EXHIBIT A

IMPROVEMENT PLANS
FOR
FLOYD LAMB STATE PARK SEWER SYSTEM

CITY OF LAS VEGAS
STATE OF NEVADA

APN # 125-04-301-002, 125-04-701-001, 125-09-101-004
125-09-101-002, 125-09-101-003, 125-09-501-001

D.R. HORTON, INC.

6845 ESCONDIDO STREET
LAS VEGAS, NV. 89119
PH: (702) 435-4888
FAX: (702) 435-4950

BENCHMARK
CITY OF LAS VEGAS VERTICAL CONTROL
CITY OF LAS VEGAS BM JELVIGHAN 1/4 CORNER, BLM 1990 S MCCAIN AND CHARRO
ELEVATION: 738.8207 METERS (NAVD88)
2423.01 FEET

BASIS OF BEARINGS
NORTH 00°28'28" WEST BEING THE BEARING OF THE WEST LINE OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 4, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M. CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN ON MAP THEREOF ON FILE IN FILE 109, PAGE 99 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

116862
917391

G.C. WALLACE, INC.
Engineers/Planners/Surveyors
1555 SOUTH RAINBOW BLVD. LAS VEGAS, NEVADA 89146

Avoid cutting underground utility lines. It's costly. Call before you Dig. 1-800-227-2600 UNDERGROUND SERVICE (USA)

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD. 1-702-227-2929

AVOID HITTING UNDERGROUND TRAFFIC SIGNAL SYSTEMS AND STREET LIGHT SYSTEM CONDUITS. IT'S COSTLY. CALL BEFORE YOU DO UNDERGROUND. Call before you UnderGround 1-702-455-7511 CLARK COUNTY TRAFFIC OPERATIONS OR 1-702-229-6611 LAS VEGAS AREA COORDINATED TRAFFIC SYSTEM

4/22/09
FOR REV 1 ONLY

APPROVALS
CITY OF LAS VEGAS

"APPROVAL OF THESE PLANS BY THE CITY ENGINEER IS LIMITED TO THOSE IMPROVEMENTS CONSTRUCTED IN THE DEDICATED RIGHTS-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 "DEVIATIONS FROM STANDARDS" THE ENGINEER SHALL RESOLVE ANY DEVIATION OTHER THAN THOSE LISTED IN "DEVIATION FROM STANDARDS" IN FAVOR OF THE SUMMERLIN IMPROVEMENT STANDARDS AND SPECIFICATIONS CLARK COUNTY AREA NEVADA".

JORGE CERVANTES, P.E. #13977, P.T.O.E. — DATE 5-11-09
CITY ENGINEER
CITY OF LAS VEGAS, NEVADA

M. MARGO WHEELER, AICP, DIRECTOR OF PLANNING & DEVELOPMENT — DATE 5/11/09
THIS PLAN MEETS THE APPLICABLE STANDARDS OF THE PLANNING AND DEVELOPMENT DEPARTMENT

NEVADA POWER CO. — DATE 4/6/09
NEVADA POWER COMPANY ACKNOWLEDGES THAT WE HAVE RECEIVED YOUR PLANS AND WILL PROVIDE SERVICE TO ALL ELEMENTS NEEDS ASSOCIATES WITH THIS PROJECT. NEVADA POWER COMPANY RESERVES THE RIGHT TO ADDRESS ANY EXISTING OR FUTURE CONFLICTS ONCE THE FINAL DESIGN IS COMPLETED. THE NEW SERVICE AND THE RESOLUTION OF ANY CONFLICTS WILL BE ACCOMPLISHED PURSUANT TO THE NEVADA PUBLIC UTILITY COMMISSION'S RULES AND REGULATIONS.

SPRINT — Lindsey R. Hudson — DATE 4/6/09
"THE ATTACHED SPRINT NEVADA APPROVAL DOES NOT ASSUME OR GUARANTEE LIABILITY FOR KNOWN OR UNKNOWN CONFLICTS WITH EXISTING OR PROPOSED IMPROVEMENTS. RESOLUTION OF ANY CONFLICT WILL BE ACCOMPLISHED PURSUANT TO LOCAL ORDINANCES, NEVADA REVISED STATUTES AND/OR PUBLIC UTILITY COMMISSION RULES AND REGULATIONS"

SOUTHWEST GAS — Yolanda Yzquierdo — DATE 4/27/09

COX COMMUNICATIONS LAS VEGAS, INC. — Lisset Gonzalez — DATE 4/6/09

LAS VEGAS VALLEY WATER DISTRICT — Robert J. Morgan — DATE 4/14/09
No District Facilities

INDEX OF DRAWINGS

NO.	SHEET	TITLE AND DESCRIPTION
1	C1	COVER SHEET
2	C2	GENERAL NOTES
3	PP1	MAIN ROAD-NORTH-PLAN AND PROFILE 1 OF 4 STA.10+50 TO STA. 17+00
4	PP2	MAIN ROAD-NORTH-PLAN AND PROFILE 2 OF 4 STA.17+00 TO STA. 23+00
5	PP3	MAIN ROAD-NORTH-PLAN AND PROFILE 3 OF 4 STA.23+00 TO STA. 30+00
6	PP4	MAIN ROAD-NORTH-PLAN AND PROFILE 4 OF 4 STA.30+00 TO STA. 38+00
7	PP5	BIG LAKE AND GROUP PICNIC-PLAN AND PROFILE
8	PP6	NURSERY-PLAN AND PROFILE
9	PP7	PARK OFFICE-PLAN AND PROFILE 1 OF 2 STA. 10+50 TO STA. 18+00
* 10	PP8	PARK OFFICE-PLAN AND PROFILE 2 OF 2 STA. 18+00 TO STA. 25+00
11	PP9	MAIN ROAD-SOUTH-PLAN AND PROFILE 1 OF 3 STA. 10+50 TO STA. 18+00
12	PP10	MAIN ROAD-SOUTH-PLAN AND PROFILE 2 OF 3 STA. 18+00 TO STA. 25+00
13	PP11	MAIN ROAD-SOUTH-PLAN AND PROFILE 3 OF 3 STA. 25+00 TO STA. 32+50
14	PP12	RANGER HOUSE-PLAN AND PROFILE

REV	DATE	DESCRIPTION
1	04/22/09	REMOVAL OF PORTIONS OF THE SEWER SYSTEM; LABEL SEWER PUBLIC

DESIGN: MAN
DRAWN: MAN
CHECK: RSG
ISSUE DATE:
REVISION DATE:
PLOT DATE: 05-28-09
PLOT TIME: 13:06:31

G.C. WALLACE, INC.
Engineers/Planners/Surveyors
1555 SOUTH RAINBOW BLVD. LAS VEGAS, NEVADA 89146
PHONE (702) 435-4888 FAX (702) 435-4950 www.gcw.com
I:\1041\101-073\Improvements\FLOYD LAMB PARK SEWER\101-073-SEWER.dwg

LOG CABIN RANCH - SEWER THRU FLOYD LAMB STATE PARK
D.R. HORTON, INC.
COVER SHEET

SHEET C1
1 OF 14 SHTS

3071963
CLV DWG# 11654
3071963

Submitted after City Council
Date 5-12-09 Item 36

GENERAL NOTES

1. IT IS THE CONTRACTORS RESPONSIBILITY TO COORDINATE WITH THE PARK RANGER. THE CONTACT PERSON FOR THIS PROJECT IS: STEPHEN W. SANTEE PHONE# 1-702-486-5413

2. THE RECORDS HAVE BEEN SEARCHED FOR EXISTING UNDERGROUND UTILITIES. HOWEVER, BECAUSE OF THE LACK OF RECORD INFORMATION, THE CONTRACTOR SHOULD USE CAUTION TO PROTECT ALL FACILITIES IN PLACE WHETHER SHOWN OR NOT SHOWN ON THE PLANS. THIS INCLUDES IRRIGATION AND SPRINKLE LINES, POWER, GAS, TELEPHONE, WATER, AND ANY OTHER UTILITY THAT MAY BE LOCATED. SHOULD ANY OF THESE LINES BE BROKEN, THE APPROPRIATE UTILITY COMPANY AND THE ASSIGNED PARK RANGER SHOULD BE INFORMED IMMEDIATELY AND THE FACILITY BE REPAIRED IMMEDIATELY.

3. ANY SURFACE OR PLANTS THAT ARE DESTROYED BY EXCAVATION WILL BE REPLACED IN KIND.

CITY OF LAS VEGAS GENERAL NOTES

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 STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST REVISED EDITION; THE "SUMMERLIN IMPROVEMENT STANDARDS" FOR WORK IN THE SUMMERLIN AREA; AND OTHER 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 "DEVIATIONS FROM STANDARDS".

2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES AS SHOWN FROM CLV PLANS LIBRARY ARE APPROXIMATE AND FOR RECORD PURPOSES. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCE'S, WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COST AND LIABILITY IN CONNECTION THEREWITH.

3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER AND OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.

4. ALL CONSTRUCTION SHALL BE SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.

5. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @28 DAYS. MIX DESIGN TO BE APPROVED BY THE CITY ENGINEER, PRIOR TO THE USE ON THE PROJECT.

6. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.

7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED-TYPE CURB.

8. AC PAVEMENT TO BE ONE-HALF INCH (1/2") ABOVE UP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS AND CROSS GUTTERS.

9. CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY OF LAS VEGAS SHALL BE REMOVED AND REPLACED PER STANDARD DRAWING 216.

10. SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.

11. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF TRANSITIONS TO BE AS SHOWN ON PLANS.

12. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY THE SOILS ENGINEER APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.

13. EXACT LOCATION OF ALL SAWCUT LINES MAY BE ADJUSTED OR DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS ENGINEER IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATIONS.

14. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.R.S. STATUTE NO. 625.550.

15. UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC., SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOW LINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.

16. WALL NOTES: ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSE OF REVIEWING GRADING RELATIONSHIPS; FLOOD CONTROL AND SIGHT DISTANCE AT INTERSECTIONS. NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE BUILDING DEPARTMENT.

17. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHT-OF-WAY.

18. CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING INLETS, VALVE BOXES, MANHOLE RIMS, AND SEWER CLEAN OUTS, ETC. TO FINISH GRADE AS APPLICABLE WHETHER OR NOT THEY ARE SHOWN ON THE PLANS.

19. MATERIALS, HANDLING AND PLACEMENT OF PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF NDOT OR THE CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.

CITY OF LAS VEGAS GRADING NOTES

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 FOR DIRECTION.
2. IT SHALL BE THE 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.
3. CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ALL EXCAVATION. ADEQUATE SHORING SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR TO PREVENT UNDERMINING OF ANY ADJACENT FEATURES OR FACILITIES AND/OR CAVING OF THE EXCAVATION.
4. THE CONTRACTOR IS WARNED THAT AN EARTHWORK BALANCE WAS NOT NECESSARILY THE INTENT OF THIS PROJECT. ANY ADDITIONAL MATERIAL REQUIRED OR LEFTOVER MATERIAL FOLLOWING EARTHWORK OPERATIONS BECOMES THE RESPONSIBILITY OF THE CONTRACTOR.
5. THE GRADING CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE OWNER TO PROVIDE FOR THE REQUIREMENTS OF THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ASSOCIATED PERMIT.
6. CONTRACTOR SHALL GRADE TO THE LINES AND ELEVATIONS SHOWN ON THE PLANS WITHIN THE FOLLOWING HORIZONTAL AND VERTICAL TOLERANCES AND DEGREES OF COMPACTION, IN THE AREAS INDICATED:

	HORIZONTAL	VERTICAL	COMPACTION
A. PAVEMENT AREA SUBGRADE	0.1'+	+0.0' TO -0.1'	SEE SOILS REPORT
B. ENGINEERED FILL	0.5'+	+0.1' TO -0.1'	SEE SOILS REPORT

COMPACTION TESTING WILL BE PERFORMED BY THE OWNER OR HIS REPRESENTATIVE.

7. ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
8. THE USE OF POTABLE WATER WITHOUT A SPECIAL PERMIT FOR BUILDING OR CONSTRUCTION PURPOSES INCLUDING CONSOLIDATION OF BACKFILL OR DUST CONTROL IS PROHIBITED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION WATER.
9. THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC, SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.
10. IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN ON THESE DRAWINGS, THE OWNER AGREES TO PROVIDE AND INSTALL SUCH ITEM AT HIS OWN EXPENSE AT THE DIRECTION OF THE CITY ENGINEER. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.

CITY OF LAS VEGAS SEWER NOTES

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 THE ABOVE SPECIFICATIONS.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS. ANY ADDITIONS, DELETIONS, OR CHANGES SHALL FIRST MEET WITH THE APPROVAL OF THE CITY ENGINEER.
3. CHISEL "S" OR "G" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
4. POLYVINYL (PVC) SEWER PIPE SHALL MEET ASTM D-3034 SDR 35 SPECIFICATIONS, INSTALLED WITH SAND BEDDING AND BACKFILL OF TYPE II AGGREGATE BASE.
5. ALL MANHOLES PAVED IN STREETS EIGHTY (80') FOOT R/W AND LARGER SHALL HAVE CONCRETE COLLARS. STREETS LESS THAN EIGHTY (80') FOOT R/W WILL REQUIRE RETROFIT IF PAVING DOES NOT CONFORM TO CITY STANDARDS AT THE MANHOLE.
6. TEE SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAIN LINES UP TO TWELVE INCH (12") DIAMETER. CONNECTIONS TO FIFTEEN INCH (15") OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES. IN LINE "Y" 'S SHALL BE USED ON LINES TWELVE INCHES (12") OR ABOVE.
7. WATER MAINS SHALL BE PROTECTED IN ACCORDANCE WITH LVVWD STANDARDS WHENEVER A SEWER MAIN CROSSES OVER A WATER MAIN OR THE SEWER IS LESS THAN EIGHTEEN INCH (18") UNDER A WATER MAIN.
8. ALL CONTRACTORS INSTALLING SEWER MAINS THAT WILL BE UNDER THE JURISDICTION OF THE CITY OF LAS VEGAS MUST BE STATE OF NEVADA CLASS "A" CONTRACTORS.
9. THE CITY OF LAS VEGAS WILL NOT ACCEPT ANY SEWER MAINS WHICH HAVE A VERTICAL DEFLECTION OF MORE THAN ONE TENTH (0.1) OF A FOOT FROM THE APPROVED CONSTRUCTION PLANS AT ANY LOCATION. SEWER MAINS FOUND TO EXCEED THIS TOLERANCE WILL HAVE TO BE REPAIRED OR REMOVED OR REPLACED TO THE SATISFACTION OF THE CITY ENGINEER PRIOR TO ACCEPTANCE BY THE CITY OF LAS VEGAS.
10. INSTALLATION OF CURVED SEWER REQUIRES THE USE OF C-900 PVC PIPE WHICH ALLOWS FOR PIPE DEFLECTION AT THE JOINTS.

CITY OF LAS VEGAS TRAFFIC NOTES

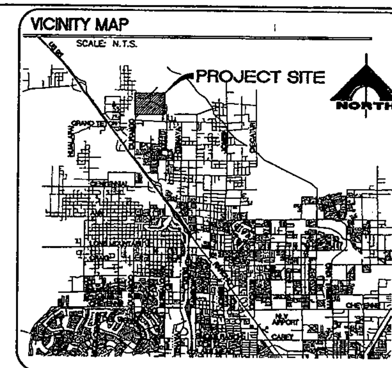
1. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.
2. THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE PLANNING DEPARTMENT PRIOR TO CONSTRUCTION.
3. BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING CITY STREETS WHERE WARRANTED IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.
4. WHEN A DESIGNATED "SAFE ROUTE TO SCHOOL" IS ENCROACHED UPON BY A CONSTRUCTION WORK ZONE AND PUBLIC WORKS STAFF IDENTIFIES A NEED FOR STUDENTS TO BE ASSISTED IN THE SAFE CROSSING THROUGH THAT WORK ZONE, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A QUALIFIED "CROSSING GUARD". THE GUARD SHALL BE PRESENT FOR THE FULL DURATION OF TIME THAT CHILDREN ARE LIKELY TO BE PRESENT.
5. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PERMANENT SIGNS SHOWN ON THE PLANS. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CURRENT CITY STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT CITY STANDARDS.
7. WHEN A PROPOSED STREET LIGHT STANDARD IS LOCATED WITHIN FIVE FEET (5') OF ANY PROPOSED SIGN SHOWN ON THE PLANS TO BE MOUNTED ON A SIGNPOST, THE SIGN SHALL BE MOUNTED ON THE STREET LIGHT STANDARD AND THE SIGNPOST SHALL BE ELIMINATED.
8. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HEREUNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.
9. STREET SIGNS AND STOP SIGNS SHALL BE INSTALLED PER CITY STANDARD SPECIFICATIONS FOR PLACEMENT OF STREET NAME SIGNS.
10. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL DEVICES AND FLAGGERS TO ENSURE THE SAFETY OF THE PUBLIC IN OR AROUND THE WORK AREA. THE CONTRACTOR SHALL HAVE A CERTIFIED ATSSA TRAFFIC CONTROL TECHNICIAN OR IMSA WORK ZONE SAFETY SPECIALIST SET-UP, MAINTAIN AND/OR REMOVE ALL TRAFFIC CONTROL DEVICES IN THE CITY OF LAS VEGAS RIGHTS OF WAY.
11. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE EXPEDITED TO COMPLETION SO AS TO PROVIDE A MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING CITIZENS AREA TRANSIT (C.A.T.) IF THE CONSTRUCTION INTERRUPTS OR RELOCATES A BUS STOP OR HAS AN ADVERSE EFFECT ON BUS SERVICE ON THAT STREET AND TO ARRANGE FOR TEMPORARY RELOCATION OF STOP.
13. GUARDS SHALL BE OBTAINED BY CONTACTING THE METROPOLITAN POLICE DEPARTMENT SPECIAL EVENTS UNIT (PHONE NO. IS 229-3412) WHO WILL PROVIDE OFFICERS PROPERLY TRAINED IN TRAFFIC CONTROL. FEES FOR THE USE OF THESE OFFICERS SHALL BE SET BY METRO AND WILL BE PAID BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR ALL ARRANGEMENTS WITH METRO.
14. ANY WORK WITHIN 300' OF A SIGNALIZED INTERSECTION WILL BE NIGHT WORK, UNLESS DIRECTED BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER.

