAS COMPANY SHALL BE RESPONSIBLE FOR THE REMOVAL OR RELOCATION OF ALL GAS LINES AND RELATED APPURTENANCES THAT INTERFERE WITH REQUIRED IMPROVEMENTS AS SHOWN ON THE PLANS.
15. N/A
16. PRIOR TO ANY TYPE OF CONSTRUCTION IN THE AREA OF AN EXISTING SEWER, THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION TO THE MAIN IN THE FORM OF A SPLIT CIRCLE OF MINIMUM 3/4" PLYWOOD HAVING A DIAMETER NOT MORE THAN 4" SMALLER THAN THE INSIDE DIAMETER AT THE BOTTOM OF THE MANHOLE. THE SECTIONS OF THE CIRCLE SHALL BE HELD IN PLACE BY A MINIMUM OF TWO SCABS NAILED SECURELY ACROSS THE JOINT. THE JOINT SHALL BE PLACED TRANSVERSELY TO THE FLOW LINE OF THE MAIN. ANY SUBSTITUTE METHOD OF PROTECTION MAY BE USED PROVIDED IT IS APPROVED BY THE ENGINEER. THE CITY SHALL ROD THE SEWER LINE PRIOR TO CONSTRUCTION AND THE CONTRACTOR SHALL BALL AND CLEAN THE SEWER LINE PRIOR TO FINAL ACCEPTANCE OF THE PROJECT BY THE CITY.
17. CLASS B CONCRETE SHALL BE USED ON THIS PROJECT, UNLESS OTHERWISE SPECIFIED.
18. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT THE CITY OF LAS VEGAS TRAFFIC ENGINEERING DIVISION FOR THE LOCATION OF ALL TRAFFIC CONDUIT AND RELATED APPURTENANCES THAT MAY INTERFERE WITH REQUIRED IMPROVEMENTS PRIOR TO CONSTRUCTION.
19. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT THE CITY OF LAS VEGAS FIRE DEPARTMENT FOR THE LOCATION OF ALL FIRE ALARM CONDUIT AND RELATED APPURTENANCES THAT MAY INTERFERE WITH REQUIRED IMPROVEMENTS PRIOR TO CONSTRUCTION.
20. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT THE CITY OF LAS VEGAS ELECTRICAL DIVISION FOR THE LOCATION OF ALL ELECTRICAL CONDUIT AND RELATED APPURTENANCES THAT MAY INTERFERE WITH REQUIRED IMPROVEMENTS PRIOR TO CONSTRUCTION.
21. ALL MANHOLES ARE TO BE CONSTRUCTED ACCORDING TO THE CITY OF LAS VEGAS STANDARD DRAWING 512-2 OR AS DESIGNATED ON THE CONTRACT DRAWINGS.
22. THE SOUTHWEST GAS COMPANY SHALL BE REQUIRED TO LOWER ALL GAS VALVES TO THE SUBGRADE ELEVATION. THE VALVES SHALL BE RAISED TO FINISH GRADE AFTER THE ASPHALT PAVEMENT HAS BEEN PLACED.
23. THE CENTRAL TELEPHONE COMPANY SHALL BE REQUIRED TO LOWER ALL MANHOLES TO SUBGRADE ELEVATION OR TO THE TOP OF EXISTING CONE, WHICHEVER IS HIGHER. THE MANHOLES SHALL BE PLACED, AND RAISED TO FINISH GRADE AFTER THE ASPHALT PAVEMENT HAS BEEN PLACED.

NOTE:

EXIST. AC ON ALL CURB & GUTTERS SHALL BE COMPLETELY CLEARED AND REMOVED.