SEWER MANHOLE TABLE					
SSMH	RIM	INV. IN	INV. OUT	NORTHING	EASTING
MH #1	2470.5±	2463.00	2463.80	2428.8605	12549.8744
MH #2	2468.0±	2458.17	2457.97	2564.5919	12649.0863
MH #3	2464.4±	2458.69	2458.49	2733.8458	12830.6843
MH #4	2461.0±	2456.54	2451.34	2831.1650	13032.4943
MH #5	2458.4±	2450.68	2450.48	3005.7844	13148.1606
MH #6	2457.8±	2448.88	2449.58	3016.7649	13260.9368
MH #7	2454.0±	2448.58	2448.38	2935.4344	13531.0583
MH #8	2453.0±	2445.60	2445.40	2899.8332	13650.7890
MH #9	2452.0±	2444.01	2443.91	2752.7851	13885.9171
MH #10	2447.8±	2438.51	2438.31	2644.8491	14148.3158
MH #11	2448.0±	2437.55	2437.35	2397.0003	14303.1389
MH #12	2459.6±	2453.50	2453.30	3739.6821	13254.6875
MH #13	2458.8±	2451.80	2451.60	3553.1787	13819.3271
MH #14	2458.6±	2450.32	2450.12	3457.8759	13438.8592
MH #15	2456.0±	2448.13	2447.93	3162.5782	13601.8748
MH #16	2447.8±	2440.91	2440.71	2457.2842	14082.3965
MH #17	2484.7±	2478.00	2477.80	-31.5098	11577.9823
MH #18	2483.8±	2477.39	2477.19	-13.8055	11643.6541
MH #19	2480.2±	2474.60	2474.40	170.2531	11701.6739
MH #20	2478.0±	2472.20	2472.00	353.5848	11849.5682
MH #21	2477.3±	2470.82	2470.62	603.4183	11880.1905
MH #22	2472.1±	2466.17	2465.97	603.4183	12129.3200
MH #23	2467.6±	2461.27	2461.07	603.4183	12377.8418
MH #24	2465.9±	2460.00	2459.80	603.4183	12484.8043
MH #25	2463.1±	2459.12	2458.92	645.8921	12538.6866
MH #26	2481.5±	2456.94	2456.74	847.8495	12604.4150
MH #27	2464.2±	2455.70	2455.50	1051.3074	12650.2464
MH #28	2466.5±	2454.08	2453.88	1329.6627	12722.8089
MH #29	2470.5±	2463.50	2463.30	923.8100	12328.0724
MH #30	2470.0±	2462.37	2462.17	1048.5522	12330.5601
MH #31	2468.2±	2460.37	2460.17	1130.7454	12398.9472
MH #32	2468.0±	2459.00	2458.80	1076.0381	12553.7723
MH #33	2474.8±	2468.00	2467.80	1351.1791	12048.1371
MH #34	2474.1±	2468.48	2468.28	1341.7314	12223.0682
MH #35	2471.0±	2462.00	2461.80	1329.6627	12522.6095
MH #36	2454.9±	2448.00	2447.80	1321.0455	13158.7937
MH #37	2453.3±	2446.30	2446.10	1288.4562	13257.7976
MH #38	2449.0±	2440.69	2440.49	1285.4524	13487.1045

For EGN △ only
4/22/11

VICINITY MAP

SCALE: N.T.S.



LEGEND

PROPERTY LINE	2" BLOW-OFF ASSEMBLY
RIGHT OF WAY	WATER LINE
CENTERLINE	SEWER LINE
SAWCUT LINE	SEWER MANHOLE
2:1 SCARP OR FLATTER	SEWER LATERAL
DITCH OR SWALE (WITH DIRECTION OF FLOW)	STORM DRAIN LINE
PROPOSED ELEVATION	PROPOSED STREETLIGHT
EXISTING ELEVATION	CONCRETE PULLBOX WITH METAL COVER
FUTURE DESIGN ELEVATION	PAD MOUNTED SERVICE PEDESTAL
DETAIL LOCATOR	TYPE II BARRICADE PER USD. DWG. No. 601
PROPOSED FIRE HYDRANT	PROPOSED STREET SIGN
GATE VALVE	EXISTING CONTOUR (5' INTERVAL)
	EXISTING CONTOUR (1' INTERVAL)
	EXISTING FIRE HYDRANT
	EXISTING WATER LINE
	EXISTING SEWER LINE
	EXISTING SEWER MANHOLE
	EXISTING STORM DRAIN LINE

ABBREVIATIONS

SG = SUB-GRADE
W = WATER
SS = SEWER
SD = STORM DRAIN
SL = STREET LIGHTING
SIG = TRAFFIC SIGNAL
SSMH = SEWER MANHOLE
SDMH = STORM DRAIN MANHOLE
CLV = CITY OF LAS VEGAS
LVVWD = LAS VEGAS VALLEY WATER DISTRICT
TC = TOP OF CURB
FL = FLOW LINE
FG = FINISH GRADE
TG = TOP OF GRATE
FS = FINISH SURFACE
DG = DESIGN GRADE
GB = GRADE BREAK
EX. = EXISTING
BCR = BACK OF CURB RETURN
S = SLOPE
BLDG = BUILDING
LF = LINEAR FEET
USDCCA = UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS
UDS = UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS

BASIS OF BEARINGS

NORTH 00°28'28" WEST BEING THE BEARING OF THE WEST LINE OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 4, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M. CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN FILE 105, PAGE 09 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL
CITY OF LAS VEGAS BM #LV504NW 1/4 CORNER, BLM 1990 D MOCCASIN AND CIMMARON

ELEVATION: 759.8707 METERS (NAVD88)
2493.01 FEET

SEWER QUANTITIES

	PRIVATE	PUBLIC
48" SANITARY SEWER MANHOLE	37 EA.	1EA.
8" PVC SANITARY SEWER	7,769 LF.	3791 LF.
8" PVC SANITARY SEWER	658 LF.	60 LF.

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

Avoid cutting underground utility lines. It's costly. Call before you Dig. 1-800-227-2600 UNDERGROUND SERVICE (USA)

AVOID HITTING UNDERGROUND TRAFFIC SIGNAL SYSTEMS AND STREET LIGHT SYSTEM CONDUITS. IT'S COSTLY. CALL BEFORE YOU DO UNDERGROUND. Call before you UnderGround 1-702-455-7511 CLARK COUNTY TRAFFIC OPERATIONS AND 1-702-229-6611 LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

DEVIATION FROM STANDARDS

1. NONE

REV	DATE	DESCRIPTION	DATE	AGEN APP	DATE	DCW APP
1		Relocation of portions of sewer. Label sewer public			4/4/...	SSE

DESIGN:
DRAWN:
CHECK:
ISSUE DATE:
ISSUE EDITOR:
PLOT DATE: 05-04-06
PLOT TIME: 13:11:31

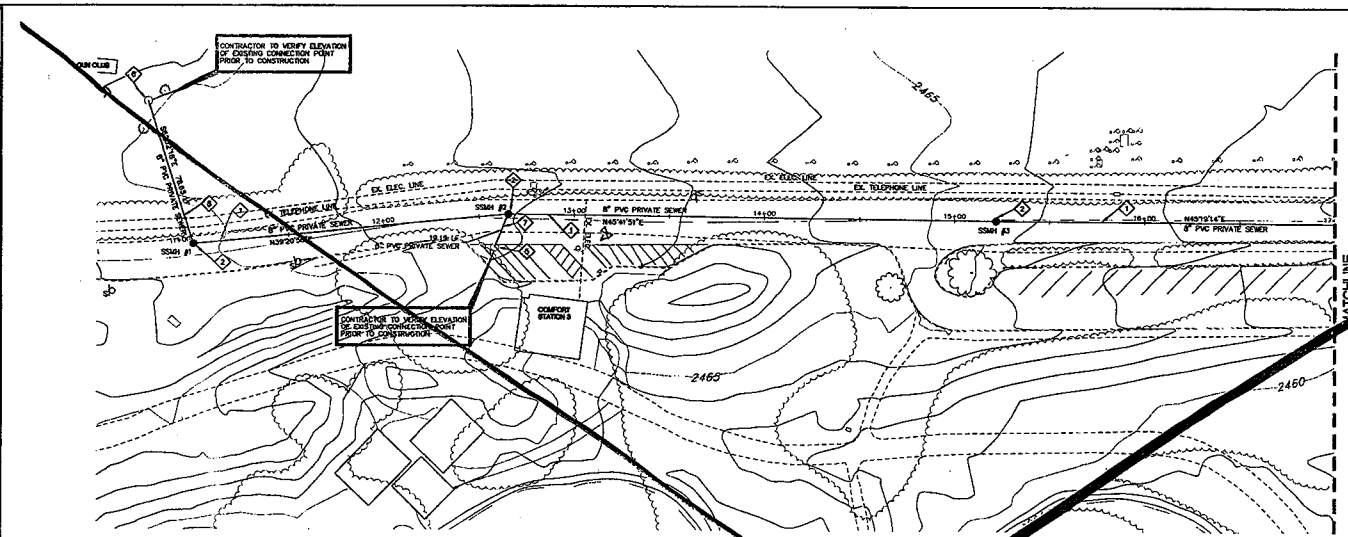
G.C. WALLACE, INC.
Engineers/Planners/Surveyors
1555 SOUTH RAINBOW BLVD./LAS VEGAS, NEVADA 89146
TELEPHONE: (702) 804-2000 FAX: (702) 804-2299

LOG CABIN RANCH - SEWER THRU FLOYD LAMB STATE PARK
D.R. HORTON, INC.
GENERAL NOTES

SHEET C2
2 OF 14 SHTS

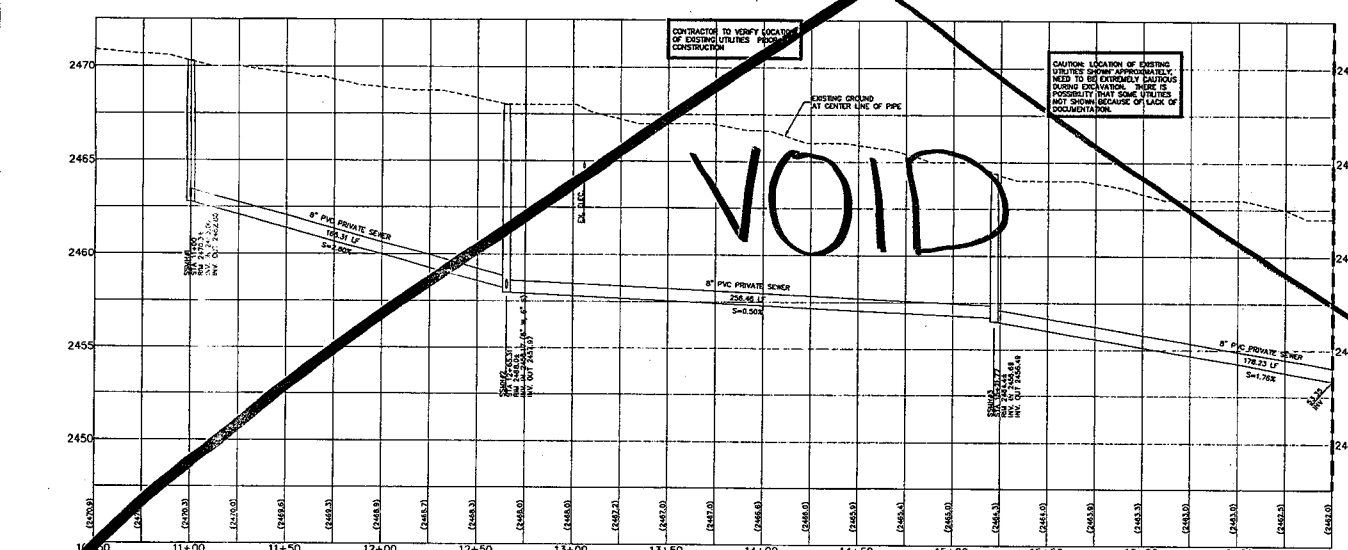
307Y963
CLV DWG# 11654

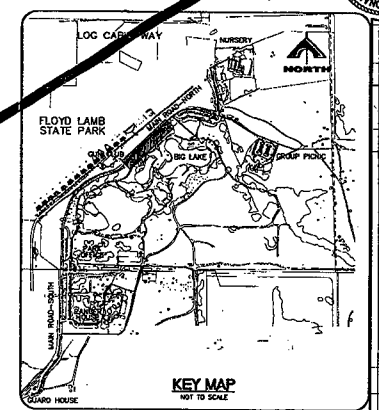
116863
9174011



MAIN ROAD-NORTH
PLAN AND PROFILE

SCALE
HORIZ. 1" = 30'
VERT. 1" = 3'





KEY MAP
NOT TO SCALE

SEWER NOTES

1. INSTALL SEWER MAIN. TRENCH SECTION BACKFILL PER COWRD DWG. 3016
2. INSTALL 48" SANITARY SEWER MANHOLE PER COWRD DWG. 501.
3. STUB AND PLUG FOR FUTURE USE.
4. CONNECT TO EXISTING 8" PVC SEWER
5. REMOVE EXISTING MANHOLE AND SEPTIC TANK. INSTALL NEW CLEAN OUT. CONTRACTOR TO VERIFY ELEVATION OF EXISTING CONNECTION POINT PRIOR TO CONSTRUCTION
6. CONNECT TO EXISTING CLEAN OUT. CONTRACTOR TO VERIFY ELEVATION OF EXISTING CONNECTION POINT PRIOR TO CONSTRUCTION
7. STRAIGHT GRADE BETWEEN MANHOLES AT 1% MINIMUM.
8. STRAIGHT GRADE BETWEEN MANHOLE AND CLEAN OUT AT 1% MINIMUM.

SEWER CONNECTION NOTE

A SEGMENT OF THE DOWNSTREAM SEWER SYSTEM THAT WILL SERVE THIS PROJECT HAS NOT BEEN COMPLETED AND/OR ACCEPTED FOR MAINTENANCE BY THE CITY OF LAS VEGAS. ANY WORK DONE ON THIS PROJECT PRIOR TO COMPLETION AND/OR ACCEPTANCE OF THE DOWNSTREAM SEWER SYSTEM(S) SHALL BE DONE AT THE DEVELOPER'S OWN RISK. THE CITY OF LAS VEGAS RESERVES THE RIGHT TO PREVENT THE PHYSICAL CONNECTION OF THIS PROJECT INTO THE DOWNSTREAM SEWER SYSTEM UNTIL ALL SEGMENTS HAVE BEEN COMPLETED AND ACCEPTED FOR MAINTENANCE, OR UNTIL SUCH TIME AS THEY HAVE BEEN DEEMED AVAILABLE FOR SERVICE.

ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.19 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSING AND CLEARANCES. ESM-064

NOTICE

G.C. WALLACE, INC. ASSUME NO RESPONSIBILITY FOR EXISTING UTILITY SHOWN OR NOT SHOWN. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM RECORD INFORMATION AND ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND DEPTH OF ALL RELEVANT UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF A CONFLICT OR DISCREPANCY IS DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING IMMEDIATELY.

BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL
CITY OF LAS VEGAS BM #LVS04H4 1/4 CORNER, BLM 1990 D
MOCCASIN AND CIMARRON

ELEVATION 756.8707 METERS (NAVD88)
2483.04 FEET

BASIS OF BEARINGS

NORTH 00°28'28" WEST BEING THE BEARING OF THE WEST LINE OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 4, TOWNSHIP 18 SOUTH, RANGE 60 EAST, M.&M. CITY OF LAS VEGAS, CLARK COUNTY, NEVADA. AS SHOWN BY MAP THEREOF ON FILE IN FILE 125, PAGE 09 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

Avoid digging underground utility lines. It's costly
Call before you Dig.
1-800-227-2600
UNDERGROUND SERVICE (USA)

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AVOID HITTING UNDERGROUND TRAFFIC SIGNAL SYSTEMS AND STREET LIGHT SYSTEM CONDUITS IT'S COSTLY
CALL BEFORE YOU DIG UNDERGROUND
Call before you Underground
1-702-455-7511
CLARK COUNTY TRAFFIC SIGNALS
1-702-229-6811
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

4/22/09
FOR RDV ⚠ ONLY

SCALE 30 0 30 60

NORTH

PROFESSIONAL ENGINEER - STATE OF NEVADA
MARIANA J. VANCE
No. 17140
DATE: 05.04.06

REV.	DESCRIPTION	BY	DATE
A	REVISED PER CITY COMMENTS	MJV	05-04-06

DESIGN: HAM
DRAWN: HAM
CHECKED: LMC
ISSUE DATE:
ISSUE EDITOR:
PLOT DATE: 05-04-06
PLOT TIME: 15:41:57

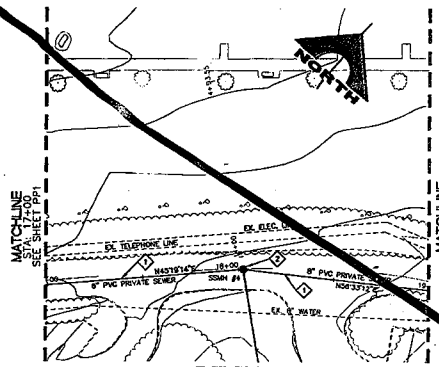
G.C. WALLACE, INC.
Engineers/Planners/Surveyors
5580 S. CAMINO REAL, LAS VEGAS, NEVADA 89118
TELEPHONE: (702) 896-5047 FAX: (702) 896-8196
M:\Vol1\127-013\cad\Improve\STATE PARK SEWER\R - SEW-PP.dwg Microstation

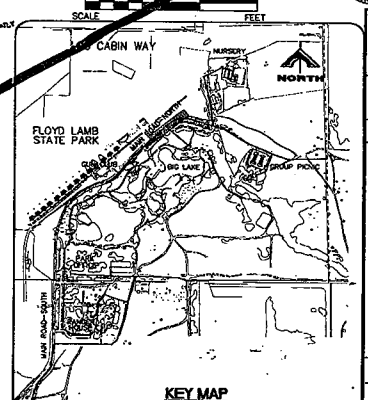
LOG CABIN RANCH - SEWER THRU FLOYD LAMB STATE PARK
D.R. HORTON, INC.
MAIN ROAD-NORTH - PLAN AND PROFILE 1 OF 4
STA. 10+50 TO STA. 17+00

DRAWING
PP1
3 OF 14 SHTS

116364
9/27/01

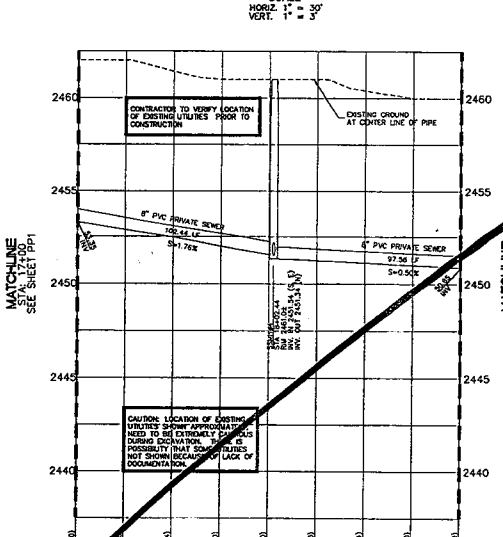
CLV DWG# 11654 307 V963



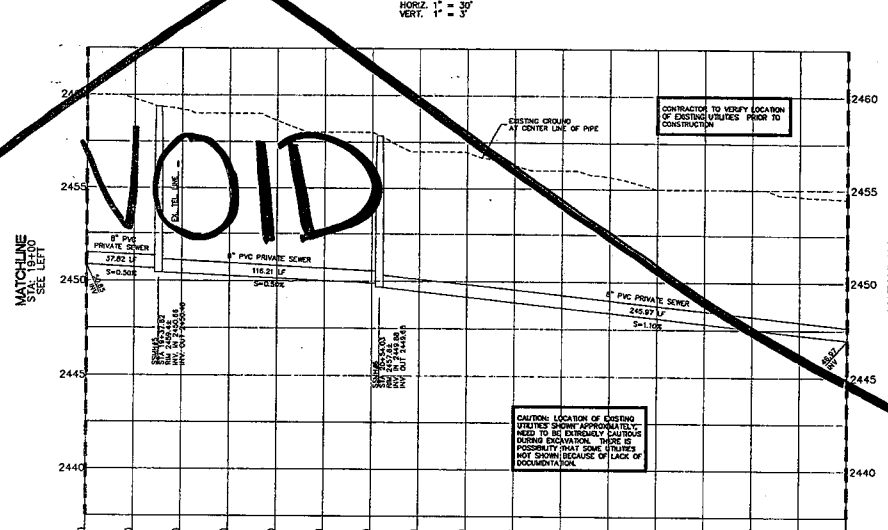


KEY MAP
NOT TO SCALE

MAIN ROAD-NORTH
PLAN AND PROFILE
SCALE
HORIZ. 1" = 30'
VERT. 1" = 3'



MAIN ROAD-NORTH
PLAN AND PROFILE
SCALE
HORIZ. 1" = 30'
VERT. 1" = 3'



SEWER NOTES

1. INSTALL SEWER MAIN. TRENCH SECTION BACKFILL PER CCRRD DWG. 5218
2. INSTALL 48" SANITARY SEWER MANHOLE PER CCRRD DWG. 5211
3. STUB AND PLUG FOR FUTURE USE.
4. CONNECT TO EXISTING 8" PVC SEWER
5. REMOVE EXISTING MANHOLE AND SEPTIC TANK. INSTALL NEW CLEAN OUT. CONTRACTOR TO VERIFY ELEVATION OF EXISTING CONNECTION POINT PRIOR TO CONSTRUCTION
6. CONNECT TO EXISTING CLEAN OUT. CONTRACTOR TO VERIFY ELEVATION OF EXISTING CONNECTION POINT PRIOR TO CONSTRUCTION
7. STRAIGHT GRADE BETWEEN MANHOLES AT 1% MINIMUM.
8. STRAIGHT GRADE BETWEEN MANHOLE AND CLEAN OUT AT 1% MINIMUM.

SEWER CONNECTION NOTE

A SEGMENT OF THE DOWNSTREAM SEWER SYSTEM THAT WILL SERVE THIS PROJECT HAS NOT BEEN COMPLETED AND/OR ACCEPTED FOR MAINTENANCE BY THE CITY OF LAS VEGAS. ANY WORK DONE ON THIS PROJECT PRIOR TO COMPLETION AND/OR ACCEPTANCE OF THE DOWNSTREAM SEWER SYSTEM(S) SHALL BE DONE AT THE DEVELOPER'S OWN RISK. THE CITY OF LAS VEGAS RESERVES THE RIGHT TO PREVENT THE FINAL CONNECTION OF THIS PROJECT INTO THE DOWNSTREAM SEWER SYSTEM UNTIL ALL SEGMENTS HAVE BEEN COMPLETED AND ACCEPTED FOR MAINTENANCE, OR UNTIL SUCH TIME AS THEY HAVE BEEN DEEMED AVAILABLE FOR SERVICE.

ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.18 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSING AND CLEARANCES. ES\.064

NOTICE

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BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL
CITY OF LAS VEGAS BM #TLV904AN4 1/4 CORNER, BLM 1990 O MOCCASIN AND CIMMARON
ELEVATION 738.8707 METERS (NAVD88)
2423.01 FEET

BASIS OF BEARINGS

N00°28'28" WEST BEING THE BEARING OF THE WEST LINE OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 4, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M. CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN FILE 105, PAGE 09 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

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1-702-227-2929

AVOID HITTING UNDERGROUND TRAFFIC SIGNAL SYSTEMS AND STREET LIGHTING SYSTEM CONDUITS
BEFORE YOU DIG CALL
Call before you Dig
Underground
1-702-455-7511
CLARK COUNTY TRAFFIC OPERATIONS
1-702-229-6611
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

G.C. WALLACE, INC.
Engineers/Planners/Surveyors
2880 S. JONES BLVD., SUITE 3-E, LAS VEGAS, NEVADA 89146
TELEPHONE: (702) 804-2000 • FAX: (702) 804-2299

LOG CABIN RANCH - SEWER THRU FLOYD LAMB STATE PARK
D.R. HORTON, INC.
MAIN ROAD-NORTH - PLAN AND PROFILE 2 OF 4
STA. 17+00 TO STA. 23+00

DRAWING
PP2
4 OF 14 SHTS

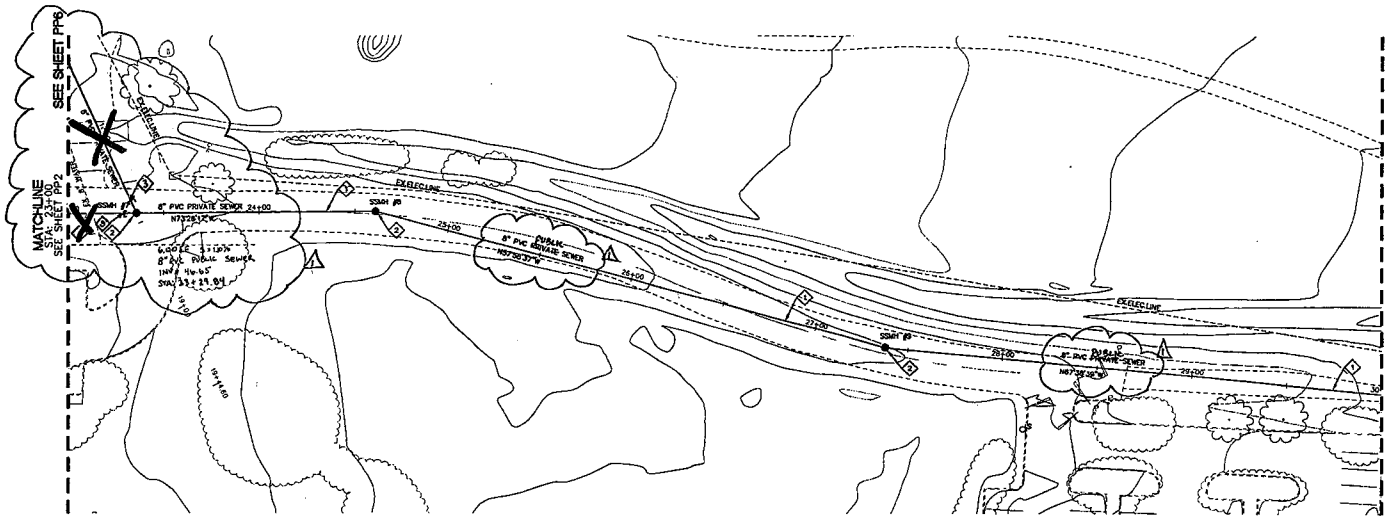
DESIGN: MAN
DRAWN: MAN
CHECK: MJS
ISSUE DATE: -
ISSUE EDITOR: -
PLOT DATE: 05-04-06
PLOT TIME: 13:42:13

NO.	DATE	REVISIONS
1	11/04/05	CONSULT. OF PERMIT OF FACILITY LAND USAGE PERMITS

DATE: 08/04/05

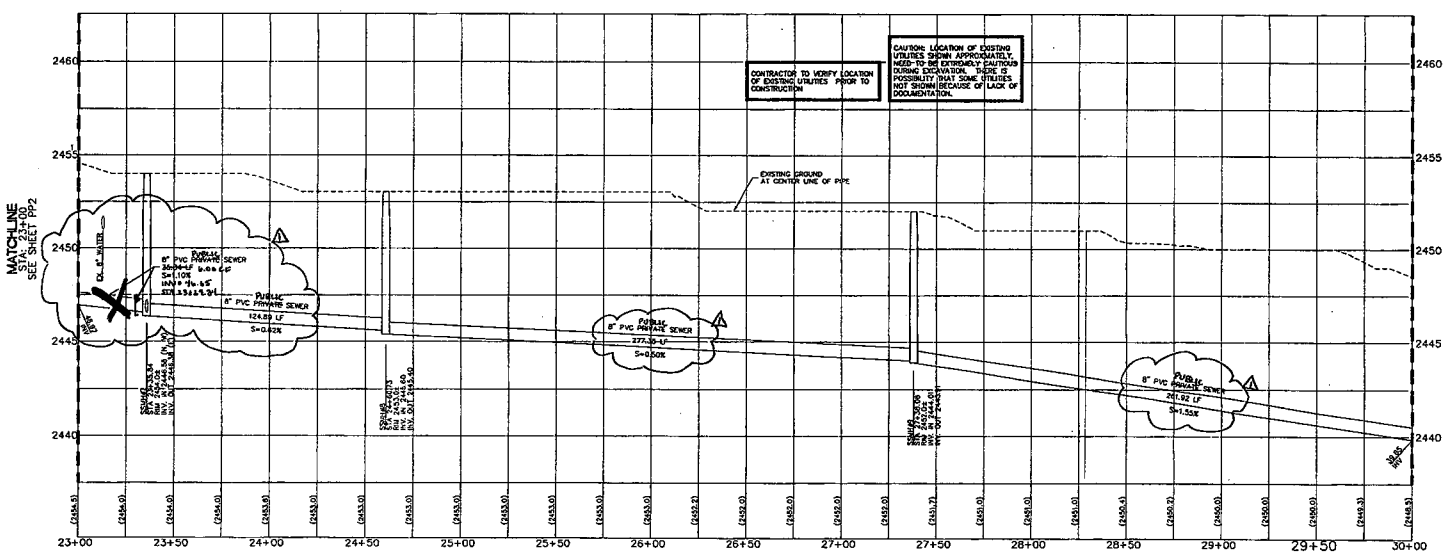
116865
91742 22

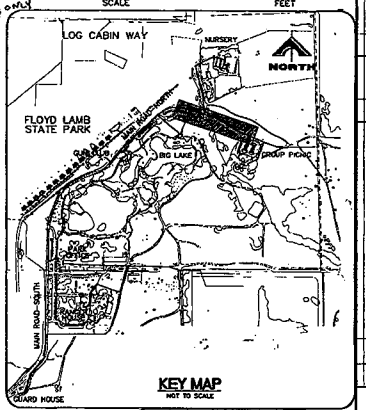
CLV DWG# 116554
3014963



MAIN ROAD-NORTH
PLAN AND PROFILE

SCALE
HORIZ. 1" = 30'
VERT. 1" = 3'





KEY MAP
NOT TO SCALE

SEWER NOTES

1. INSTALL SEWER MAIN TRENCH SECTION BACKFILL PER DCOMD DWG. S076
2. INSTALL 48" SANITARY SEWER MANHOLE PER DCOMD DWG. S01.
3. STUB AND PLUG FOR FUTURE USE.
4. CONNECT TO EXISTING 8" PVC SEWER
5. REMOVE EXISTING MANHOLE AND SEPTIC TANK. INSTALL NEW CLEAN OUT. CONTRACTOR TO VERIFY ELEVATION OF EXISTING CONNECTION POINT PRIOR TO CONSTRUCTION
6. CONNECT TO EXISTING CLEAN OUT. CONTRACTOR TO VERIFY ELEVATION OF EXISTING CONNECTION POINT PRIOR TO CONSTRUCTION
7. STRAIGHT GRADE BETWEEN MANHOLES AT 1% MINIMUM.
8. STRAIGHT GRADE BETWEEN MANHOLE AND CLEAN OUT AT 1% MINIMUM.

SEWER CONNECTION NOTE

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ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.19 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSING AND CLEARANCES. ESK-06A

NOTICE

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BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL
CITY OF LAS VEGAS BM #ILV904N4 1/4 CORNER, BLM 1990 D
MOCCASIN AND CHALMERS

ELEVATION: 759.8707 METERS (NAVD88)
2493.01 FEET

BASIS OF BEARINGS

NORTH 00°28'25" WEST BEING THE BEARING OF THE WEST LINE OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 4, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.B.&M. CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN FILE 105, PAGE 09 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

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UNDERGROUND SERVICE (USA)

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AVOID HITTING UNDERGROUND TRAFFIC SIGNAL SYSTEMS AND STREET LIGHT SYSTEM CONDUITS IT'S COSTLY
CALL BEFORE YOU DO UNDERGROUND
Call before you UnderGround
1-702-455-7511
CLARK COUNTY TRAFFIC OPERATIONS
OR
1-702-229-6611
LAS VEGAS AREA COORDINATED TRAFFIC SYSTEM

FOR REV 1 ONLY 4/13/09

REV.	DATE	DESCRIPTION	APPROVED
1	4-13-09	REVISED ALIGNMENT OF SEWER LINE, ADDED SEWER NOTE	

DESIGN: MAN
DRAWN: MAN
CHECK: MAC
ISSUE DATE:
REVISION DATE:
PLOT DATE: 03-06-09
PLOT TIME: 13:42:22

G.C. WALLACE, INC.
Engineers/Planners/Surveyors
1555 SOUTH RAINBOW BLVD./LAS VEGAS, NEVADA 89146
(702) 804-2100 FAX (702) 804-2299

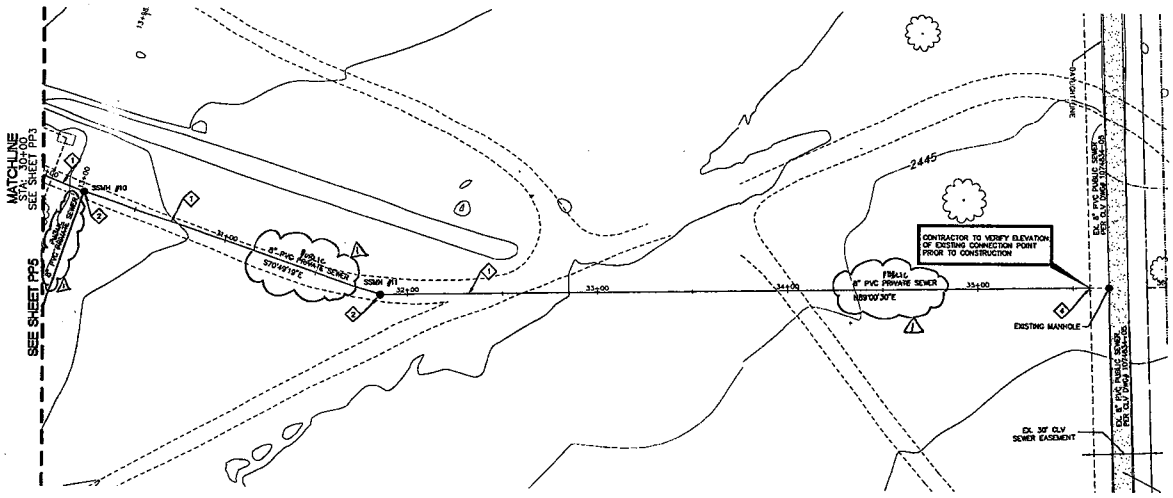
H:\0561\197-012\dwg\Design\STATE PARK SEWER\PP-Sewer.dwg, Revision1

LOG CABIN RANCH - SEWER THRU FLOYD LAMB STATE PARK
D.R. HORTON, INC.
MAIN ROAD-NORTH - PLAN AND PROFILE 3 OF 4
STA. 23+00 TO STA. 30+00

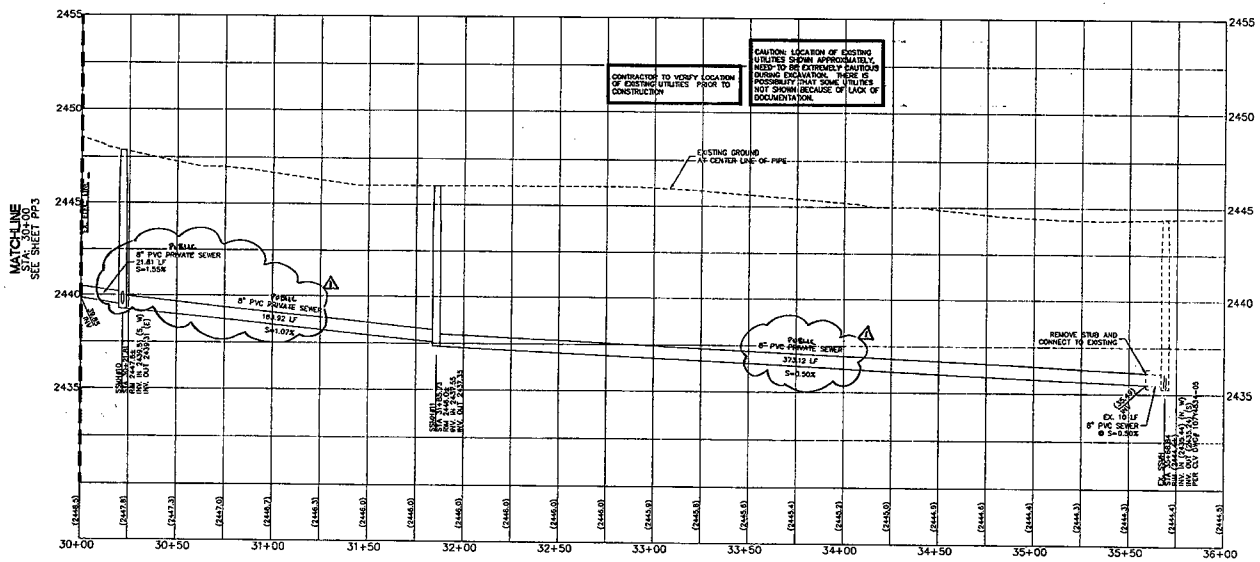
DRAWING
PP3
5 OF 14 SHTS

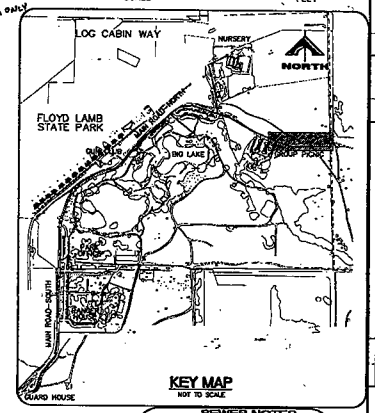
116866
9174321

CLV DWG# 11654 307V963



MAIN ROAD-NORTH
PLAN AND PROFILE
SCALE
HORIZ. 1" = 30'
VERT. 1" = 3'





KEY MAP
NOT TO SCALE

SEWER NOTES

1. INSTALL SEWER MAIN, TRENCH SECTION BADDELL PER CCWRD DWG. 5016
2. INSTALL 48" SANITARY SEWER MANHOLE PER CCWRD DWG. 501.
3. STUB AND PLUG FOR FUTURE USE.
4. CONNECT TO EXISTING 8" PVC SEWER
5. REMOVE EXISTING MANHOLE AND SEPTIC TANK. INSTALL NEW CLEAN OUT. CONTRACTOR TO VERIFY ELEVATION OF EXISTING CONNECTION POINT PRIOR TO CONSTRUCTION
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SEWER CONNECTION NOTE

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BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL
CITY OF LAS VEGAS BM #LVS04N4 1/4 CORNER, BLM 1990 D MOCCASIN AND CIMARRON
ELEVATION: 759.8767 METERS (NAVD88)
2493.01 FEET

BASIS OF BEARINGS

NORTH 00°28'28" WEST BEING THE BEARING OF THE WEST LINE OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 4, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M. CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN FILE 105, PAGE 09 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

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AVOID HITTING UNDERGROUND TRAFFIC SIGNAL SYSTEMS AND STREET LIGHT SYSTEM CONDUITS IT'S COSTLY CALL BEFORE YOU DO UNDERGROUND
Call before you UnderGround
1-702-455-7511
CLARK COUNTY TRAFFIC OPERATIONS
1-702-229-6611
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

G.C. WALLACE, INC.
Engineers/Planners/Surveyors
1555 SOUTH RAINBOW BLVD., LAS VEGAS, NEVADA 89146
(702) 804-2000 FAX: (702) 804-2099

DESIGN: HAM
DRAWN: HAM
CHECK: MJG
ISSUE DATE:
ISSUE STATUS:
PLOT DATE: 12-02-03
PLOT TIME: 13:42:33

1	11/04/03	CHANGE OF ALIGNMENT, SEWER, AVALON	HAM
2	11/21/03	CHANGE OF ALIGNMENT, SEWER, AVALON	HAM
3	12/02/03	REVISED PER CLV COMMENTS	HAM

LOG CABIN RANCH - SEWER THRU FLOYD LAMB STATE PARK

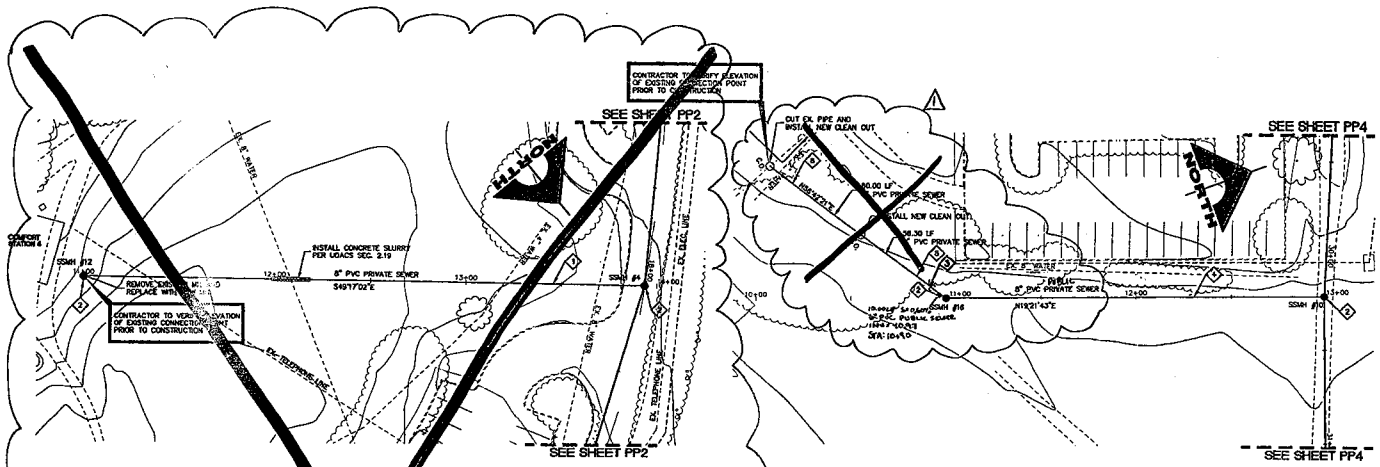
D.R. HORTON, INC.

MAIN ROAD-NORTH - PLAN AND PROFILE 4 OF 4
STA. 30+00 TO STA. 36+00

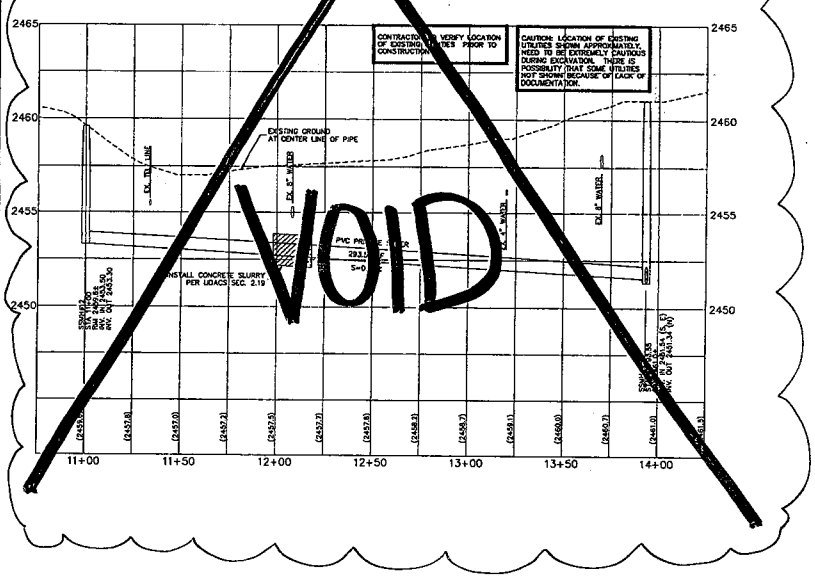
DRAWING
PP4
6 OF 14 SHTS

CLV DWG# 11654 · 307V963

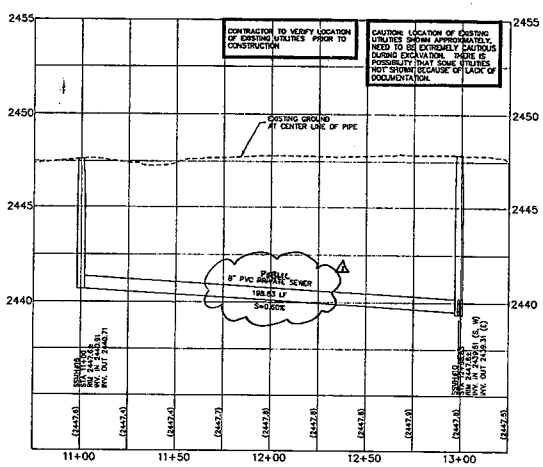
116967
91744

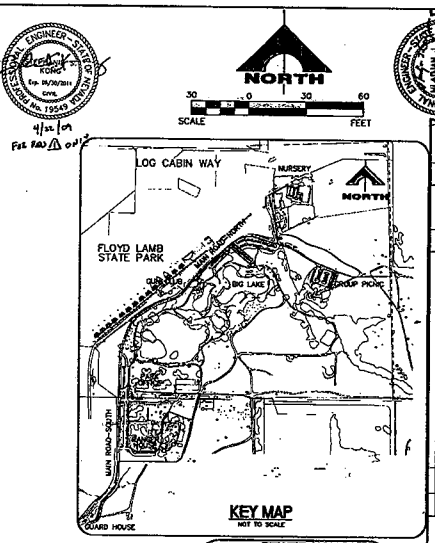


BIG LAKE
PLAN AND PROFILE
SCALE
HORIZ. 1" = 30'
VERT. 1" = 3'



GROUP PICNIC
PLAN AND PROFILE
SCALE
HORIZ. 1" = 30'
VERT. 1" = 3'





KEY MAP
NOT TO SCALE

SEWER NOTES

1. INSTALL SEWER MAIN TRENCH SECTION BACKFILL PER CCRRD DWG. 2016
2. INSTALL 48" SANITARY SEWER MANHOLE PER CCRRD DWG. 501.
3. STUB AND PLUG FOR FUTURE USE.
4. CONNECT TO EXISTING 8" PVC SEWER
5. REMOVE EXISTING MANHOLE AND SEPTIC TANK. INSTALL NEW CLEAN OUT. CONTRACTOR TO VERIFY ELEVATION OF EXISTING CONNECTION POINT PRIOR TO CONSTRUCTION
6. CONNECT TO EXISTING CLEAN OUT. CONTRACTOR TO VERIFY ELEVATION OF EXISTING CONNECTION POINT PRIOR TO CONSTRUCTION
7. STRAIGHT GRADE BETWEEN MANHOLES AT 1% MINIMUM.
8. STRAIGHT GRADE BETWEEN MANHOLE AND CLEAN OUT AT 1% MINIMUM.

SEWER CONNECTION NOTE

A SEGMENT OF THE DOWNSTREAM SEWER SYSTEM THAT WILL SERVE THIS PROJECT HAS NOT BEEN COMPLETED AND/OR ACCEPTED FOR MAINTENANCE BY THE CITY OF LAS VEGAS. ANY WORK DONE ON THIS PROJECT PRIOR TO COMPLETION AND/OR ACCEPTANCE OF THE DOWNSTREAM SEWER SYSTEM(S) SHALL BE DONE AT THE DEVELOPER'S OWN RISK. THE CITY OF LAS VEGAS RESERVES THE RIGHT TO PREVENT THE PHYSICAL CONNECTION OF THIS PROJECT INTO THE DOWNSTREAM SEWER SYSTEM UNTIL ALL SEGMENTS HAVE BEEN COMPLETED AND ACCEPTED FOR MAINTENANCE, OR UNTIL SUCH TIME AS THEY HAVE BEEN DEEMED AVAILABLE FOR SERVICE.

ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.15 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSING AND CLEARANCES. ESH.064

NOTICE

C.C. WALLACE, INC. ASSUME NO RESPONSIBILITY FOR EXISTING UTILITY SHOWN OR NOT SHOWN. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM RECORD INFORMATION AND ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND DEPTH OF ALL RELEVANT UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF A CONFLICT OR DISCREPANCY IS DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING IMMEDIATELY.

BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL
CITY OF LAS VEGAS DM #LV90494A 1/4 CORNER, BLM 1990 D MOCCASIN AND CIMMARON
ELEVATION: 759.6707 METERS (NAVD88)
2491.68 FEET

BASIS OF BEARINGS

NORTH 00°28'28" WEST BEING THE BEARING OF THE WEST LINE OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 4, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP INDEXED ON FILE IN FILE 105, PAGE 06 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

Avoid hitting underground utility lines. It's easy.
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1-800-227-2600
UNDERGROUND SERVICE (USA)

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Call before you UnderGround
1-702-455-7511
CLARK COUNTY TRAFFIC OPERATIONS
OR
1-702-229-6611
LAS VEGAS AREA COORDINATED TRAFFIC SYSTEM

NORTH
SCALE 30 0 30 60 FEET

4/22/09
FOR REV. 1 ONLY

DESIGN: HAN
DRAWN: HAN
CHECKED: MJS
ISSUE DATE:
ISSUE EDITOR:
PLOT DATE: 05-04-06
PLOT TIME: 13:42:47

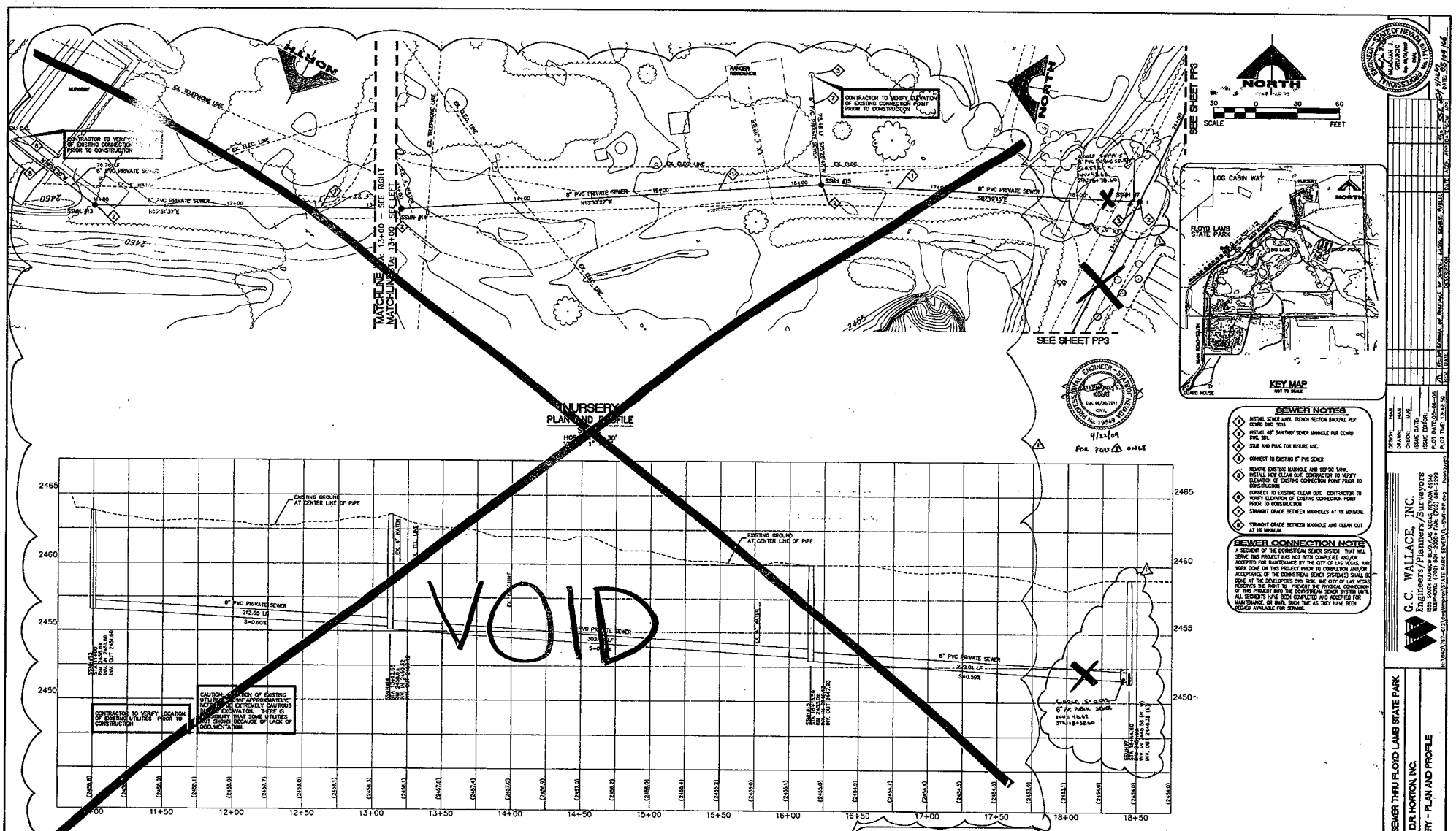
C.C. WALLACE, INC.
Engineers/Planners/Surveyors
5555 S. Eastern Avenue, Las Vegas, Nevada 89119
TELEPHONE: (702) 804-2000 • FAX: (702) 804-2299

LOG CABIN RANCH - SEWER THRU FLOYD LAMB STATE PARK
D.R. HORTON, INC.
BIG LAKE AND GROUP PICNIC - PLAN AND PROFILE

DRAWING
PP5
7 OF 14 SHTS

116868
91745

CLV DWG# 11654
3014 963



SEWER NOTES

1. INSTALL SEWER MAIN. TRENCH SECTION BACKFILL PER CCRRD DWG. 5018
2. INSTALL 48" SANITARY SEWER MANHOLE PER CCRRD DWG. 501.
3. STUB AND PLUG FOR FUTURE USE.
4. CONNECT TO EXISTING 8" PVC SEWER
5. REMOVE EXISTING MANHOLE AND SEPTIC TANK.
6. INSTALL NEW CLEAN OUT. CONTRACTOR TO VERIFY ELEVATION OF EXISTING CONNECTION POINT PRIOR TO CONSTRUCTION
7. CONNECT TO EXISTING CLEAN OUT. CONTRACTOR TO VERIFY ELEVATION OF EXISTING CONNECTION POINT PRIOR TO CONSTRUCTION
8. STRAIGHT GRADE BETWEEN MANHOLES AT 1% MINIMUM.
9. STRAIGHT GRADE BETWEEN MANHOLE AND CLEAN OUT AT 1% MINIMUM.

SEWER CONNECTION NOTE

A SEGMENT OF THE DOWNSTREAM SEWER SYSTEM THAT WILL SERVE THIS PROJECT HAS NOT BEEN COMPLETED AND/OR ACCEPTED FOR MAINTENANCE BY THE CITY OF LAS VEGAS. ANY WORK DONE ON THIS PROJECT PRIOR TO COMPLETION AND/OR ACCEPTANCE OF THE DOWNSTREAM SEWER SYSTEM(S) SHALL BE DONE AT THE DEVELOPER'S OWN RISK. THE CITY OF LAS VEGAS RESERVES THE RIGHT TO PREVENT THE PHYSICAL CONNECTION OF THIS PROJECT INTO THE DOWNSTREAM SEWER SYSTEM UNTIL ALL SEGMENTS HAVE BEEN COMPLETED AND ACCEPTED FOR MAINTENANCE, OR UNTIL SUCH TIME AS THEY HAVE BEEN DEEMED AVAILABLE FOR SERVICE.

ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.19 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSING AND CLEARANCES. ESM.064

NOTICE

G.C. WALLACE, INC. ASSUME NO RESPONSIBILITY FOR EXISTING UTILITY SHOWN OR NOT SHOWN. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM RECORD INFORMATION AND ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND DEPTH OF ALL RELEVANT UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF A CONFLICT OR DISCREPANCY IS DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING IMMEDIATELY.

BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL
CITY OF LAS VEGAS BM #LVS04H4 1/4 CORNER, BLM 1990 D MOCCASIN AND CIMARRON

ELEVATION: 756.8707 METERS (NAVD88)
2483.01 FEET

BASIS OF BEARINGS

NORTH 0026'25" WEST BEING THE BEARING OF THE WEST LINE OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 4, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M. CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN FILE 105, PAGE 09 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

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Call before you UnderGround
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CLARK COUNTY TRAFFIC OPERATIONS
OR
1-702-229-6611
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

PROFESSIONAL ENGINEER - STATE OF NEVADA
No. 19549
9/22/09
FOR REVIEW ONLY

PROFESSIONAL ENGINEER - STATE OF NEVADA
No. 11797
McCALLUM
REGISTERED PROFESSIONAL ENGINEER
CIVIL
9/22/09
FOR REVIEW ONLY

DESIGN:	MAN
DRAWN:	MAN
CHECK:	LAK
ISSUE DATE:	
PLOT DATE:	09-09-09
PLOT TIME:	13:49:59

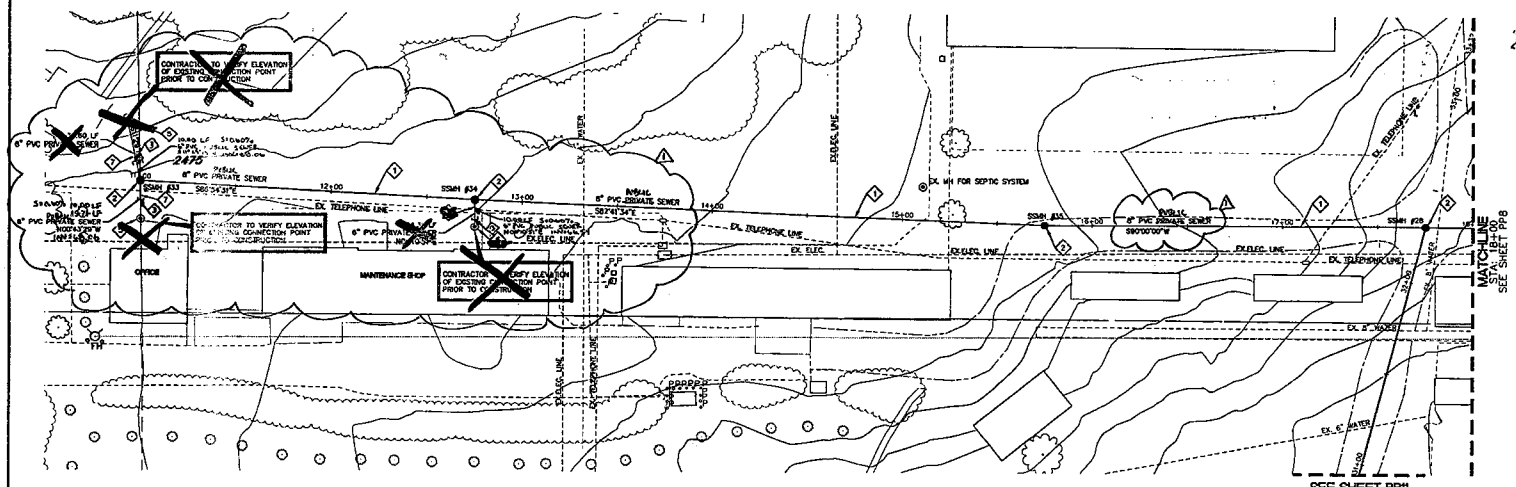
G.C. WALLACE, INC.
Engineers/Planners/Surveyors
1555 SOUTH RANCHO BLVD.,LAS VEGAS, NEVADA 89146
PH. (702) 384-1050 FAX (702) 384-1085 WWW.GCWALLACE.COM
H:\0060\197-01\Dwg\Nursery\STATE PARK SEWER\PD-SEWER-PP.dwg

LOG CABIN RANCH - SEWER THRU FLOYD LAMB STATE PARK
D.R. HORTON, INC.
NURSERY - PLAN AND PROFILE

DRAWING
PP6
8 OF 14 SHTS

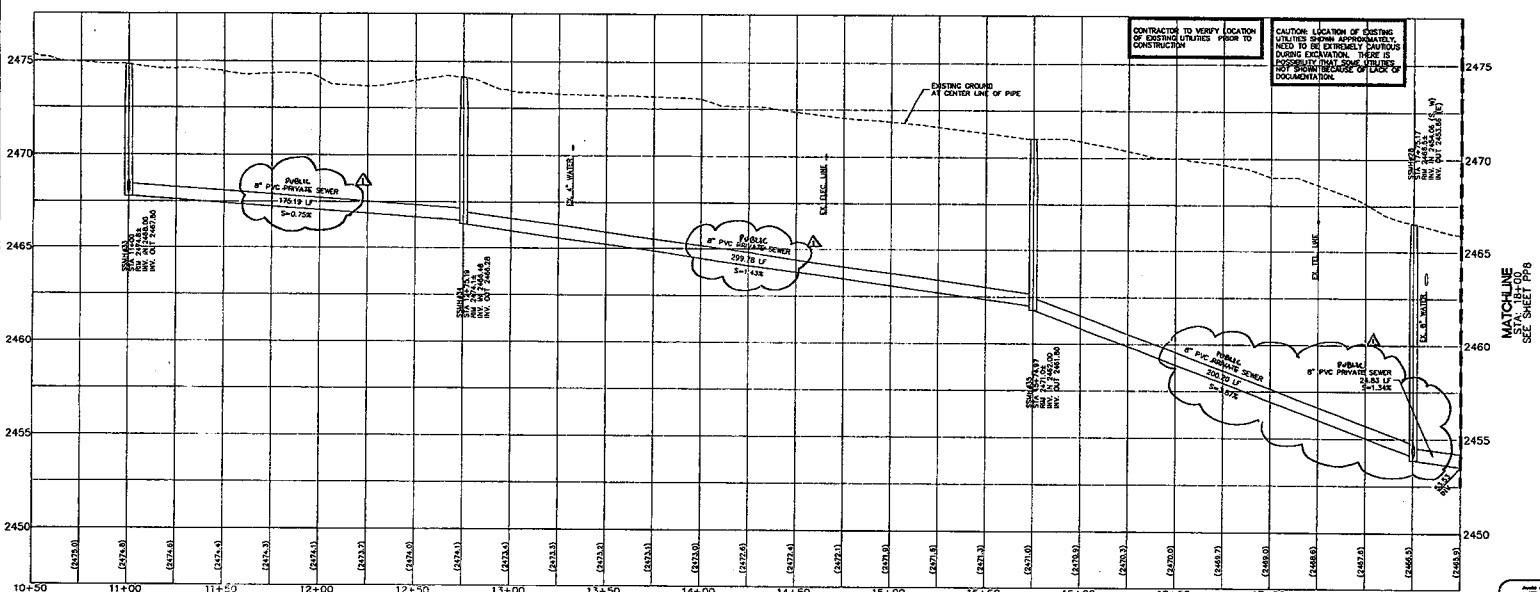
116869
917462

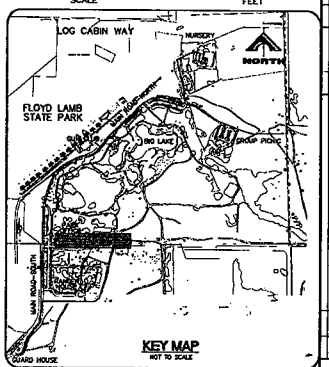
CLV DWG# 11654 3071963



PARK OFFICE
PLAN AND PROFILE

SCALE
HORIZ. 1" = 30'
VERT. 1" = 3'





KEY MAP
NOT TO SCALE

4/22/09
FOR REV 1 ONLY

NORTH
30 0 30 60
SCALE FEET

SEWER NOTES

1. INSTALL SEWER MAIN. TRENCH SECTION BACKFILL PER COWRD ENG. SD18
2. INSTALL 48" SANITARY SEWER MANHOLE PER COWRD ENG. SD1.
3. STUB AND PLUG FOR FUTURE USE.
4. CONNECT TO EXISTING 8" PVC SEWER .
5. REMOVE EXISTING MANHOLE AND SEPTIC TANK. INSTALL NEW CLEAN OUT. CONTRACTOR TO VERIFY ELEVATION OF EXISTING CONNECTION POINT PRIOR TO CONSTRUCTION
6. CONNECT TO EXISTING CLEAN OUT. CONTRACTOR TO VERIFY ELEVATION OF EXISTING CONNECTION POINT PRIOR TO CONSTRUCTION
7. STRAIGHT GRADE BETWEEN MANHOLES AT 1% MINIMUM.
8. STRAIGHT GRADE BETWEEN MANHOLE AND CLEAN OUT AT 1% MINIMUM.

SEWER CONNECTION NOTE

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ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.19 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSING AND CLEARANCES. ESR.064

NOTICE

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BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL
CITY OF LAS VEGAS BM #LVG04H4 1/4 CORNER, BLM 1990 D
MOCCASIN AND CAMARON
ELEVATION 759.8707 METERS (NAVD88)
2493.01 FEET

BASIS OF BEARINGS

NORTH 00°28'28" WEST BEING THE BEARING OF THE WEST LINE OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 4, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M. CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN FILE 103, PAGE 09 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

AVOID HITTING UNDERGROUND UTILITY LINES. IT'S COSTLY
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AVOID HITTING UNDERGROUND TRAFFIC SIGNAL SYSTEMS AND STREET LIGHT SYSTEM CONDUITS
IT'S COSTLY
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Call before you UnderGround
1-702-455-7511
CLARK COUNTY TRAFFIC OPERATIONS
OR
1-702-229-6611
LAS VEGAS AREA COORDINATED TRAFFIC SYSTEM

REV.	DATE	DESCRIPTION	APP'D BY
1	4/22/09	REVISIONS AS REQUIRED BY CLARK COUNTY	

DESIGN: MAN
DRAWN: MAN
CHECK: MJS
ISSUE DATE:
ISSUE EDITOR:
PLOT DATE: 05-04-06
PLOT TIME: 13:43:19

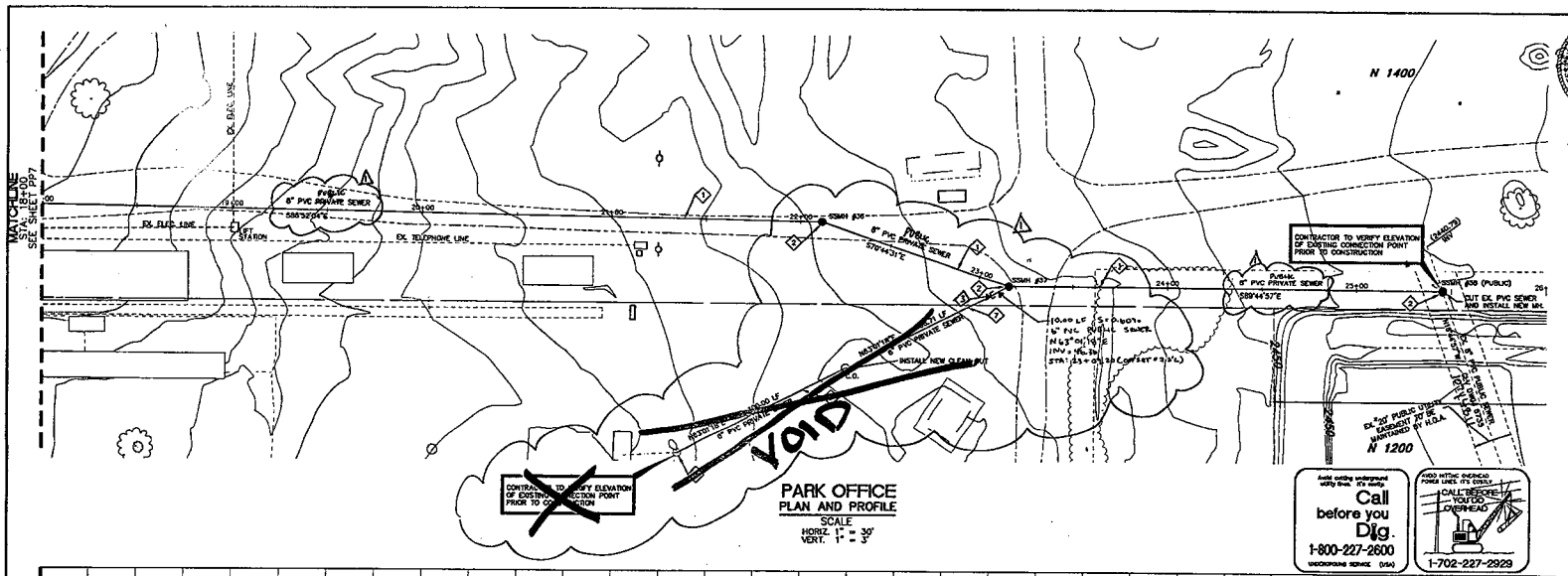
G.C. WALLACE, INC.
Engineers/Planners/Surveyors
1555 SOUTH RAINBOW BLVD. LAS VEGAS, NEVADA 89146
TELEPHONE: (702) 804-2000 • FAX: (702) 804-2299