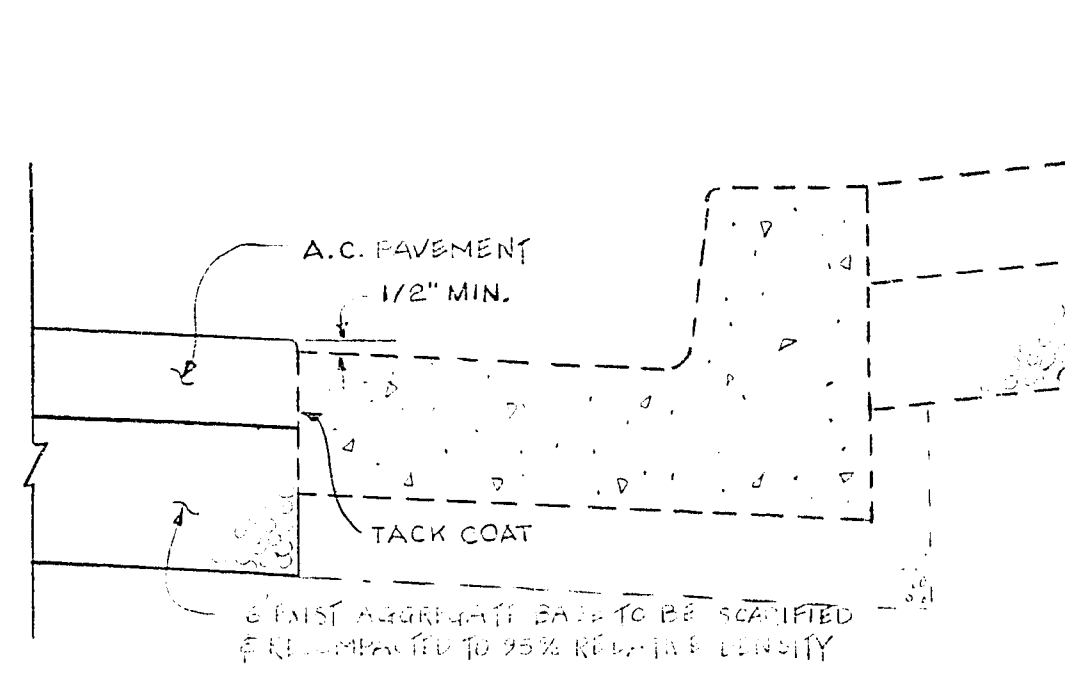


TYPICAL ISLAND DETAIL

NO SCALE

NOTE:

1. ALL A.C. SHALL BE 1/2" MIN. ABOVE LIP OF EXIST. 24" L TYPE C & G.
2. EXIST. A.C. ON ALL CURB & GUTTERS SHALL BE COMPLETELY CLEARED AND REMOVED.