LOG CABIN RANCH - SEWER THRU FLOYD LAMB STATE PARK
D.R. HORTON, INC.
PARK OFFICE - PLAN AND PROFILE 1 OF 2
STA. 10+50 TO STA. 18+00

DRAWING
PP7
9 OF 14 SHTS

CLV DWG# 11654

116870
9174711



PARK OFFICE
PLAN AND PROFILE
SCALE
HORIZ. 1" = 30'
VERT. 1" = 3'

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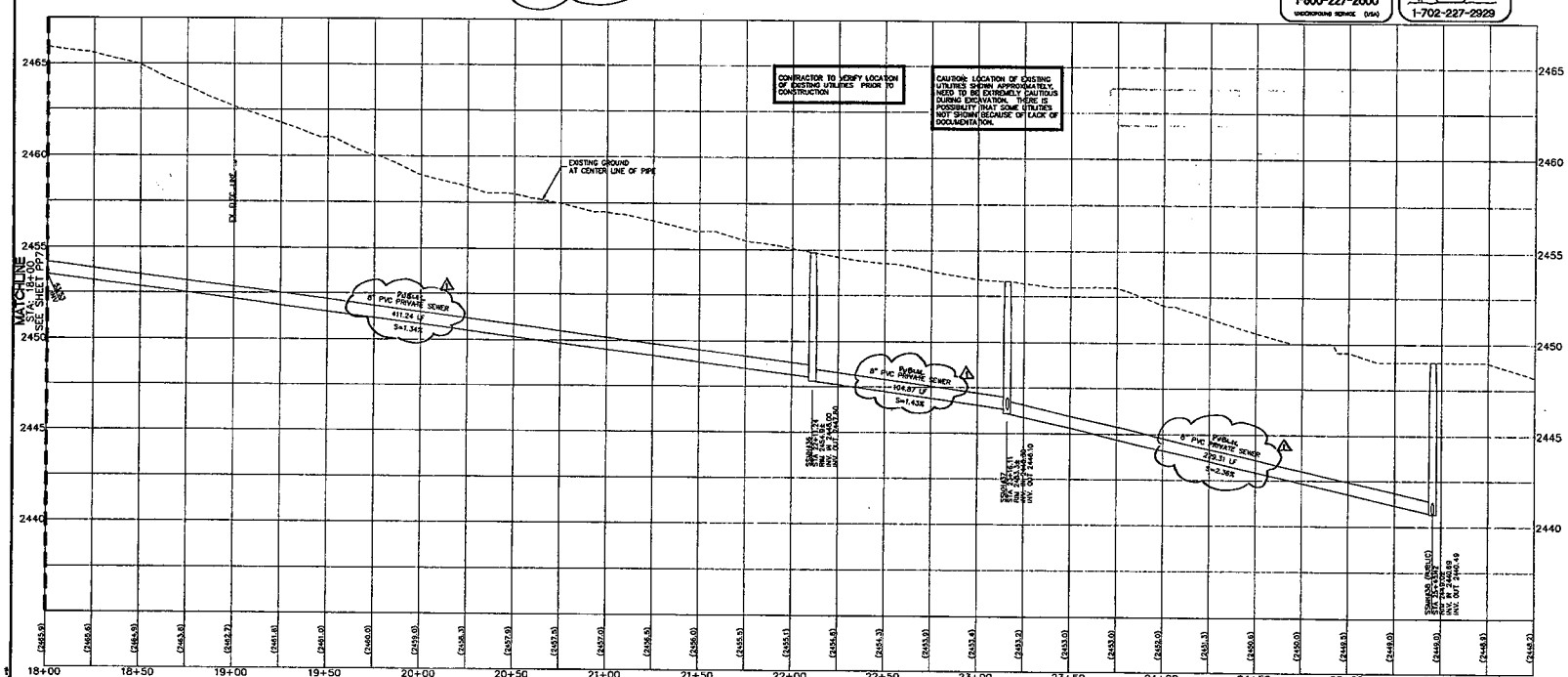
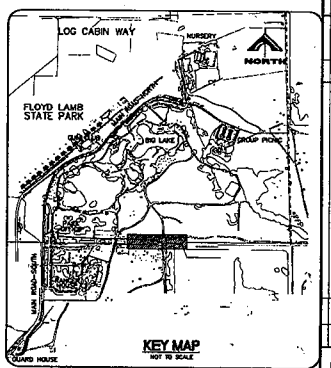
1-800-227-2600
UNDERGROUND SERVICE (USA)

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY
CALL BEFORE YOU DIG OVERHEAD
1-702-227-2929



116871
91748 LL



KEY MAP
NOT TO SCALE

SEWER NOTES

1. INSTALL SEWER MAIN. TRENCH SECTION BACKFILL PER COWD DWG. 5218
2. INSTALL 48" SANITARY SEWER MANHOLE PER COWD DWG. 5111.
3. STUB AND PLUG FOR FUTURE USE.
4. CONNECT TO EXISTING 8" PVC SEWER
5. REMOVE EXISTING MANHOLE AND SEPTIC TANK. INSTALL NEW CLEAN OUT. CONTRACTOR TO VERIFY ELEVATION OF EXISTING CONNECTION POINT PRIOR TO CONSTRUCTION
6. CONNECT TO EXISTING CLEAN OUT. CONTRACTOR TO VERIFY ELEVATION OF EXISTING CONNECTION POINT PRIOR TO CONSTRUCTION
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SEWER CONNECTION NOTE

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NOTICE

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BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL
CITY OF LAS VEGAS BM #LV90404H6 1/4 CORNER, BLM 1990 D MOCCASIN AND CHAMARON
ELEVATION: 758.8707 METERS (NAVD88)
2493.01 FEET

BASIS OF BEARINGS

NORTH 00°28'28" WEST BEING THE BEARING OF THE WEST LINE OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 8, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M. CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN FILE 105, PAGE 08 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

AVOID HITTING UNDERGROUND TRAFFIC SIGNAL SYSTEMS AND STREET LIGHT CONDUITS
IT'S COSTLY
CALL BEFORE YOU DIG
Call before you UnderGround
1-702-455-7511
CLARK COUNTY TRAFFIC SYSTEMS
OR
1-702-229-6611
LAS VEGAS AREA CONSOLIDATED TRAFFIC SYSTEM

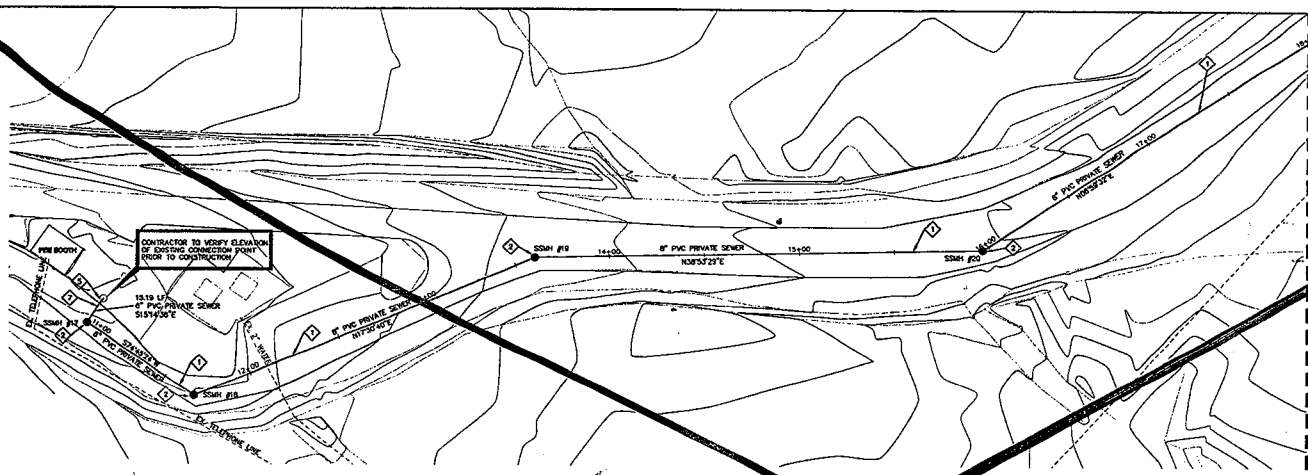
DESIGN: MAN
DRAWN: MAN
CHECK: M.B.
ISSUE DATE:
ISSUE EDITOR:
PLOT DATE: 05-04-06
PLOT TIME: 15:43:20
N:\LAS\VEGAS\STATE PARK SEWER\LV-SEWER.dwg

G.C. WALLACE, INC.
Engineers/Planners/Surveyors
1555 SOUTH RAINBOW BLVD./LAS VEGAS, NEVADA 89146
TELEPHONE: (702) 804-2000 • FAX: (702) 804-2299

LOG CABIN RANCH - SEWER THRU FLOYD LAMB STATE PARK
D.R. HORTON, INC.
PARK OFFICE - PLAN AND PROFILE 2 OF 2
STA. 18+00 TO STA. 26+00

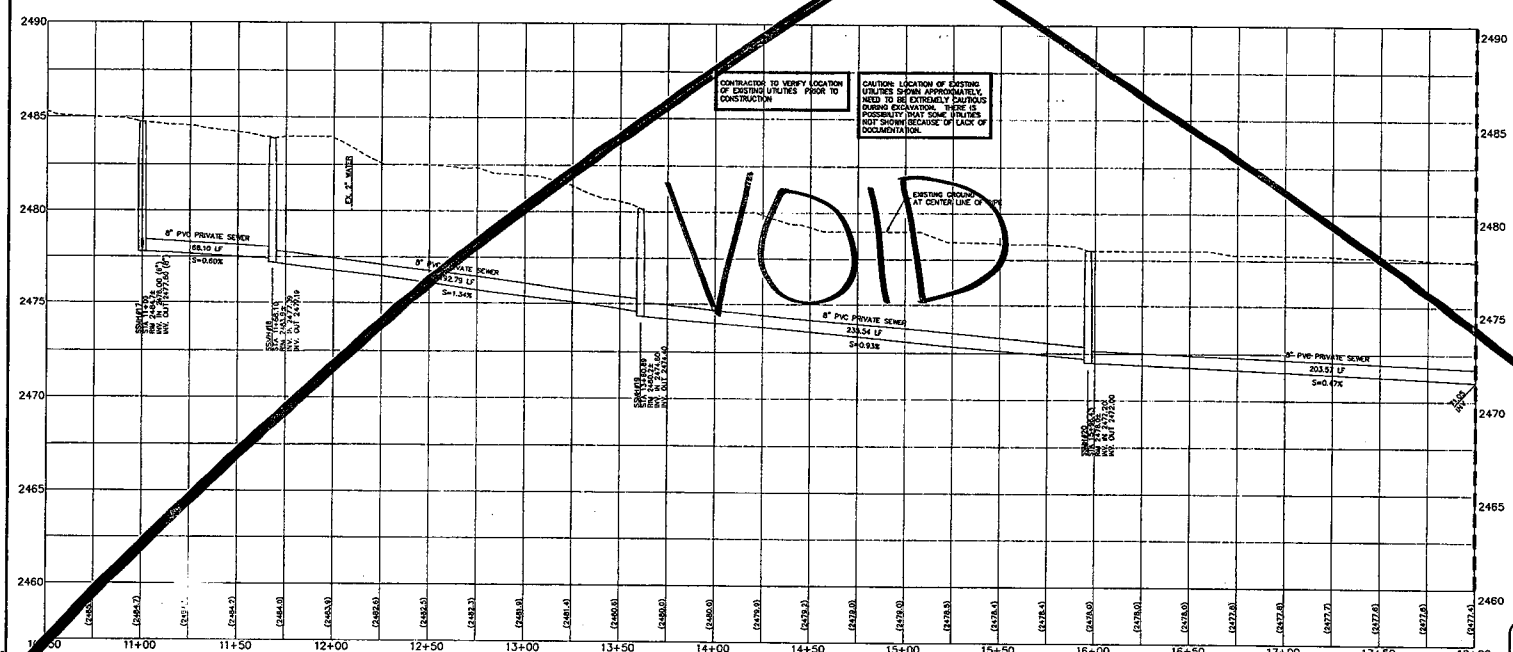
DRAWING
PP8
10 OF 14 SHTS

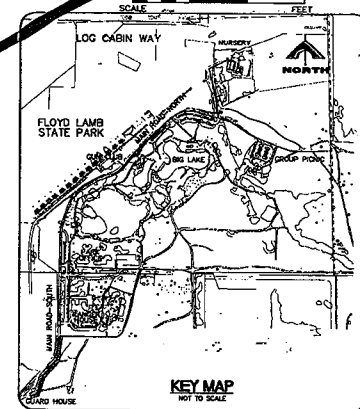
CLV DWG# 16654 3071963



MAIN ROAD-SOUTH
PLAN AND PROFILE

SCALE
HORIZ. 1" = 30'
VERT. 1" = 3'





KEY MAP
NOT TO SCALE

SEWER NOTES

1. INSTALL SEWER MAIN. TRENCH SECTION BACKFILL PER DCRRD SHC. 3016
2. INSTALL 48" SANITARY SEWER MANHOLE PER DCRRD SHC. 5211.
3. STUB AND PLUG FOR FUTURE USE.
4. CONNECT TO EXISTING 8" PVC SEWER
5. REMOVE EXISTING MANHOLE AND SEPTIC TANK. INSTALL NEW CLEAN OUT. CONTRACTOR TO VERIFY ELEVATION OF EXISTING CONNECTION POINT PRIOR TO CONSTRUCTION
6. CONNECT TO EXISTING CLEAN OUT. CONTRACTOR TO VERIFY ELEVATION OF EXISTING CONNECTION POINT PRIOR TO CONSTRUCTION
7. STRAIGHT GRADE BETWEEN MANHOLES AT 1% MINIMUM.
8. STRAIGHT GRADE BETWEEN MANHOLE AND CLEAN OUT AT 1% MINIMUM.

SEWER CONNECTION NOTE

A SEGMENT OF THE DOWNSTREAM SEWER SYSTEM THAT WILL SERVE THIS PROJECT HAS NOT BEEN COMPLETED AND/OR ACCEPTED FOR MAINTENANCE BY THE CITY OF LAS VEGAS. ANY WORK DONE ON THIS PROJECT PRIOR TO COMPLETION AND/OR ACCEPTANCE OF THE DOWNSTREAM SEWER SYSTEM(S) SHALL BE DONE AT THE DEVELOPER'S OWN RISK. THE CITY OF LAS VEGAS RESERVES THE RIGHT TO PREVENT THE PHYSICAL CONNECTION OF THIS PROJECT INTO THE DOWNSTREAM SEWER SYSTEM UNTIL ALL SEGMENTS HAVE BEEN COMPLETED AND ACCEPTED FOR MAINTENANCE, OR UNTIL SUCH TIME AS THEY HAVE BEEN DEEMED AVAILABLE FOR SERVICE.

ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.19 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSING AND CLEARANCES. ESM.064

NOTICE

G.C. WALLACE, INC. ASSUME NO RESPONSIBILITY FOR EXISTING UTILITY SHOWN OR NOT SHOWN. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM RECORD INFORMATION AND ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND DEPTH OF ALL RELEVANT UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF A CONFLICT OR DISCREPANCY IS DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING IMMEDIATELY.

BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL
CITY OF LAS VEGAS BM #LV90464 1/4 CORNER, BLM 1990 D
MOCCASIN AND CIMARRON
ELEVATION: 759.6267 METERS (NAVD88)
2493.01 FEET

BASIS OF BEARINGS

NORTH 00°38'28" WEST BEING THE BEARING OF THE WEST LINE OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 4, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN FILE 105, PAGE 09 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

Avoid cutting underground utility lines. It's costly.
Call before you Dig.
1-800-227-2600
UNDERGROUND SERVICE (USA)

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DIG OVERHEAD
1-702-227-2929

AVOID HITTING UNDERGROUND TRAFFIC SIGNALS AND STREET LIGHT SYSTEM CONDUITS. IT'S COSTLY. CALL BEFORE YOU DIG UNDERGROUND
Call before you Dig Underground
1-702-455-7511
CLARK COUNTY TRAFFIC OPERATIONS
AND
1-702-229-6611
(LAS VEGAS AREA COORDINATED TRAFFIC SYSTEM)

DESIGN: HAM
DRAWN: HAM
CHECK: MJC
ISSUE DATE: 7/22/09
PLOT DATE: 02-04-09
PLOT TIME: 13:43:30

G.C. WALLACE, INC.
Engineers/Planners/Surveyors
1555 SOUTH RAINBOW BLVD./LAS VEGAS, NEVADA 89146
(702) 222-8614 FAX (702) 222-8616 EMAIL: gcw@gcwallace.com
H:\04076-07\Dwgs\Improvs\STATE PARK SEWER\1-SEWER-PP.dwg, Rodriguezvera

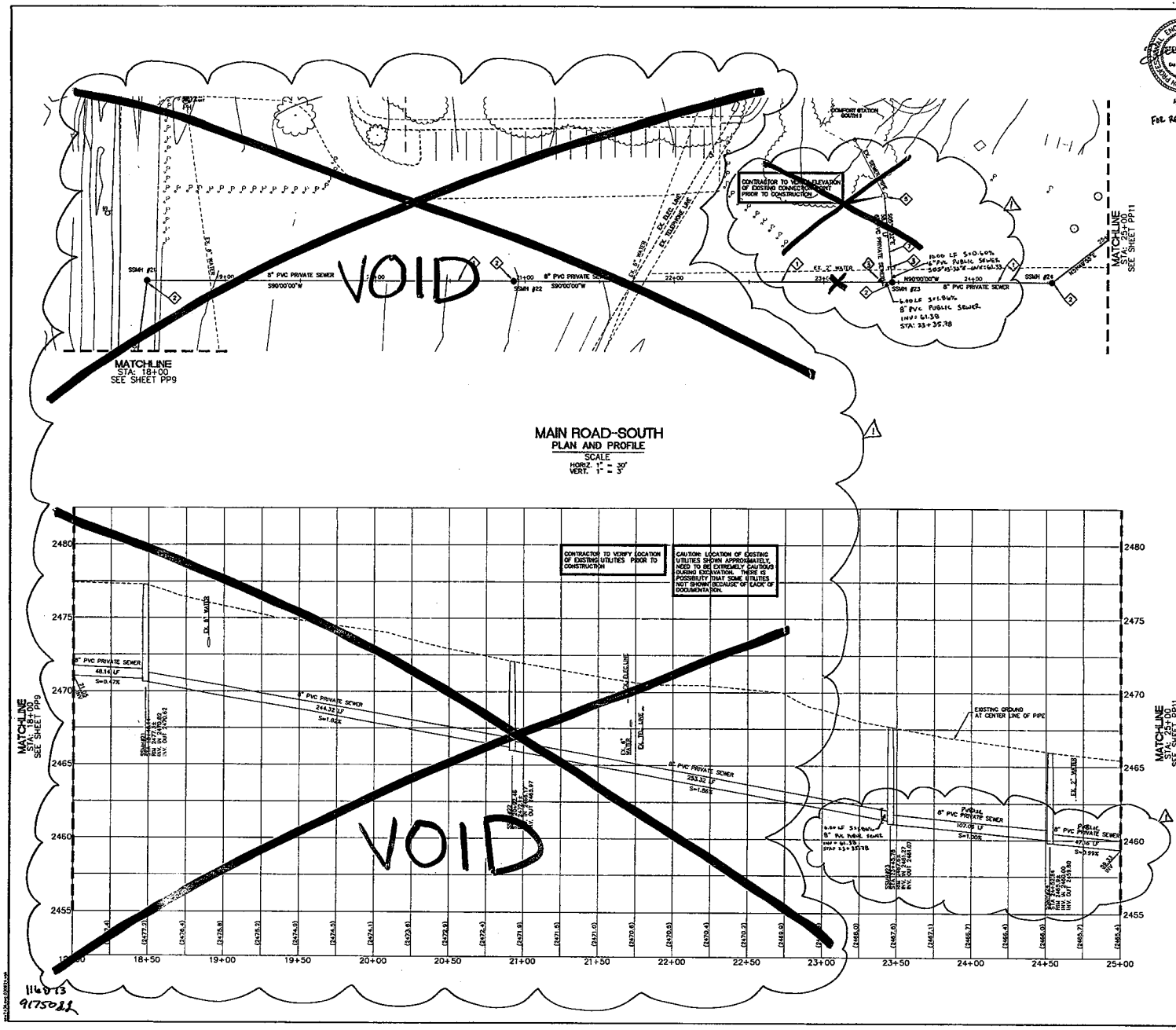
LOG CABIN RANCH - SEWER THRU FLOYD LAMB STATE PARK
DR HORTON, INC.
MAIN ROAD-SOUTH - PLAN AND PROFILE 1 OF 3
STA. 10+50 TO STA. 18+00

DRAWING
PP9
11 OF 14 SHTS

CLV DWGN 11654

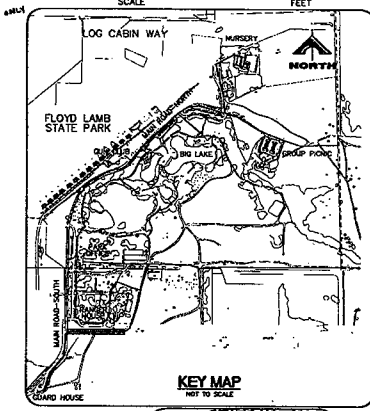
116872
9/24/11

3074 96'3



MAIN ROAD-SOUTH
PLAN AND PROFILE
SCALE
HORIZ. 1" = 30'
VERT. 1" = 3'

1168-13
9175022



KEY MAP
NOT TO SCALE

SEWER NOTES

1. INSTALL SEWER MAIN. TRENCH SECTION BACKFILL PER COWD DWG. 5016
2. INSTALL 48" SANITARY SEWER MANHOLE PER COWD DWG. 5211.
3. STUB AND PLUG FOR FUTURE USE.
4. CONNECT TO EXISTING 8" PVC SEWER
5. REMOVE EXISTING MANHOLE AND SEPTIC TANK. INSTALL NEW CLEAN OUT. CONTRACTOR TO VERIFY ELEVATION OF EXISTING CONNECTION POINT PRIOR TO CONSTRUCTION
6. CONNECT TO EXISTING CLEAN OUT. CONTRACTOR TO VERIFY ELEVATION OF EXISTING CONNECTION POINT PRIOR TO CONSTRUCTION
7. STRAIGHT GRADE BETWEEN MANHOLES AT 1% MINIMUM.
8. STRAIGHT GRADE BETWEEN MANHOLE AND CLEAN OUT AT 1% MINIMUM.

SEWER CONNECTION NOTE

A SEGMENT OF THE DOWNSTREAM SEWER SYSTEM THAT WILL SERVE THIS PROJECT HAS NOT BEEN COMPLETED AND/OR ACCEPTED FOR MAINTENANCE BY THE CITY OF LAS VEGAS. ANY WORK DONE ON THIS PROJECT PRIOR TO COMPLETION AND/OR ACCEPTANCE OF THE DOWNSTREAM SEWER SYSTEM(S) SHALL BE DONE AT THE DEVELOPER'S OWN RISK, THE CITY OF LAS VEGAS RESERVES THE RIGHT TO PREVENT THE PHYSICAL CONNECTION OF THIS PROJECT INTO THE DOWNSTREAM SEWER SYSTEM UNTIL ALL SEGMENTS HAVE BEEN COMPLETED AND ACCEPTED FOR MAINTENANCE, OR UNTIL SUCH TIME AS THEY HAVE BEEN DEEMED AVAILABLE FOR SERVICE.

ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.19 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSING AND CLEARANCES. ESM.064

NOTICE

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BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL
CITY OF LAS VEGAS BM #TLV90414 1/4 CORNER, BLM 1990 D MOCCASIN AND CHAMAGNE

ELEVATION: 758.8707 METERS (NAVD88)
2493.01 FEET

BASIS OF BEARINGS

NORTH 00°28'28" WEST BEING THE BEARING OF THE WEST LINE OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 4, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M. CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN FILE 105, PAGE 09 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

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AVOID HITTING UNDERGROUND TRAFFIC SIGNAL SYSTEMS AND STREET LIGHT SYSTEMS. IT'S EASY!
CALL BEFORE YOU DIG
Call before you UnderGround
1-702-455-7511
CLARK COUNTY TRAFFIC OPERATIONS
OR
1-702-229-6611
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

PROFESSIONAL ENGINEER STATE OF NEVADA
STEPHEN CHI-FAI KONG
Exp. 06/30/2011
CIVIL
No. 19549
11/20/09
FOR REV 1 ONLY

PROFESSIONAL ENGINEER STATE OF NEVADA
WILLIAM J. GRUNZIC
Exp. 06/30/2010
No. 9476
CIVIL

REV.	DATE	DESCRIPTION	APP.
1	11/20/09	PRELIMINARY REVISIONS PER CLARK COUNTY REVIEW COMMENTS	

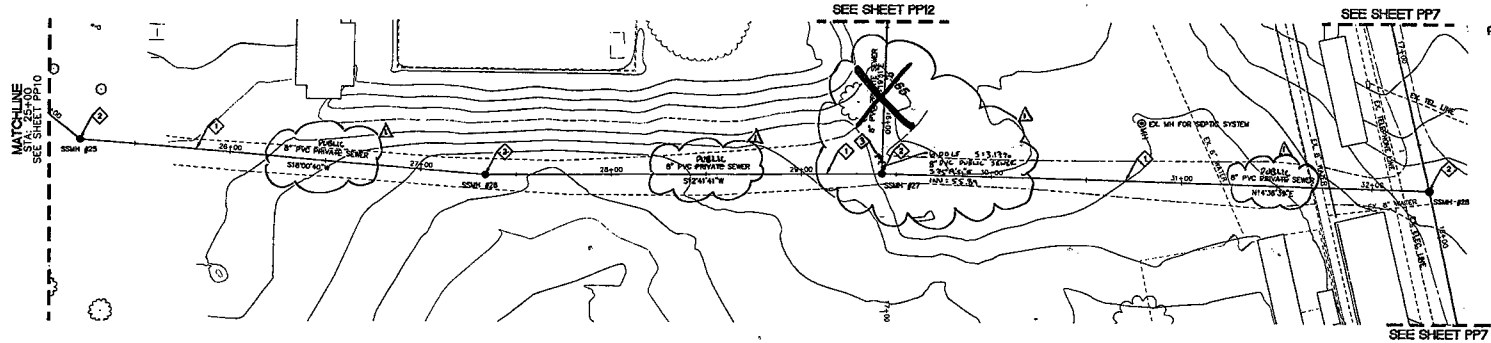
DESIGN: MAN
DRAWN: MAN
CHECK: MJG
ISSUE DATE:
ISSUE EDITION:
PLOT DATE: 12-04-06
PLOT FILE: 1B-3.dwg

G.C. WALLACE, INC.
Engineers/Planners/Surveyors
1555 SOUTH RAINBOW BLVD./LAS VEGAS, NEVADA 89146
TELEPHONE: (702) 804-2000 • FAX: (702) 804-2299
H:\1043\797-0171\dwg\Sewer\Floyd Lamb Sewer\PP-Sewer.dwg, 12/4/2006 9:27:24 AM, Kong

LOG CABIN RANCH - SEWER THRU FLOYD LAMB STATE PARK
D.R. HORTON, INC.
MAIN ROAD-SOUTH - PLAN AND PROFILE 2 OF 3
STA. 18+00 TO STA. 25+00

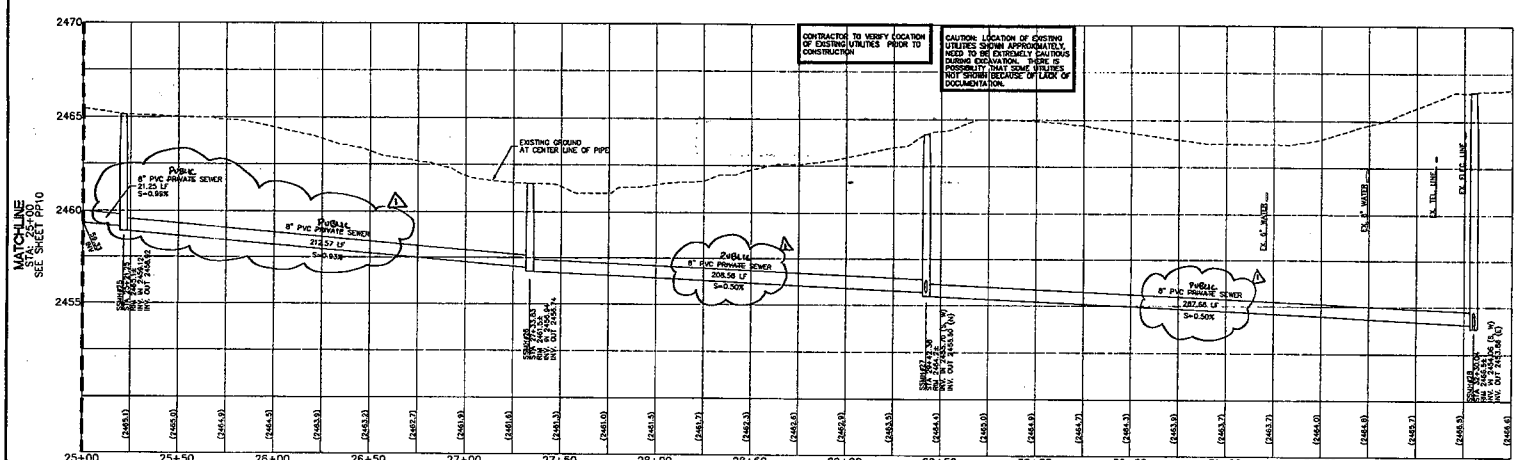
DRAWING
PP10
12 OF 14 SHTS

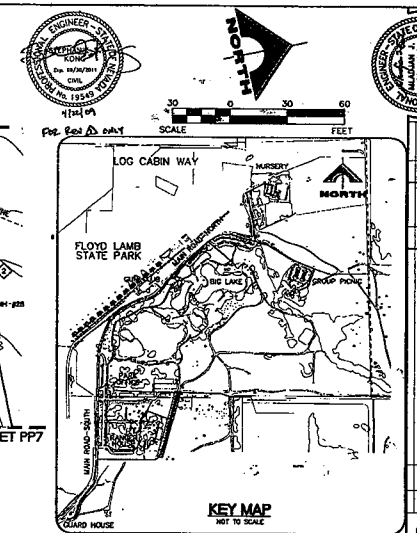
CLV DWG# 11654
3074 963



MAIN ROAD-SOUTH
PLAN AND PROFILE

SCALE
HORIZ. 1" = 30'
VERT. 1" = 3'





KEY MAP
NOT TO SCALE

SEWER NOTES

1. INSTALL SEWER MAIN. TRENCH SECTION BACKFILL PER CCRD DWG. 5218
2. INSTALL 48" SANITARY SEWER MANHOLE PER CCRD DWG. 5211.
3. STUB AND PLUG FOR FUTURE USE.
4. CONNECT TO EXISTING 8" PVC SEWER
5. REMOVE EXISTING MANHOLE AND SEPTIC TANK. INSTALL NEW CLEAN OUT. CONTRACTOR TO VERIFY ELEVATION OF EXISTING CONNECTION POINT PRIOR TO CONSTRUCTION
6. CONNECT TO EXISTING CLEAN OUT. CONTRACTOR TO VERIFY ELEVATION OF EXISTING CONNECTION POINT PRIOR TO CONSTRUCTION
7. STRAIGHT GRADE BETWEEN MANHOLES AT 1% MINIMUM.
8. STRAIGHT GRADE BETWEEN MANHOLE AND CLEAN OUT AT 1% MINIMUM.