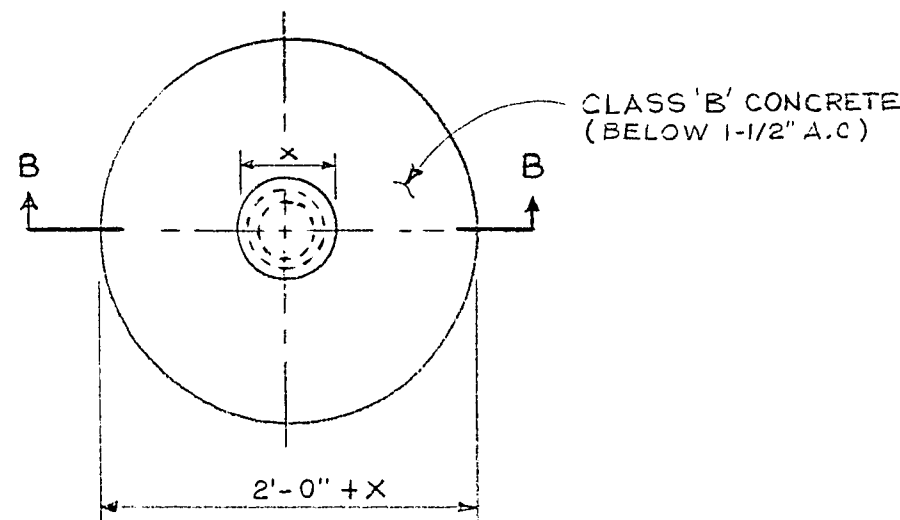


24" L TYPE C & G

NO SCALE

NOTE: VALVE BOX ADJUSTMENT

EXIST. VALVE BOX SHALL BE LOWERED TO SUBGRADE ELEV. VALVE BOX SHALL BE PLACED & RAISED TO 1/2" BELOW FINISH GRADE AFTER THE ASPHALTIC PAVEMENT HAS BEEN PLACED.



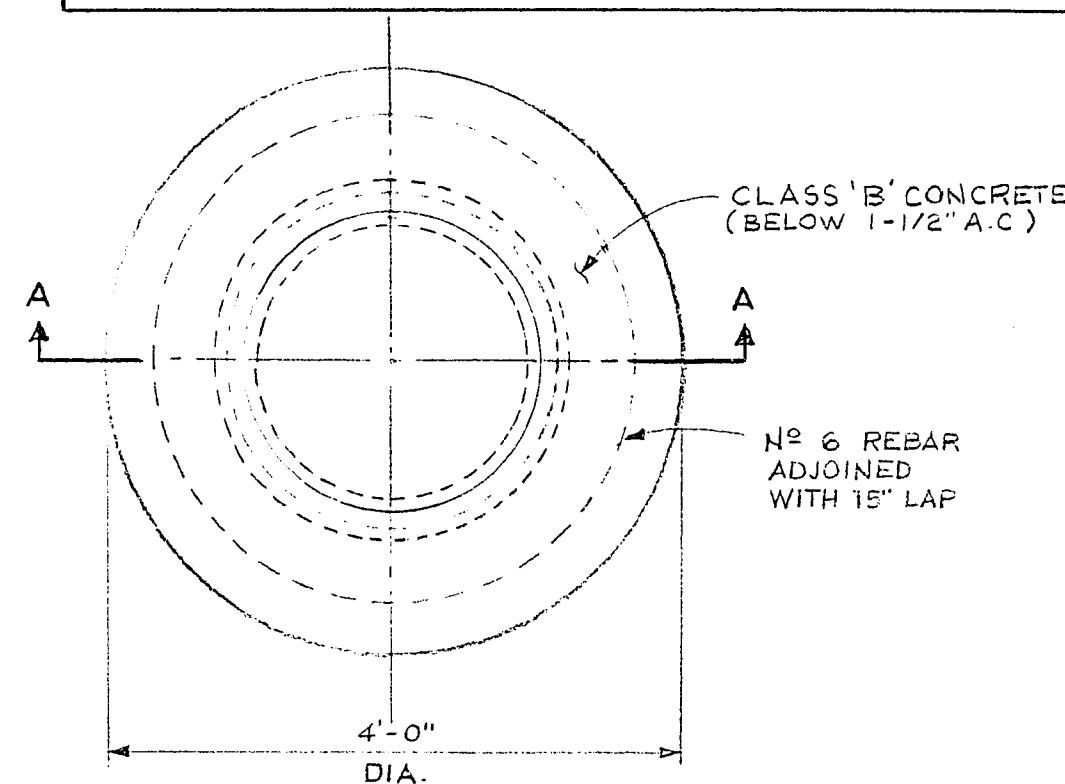
SECTION B-B

CONCRETE VALVE COLLAR

NO SCALE

NOTE: MANHOLE ADJUSTMENT

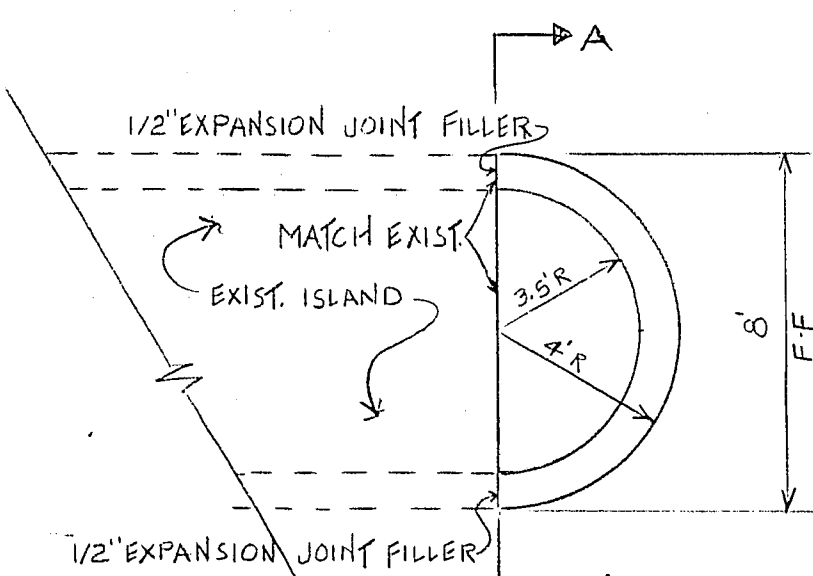
THE CONTRACTOR SHALL BE REQUIRED TO LOWER MANHOLE TO SUBGRADE ELEV. OR TO TOP OF EXIST. CONE, WHICHEVER IS HIGHER. MANHOLE SHALL BE PLACED & RAISED TO 1/2" BELOW FINISH GRADE AFTER THE ASPHALTIC PAVEMENT HAS BEEN PLACED.



SECTION A-A

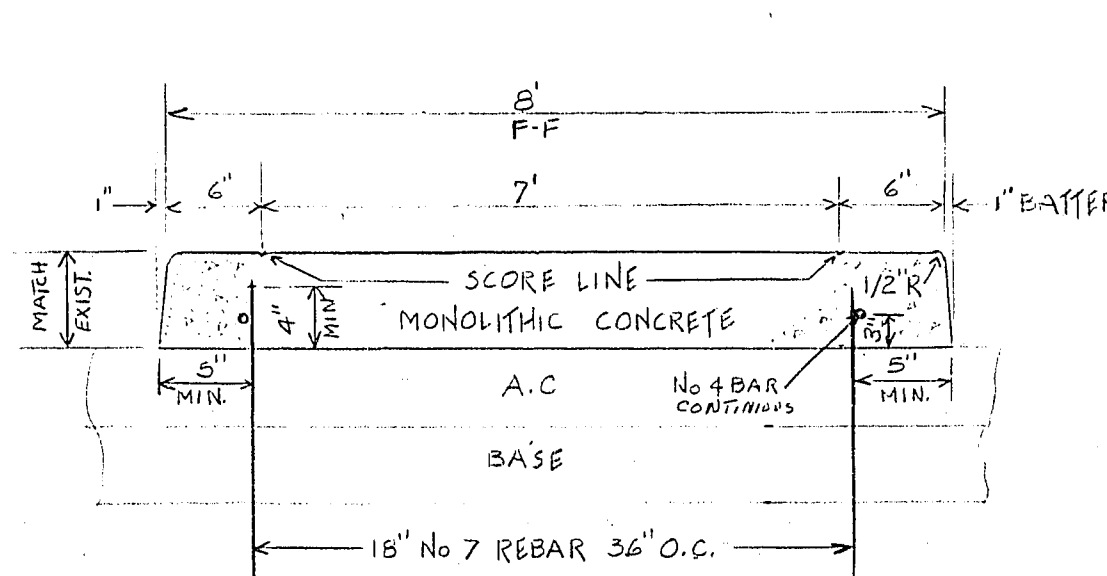
CONCRETE MANHOLE COLLAR

NO SCALE



(FOR LOCATION SEE SHEET NO. 9) CONCRETE ISLAND NOSE DETAIL

NO SCALE



SECTION A-A

NO SCALE

BID GROUP 1 TOTAL APPROXIMATE QUANTITIES

ITEM NO.	DESCRIPTION	C.L.V.	R.T.C.	UNIT	TOTAL
203.00.02	OVER EXCAVATION		800	C.Y.	800
302.00.00	SCARIFY & RECOMPACT EXIST. GRAVEL BASE		48,150	S.Y.	48,150
302.00.02	TYPE 2 AGGREGATE BASE		3,150	C.Y.	3,150
401.00.10	ASPHALTIC CONCRETE PAVEMENT		11,270	TON	11,270
609.03.02	ADJUST MANHOLE	28	N/A	EA.	28
609.03.06	ADJUST WATER VALVE		22	EA.	22
613.00.11	ISLAND CONCRETE		25	S.F.	25
625.00.00	CONSTRUCTION SIGN		2	EA.	2
626.00.01	FINAL CLEAN-UP	L.S.	L.S.	L.S.	L.S.
202.00.01	A.C. REMOVAL		48,300	S.Y.	48,300
609.03.09	ADJUST WATER VAULT STRUCTURE		1	EA.	1

ALTERNATE BID GROUP 1A TOTAL APPROXIMATE QUANTITIES

ITEM NO.	DESCRIPTION	C.L.V.	R.T.C.	UNIT	TOTAL
203.00.02	OVER EXCAVATION		800	C.Y.	800
302.00.00	SCARIFY & RECOMPACT EXIST. GRAVEL BASE		48,150	S.Y.	48,150
302.00.02	TYPE 2 AGGREGATE BASE		1,100	C.Y.	1,100
401.00.10	ASPHALTIC CONCRETE PAVEMENT		14,125	TON	14,125
609.03.02	ADJUST MANHOLE	28	N/A	EA.	28
609.03.06	ADJUST WATER VALVE		22	EA.	22
613.00.11	ISLAND CONCRETE		25	S.F.	25
625.00.00	CONSTRUCTION SIGN		2	EA.	2
626.00.01	FINAL CLEAN-UP	L.S.	L.S.	L.S.	L.S.
202.00.01	A.C. REMOVAL		48,300	S.Y.	48,300
609.03.09	ADJUST WATER VAULT STRUCTURE		1	EA.	1

ADDITIVE ITEM

406.00.01	BITUMINOUS PRIME COAT		14,600	GAL.	14,600
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CONTRACT
DRAWING

SPS 2-1-10

CONTRACT
DRAWING

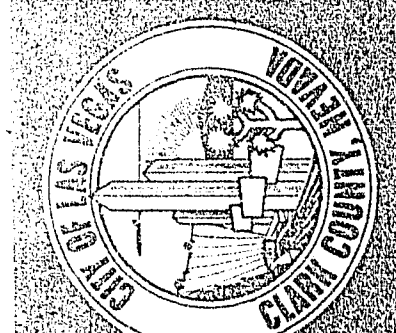
SPS 2-1-10

SEALING REQUIREMENTS: ALL CONTRACTS FOR THE CITY OF LAS VEGAS SHALL BE SEALED BY THE CITY ENGINEER. THE SEALING SHALL BE DONE IN THE PRESENCE OF THE CITY ENGINEER OR HIS REPRESENTATIVE. THE SEALING SHALL BE DONE IN THE PRESENCE OF THE CITY ENGINEER OR HIS REPRESENTATIVE. THE SEALING SHALL BE DONE IN THE PRESENCE OF THE CITY ENGINEER OR HIS REPRESENTATIVE.

Department of Public Services Engineering Design Division

GENERAL NOTES - APPROX. TOTAL QUANTITIES
CURB & GUTTER - CONCRETE COLLAR
CONCRETE ISLAND NOSE - DETAILS

EASTERN AVE
BONANZA ROAD TO OWEN'S AVE.



Drawing no.
107-VI211

29-4-104