SEWER CONNECTION NOTE

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NOTICE

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BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL
CITY OF LAS VEGAS BM #LV904H4 1/4 CORNER, BLM 1990 D
MOCCASIN AND CIMARRON

ELEVATION: 739.8767 METERS (NAVD88)
2463.01 FEET

BASIS OF BEARINGS

NORTH 00°28'28" WEST BEING THE BEARING OF THE WEST LINE OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 4, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN FILE 100, PAGE 08 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.19 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSING AND CLEARANCES. ESM.004

Avoid hitting underground utility lines. It's costly.
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1-702-227-2929

AVOID HITTING UNDERGROUND TRAFFIC SIGNAL SYSTEMS AND STREET LIGHT SYSTEM CONDUITS IT'S COSTLY. CALL BEFORE YOU DO UNDERGROUND
Call before you UnderGround
1-702-455-7511
CLARK COUNTY TRAFFIC OPERATIONS
AND
1-702-229-6611
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

DR. HORTON
SCALE 30 0 30 60 FEET

DESIGN: MAN
DRAWN: MAN
CHECK: MJG
ISSUE DATE:
ISSUE CONTROL:
PLOT DATE: 03-06-06
PLOT TIME: 13:43:49

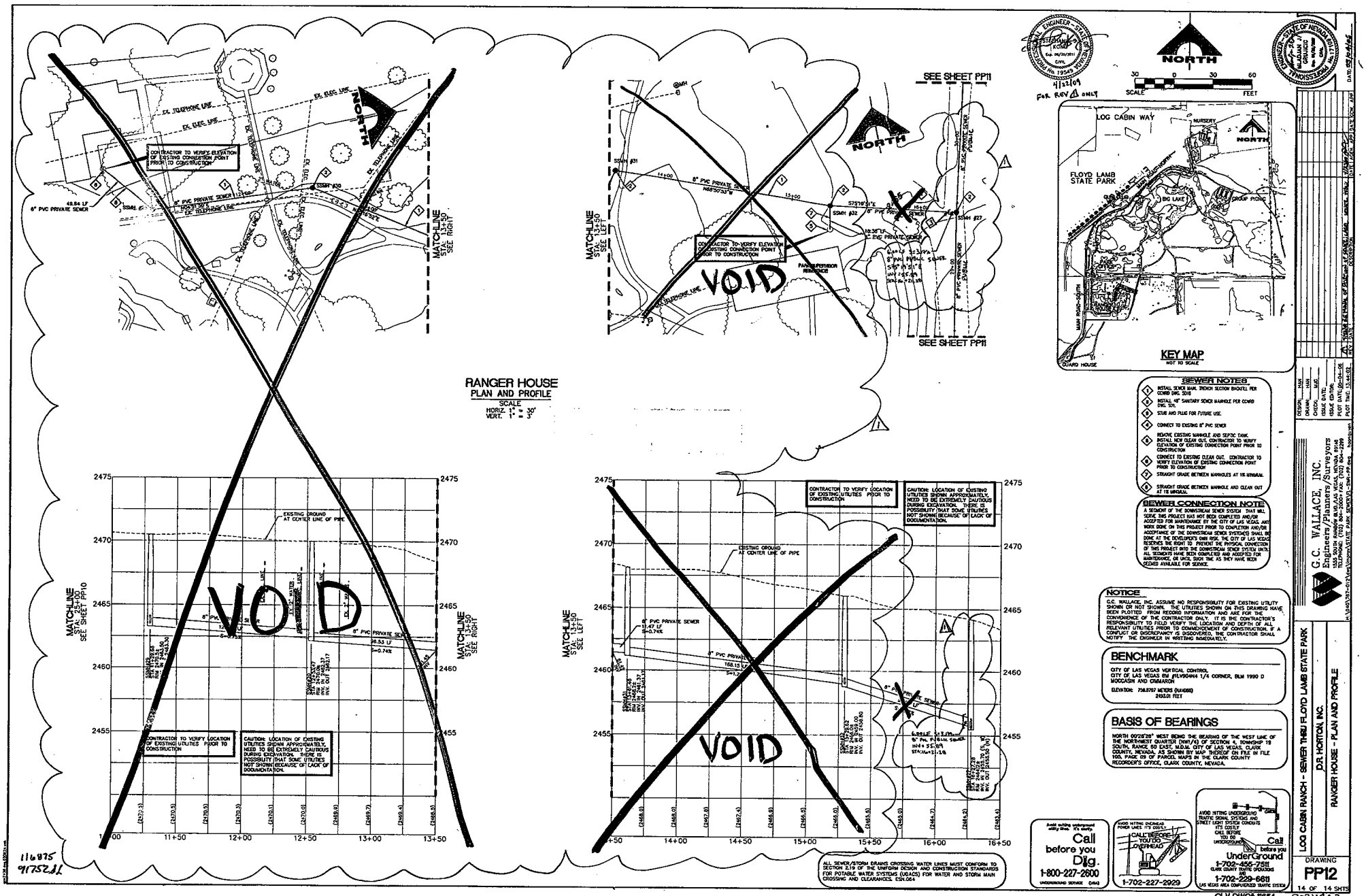
G.C. WALLACE, INC.
Engineers/Planners/Surveyors
1555 SOUTH RAINBOW BLVD.,LAS VEGAS, NEVADA 89146
(702) 804-2100 FAX (702) 804-2101 WWW.GCWALLACE.COM

LOG CABIN RANCH - SEWER THRU FLOYD LAMB STATE PARK
D.R. HORTON, INC.
MAIN ROAD-SOUTH - PLAN AND PROFILE 5 OF 3
STA. 25+00 TO STA. 32+50

DRAWING
PP11
13 OF 14 SHTS

CLV DWG# 11654

116874
9175122


RANGER HOUSE
PLAN AND PROFILE
SCALE
HORIZ. 1" = 30'
VERT. 1" = 3'
VOID
VOID
VOID
VOID
SEE SHEET PP11
SEE SHEET PP11
MATCHLINE STA: 25+00 SEE SHEET PP10
MATCHLINE STA: 13+50 SEE RIGHT
MATCHLINE STA: 13+50 SEE LEFT
CONTRACTOR TO VERIFY ELEVATION OF EXISTING CONNECTION POINT PRIOR TO CONSTRUCTION
CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION
CAUTION: LOCATION OF EXISTING UTILITIES SHOWN APPROXIMATELY, NEED TO BE EXTREMELY CAUTIOUS DURING EXCAVATION. THERE IS POSSIBILITY THAT SOME UTILITIES NOT SHOWN BECAUSE OF LACK OF DOCUMENTATION.
EXISTING GROUND AT CENTER LINE OF PIPE
COSTING GROUND AT CENTER LINE OF PIPE
8" PVC PRIVATE SEWER
ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.19 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSING AND CLEARANCES. ESN.064
NORTH
SCALE
FEET
FOR REV 1 ONLY
LOG CABIN WAY
NURSERY
FLOYD LAMB STATE PARK
BIG LAKE
GROUP PICNIC
MAIN ROAD-SOUTH
GUARD HOUSE
KEY MAP
NOT TO SCALE
SEWER NOTES
INSTALL SEWER MAIN TRENCH SECTION BACKFILL PER CCRRD DWG. 5016
INSTALL 48" SANITARY SEWER MANHOLE PER CCRRD DWG. 501.
STUB AND PLUG FOR FUTURE USE.
CONNECT TO EXISTING 8" PVC SEWER
REMOVE EXISTING MANHOLE AND SEPTIC TANK. INSTALL NEW CLEAN OUT. CONTRACTOR TO VERIFY ELEVATION OF EXISTING CONNECTION POINT PRIOR TO CONSTRUCTION
CONNECT TO EXISTING CLEAN OUT. CONTRACTOR TO VERIFY ELEVATION OF EXISTING CONNECTION POINT PRIOR TO CONSTRUCTION
STRAIGHT GRADE BETWEEN MANHOLES AT 1% MINIMUM.
STRAIGHT GRADE BETWEEN MANHOLE AND CLEAN OUT AT 1% MINIMUM.
SEWER CONNECTION NOTE
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BENCHMARK
CITY OF LAS VEGAS VERTICAL CONTROL
CITY OF LAS VEGAS BM #LV90444 1/4 CORNER, BLM 1990 D MOCCASIN AND CIMARRON
ELEVATION: 758.8767 METERS (NAVD88)
2493.01 FEET
BASIS OF BEARINGS
NORTH 00°28'28" WEST BEING THE BEARING OF THE WEST LINE OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 4, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M. CITY OF LAS VEGAS, CLARK COUNTY, NEVADA. AS SHOWN BY MAP THEREOF ON FILE IN FILE 100, PAGE 09 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.
Call before you Dig. 1-800-227-2600
UNDERGROUND SERVICE (USA)
CALL BEFORE YOU DIG OVERHEAD
1-702-227-2929
Call before you UnderGround 1-702-455-7511 CLARK COUNTY TRAFFIC OPERATIONS AND 1-702-229-6811 LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM
G.C. WALLACE, INC.
Engineers/Planners/Surveyors
1555 SOUTH RAINBOW BLVD./LAS VEGAS, NEVADA 89146
TELEPHONE: (702) 804-2000 • FAX: (702) 804-2299
LOG CABIN RANCH - SEWER THRU FLOYD LAMB STATE PARK
D.R. HORTON, INC.
RANGER HOUSE - PLAN AND PROFILE
DRAWING
PP12
14 OF 14 SHTS
CLV DWG# 11654
301V963
116875
917521

EXHIBIT B

IMPROVEMENT PLANS
FOR
LOG CABIN RANCH
HORSE TRAIL

APN # 125-04-210-003 AND 125-04-301-005

CITY OF LAS VEGAS
STATE OF NEVADA

DR HORTON, INC.

6845 ESCONDIDO STREET
LAS VEGAS, NV. 89119
PH: (702) 435-4888
FAX: (702) 435-4950

APPROVALS

CITY OF LAS VEGAS

CHERI EDELMAN, P.E. #11514, CITY ENGINEER — DATE 4/17/09

"APPROVAL OF THESE PLANS BY THE CITY ENGINEER IS LIMITED TO THOSE IMPROVEMENTS CONSTRUCTED IN THE DEDICATED RIGHTS-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 "DEVIATIONS FROM STANDARDS" THE ENGINEER SHALL RESOLVE ANY DEVIATION OTHER THAN THOSE LISTED IN "DEVIATION FROM STANDARDS" IN FAVOR OF THE SUMMERLIN IMPROVEMENT STANDARDS AND SPECIFICATIONS CLARK COUNTY AREA NEVADA".

N/A
C.L.V. FIRE DEPARTMENT — DATE

DOUG RANKIN, AICP, PLANNING MANAGER — DATE 4-16-09

THIS PLAN MEETS THE APPLICABLE STANDARDS OF THE PLANNING AND DEVELOPMENT DEPARTMENT

N/A
NV ENERGY — DATE

NV ENERGY COMPANY ACKNOWLEDGES THAT WE HAVE RECEIVED YOUR PLANS AND WILL PROVIDE SERVICE TO ALL ELECTRICAL NEEDS ASSOCIATED WITH THIS PROJECT. NEVADA POWER COMPANY RESERVES THE RIGHT TO ADDRESS ANY EXISTING OR FUTURE CONFLICTS ONCE THE FINAL DESIGN IS COMPLETED. THE NEW SERVICE AND THE RESOLUTION OF ANY CONFLICTS WILL BE ACCOMPLISHED PURSUANT TO THE NEVADA PUBLIC UTILITY COMMISSION'S RULES AND REGULATIONS.

N/A
EMBARQ — DATE

"THE ATTACHED EMBARQ NEVADA APPROVAL DOES NOT ASSUME OR GUARANTEE LIABILITY FOR KNOWN OR UNKNOWN CONFLICTS WITH EXISTING OR PROPOSED IMPROVEMENTS. RESOLUTION OF ANY CONFLICT WILL BE ACCOMPLISHED PURSUANT TO LOCAL ORDINANCES, NEVADA REVISED STATUTES AND/OR PUBLIC UTILITY COMMISSION RULES AND REGULATIONS"

N/A
SOUTHWEST GAS CORP. — DATE

N/A
COX COMMUNICATIONS LAS VEGAS, INC. — DATE

INDEX OF DRAWINGS

NO.	SHEET	TITLE AND DESCRIPTION
1	C1	COVER SHEET
2	C2	GENERAL NOTES
3	P1	HORSE TRAIL – PLAN I STA 10+00 TO STA 30+50
4	P2	HORSE TRAIL – PLAN II STA 30+50 TO STA 51+50
5	P3	HORSE TRAIL – PLAN III STA 51+50 TO STA 63+50
6	P4	HORSE TRAIL – PLAN IV STA 63+50 TO STA 76+50
7	P5	HORSE TRAIL – PLAN V STA 76+50 TO STA 89+50

BENCHMARK
CITY OF LAS VEGAS VERTICAL CONTROL
CITY OF LAS VEGAS BM #LV06020
SHEET 6, PLATE 18 CONC. CYL NW COR
LOG CABIN & HOMESTEAD
ELEVATION: 2,194.93 FEET

BASIS OF BEARINGS
NORTH 00°29'46" WEST BEING THE BEARING OF THE WEST LINE OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 4, TOWNSHIP 19 SOUTH, RANGE 60 EAST, MDB&M, CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN FILE 125, PAGE 99 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

1166B4

G. C. WALLACE COMPANIES
ENGINEERS | PLANNERS | SURVEYORS
6655 S. CIMARRON ROAD · LAS VEGAS, NV 89113
T: 702.804.2000 · F: 702.804.2299 · GCWALLACE.COM

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DIG OVERHEAD 1-702-227-2929

Avoid cutting underground utility lines. It's costly. Call before you Dig. 1-800-227-2600 UNDERGROUND SERVICE (USA)

AVOID HITTING UNDERGROUND TRAFFIC SIGNAL SYSTEMS AND STREET LIGHT SYSTEM CONDUITS. IT'S COSTLY. CALL BEFORE YOU DO UNDERGROUND. Call before you Underground 1-702-455-7511 CLARK COUNTY TRAFFIC OPERATIONS OR 1-702-229-6611 LAS VEGAS AREA COORDINATED TRAFFIC SYSTEM

CLV DRAWING # 676-5 HB 19750

DATE: 4/9/09

REV.	DATE	DESCRIPTION	DATE APPR.	BY	DATE APPR.	BY

DESIGN: MJG
DRAWN: JMM
CHECK: MJG
ISSUE DATE:
ISSUE EDITOR:
PLOT DATE: 04-09
PLOT TIME: 09:33:13

G.C. WALLACE COMPANIES
ENGINEERS | PLANNERS | SURVEYORS
6655 S. CIMARRON ROAD LAS VEGAS, NV 89113
T:702.804.2000 · F:702.804.2299 · GCWALLACE.COM

LOG CABIN RANCH - HORSE TRAIL
D.R. HORTON, INC.
COVER SHEET

SHEET C1
1 OF 7 SHTS

Submitted after City Council
Date 5-12-09 Item 36

CITY OF LAS VEGAS TRAFFIC NOTES

1. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "NEVADA WORK ZONE TRAFFIC CONTROL HANDBOOK" LATEST EDITION, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" LATEST EDITION.
2. THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE PLANNING DEPARTMENT PRIOR TO CONSTRUCTION.
3. BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCED WARNING SIGNS FOR THE CONSTRUCTION ZONES. THE CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING CITY STREETS WHERE WARRANTED IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.
4. WHEN A DESIGNATED "SAFE ROUTE TO SCHOOL" IS ENCROACHED UPON BY A CONSTRUCTION WORK ZONE AND PUBLIC WORKS STAFF IDENTIFIES A NEED FOR STUDENTS TO BE ASSISTED IN THE SAFE CROSSING THROUGH THAT WORK ZONE, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A QUALIFIED "CROSSING GUARD". THE GUARD SHALL BE PRESENT FOR THE FULL DURATION OF TIME THAT CHILDREN ARE LIKELY TO BE PRESENT.
5. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY DESTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PERMANENT SIGNS SHOWN ON THE PLANS. STREET NAMES SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CURRENT CITY STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT CITY STANDARDS.
7. WHEN A PROPOSED STREET LIGHT STANDARD IS LOCATED WITHIN FIVE (5') FEET OF ANY PROPOSED SIGN SHOWN ON THE PLANS TO BE MOUNTED ON A SIGNPOST, THE SIGN SHALL BE MOUNTED ON THE STREET LIGHT STANDARD AND THE SIGNPOST SHALL BE ELIMINATED.
8. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HEREUNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.
9. STREET SIGNS AND STOP SIGNS SHALL BE INSTALLED PER CITY STANDARD SPECIFICATIONS FOR PLACEMENT OF STREET NAME SIGNS.
10. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL DEVICES AND FLAGGERS TO ENSURE THE SAFETY OF THE PUBLIC IN OR AROUND THE WORK AREA. THE CONTRACTOR SHALL HAVE A CERTIFIED ATSSA TRAFFIC CONTROL TECHNICIAN OR IMSA WORK ZONE SAFETY SPECIALIST SET-UP, MAINTAIN AND/OR REMOVE ALL TRAFFIC CONTROL DEVICES IN THE CITY OF LAS VEGAS RIGHTS OF WAY.
11. WORK IN THE PUBLIC STREETS, ONCE BEGUN, SHALL BE EXPEDITED TO COMPLETION SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO TO THE TRAVELING PUBLIC.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING CITIZENS AREA TRANSIT (C.A.T.) IF THE CONSTRUCTION INTERRUPTS OR RELOCATES A BUS STOP OR HAS AN ADVERSE EFFECT ON BUS SERVICE ON THAT STREET TO ARRANGE FOR TEMPORARY RELOCATION OF STOP.
13. GUARDS SHALL BE OBTAINED BY CONTACTING THE METROPOLITAN POLICE DEPARTMENT SPECIAL EVENTS UNIT (PHONE NO: 229-3442) WHO WILL PROVIDE OFFICERS PROPERLY TRAINED IN TRAFFIC CONTROL. FEES FOR THE USE OF THESE OFFICERS SHALL BE SET UP BY METRO AND WILL BE PAID BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR ALL ARRANGEMENTS WITH METRO.
14. ANY WORK WITHIN 300' OF A SIGNALIZED INTERSECTION WILL BE NIGHT WORK, UNLESS DIRECTED BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER.
15. CONTRACTOR SHALL CONTACT THE TRAFFIC ENGINEERING DIVISION (TRANSPORTATION SECTION) THROUGH THE PROJECT'S OFFSITE INSPECTOR PRIOR TO INITIATING PAVING TO RECEIVE DIRECTION FOR ANY PERMANENT OR TEMPORARY MODIFICATIONS TO THE APPROVED DRAWINGS REGARDING FINAL PAVEMENT TRANSITIONS, MARKINGS, AND SIGNING THAT ARE REQUIRED TO MATCH ADJACENT ROADWAY SEGMENTS. THE CONTRACTOR SHALL PROVIDE A DRAWING FOR APPROVAL BY THE TRAFFIC ENGINEERING DIVISION DEPICTING ANY ADJUSTMENTS TO THE FINAL PAVEMENT MARKINGS AND SIGNAGE, WHICH MAY INCLUDE OMITTING, ADDING OR MODIFYING PAVEMENT MARKINGS AND TRAFFIC CONTROL SIGNS SUCH THAT ADEQUATE TRANSITIONS AND LANE TERMINATIONS BETWEEN ADJACENT ROADWAY SEGMENTS ARE CONSTRUCTED.

116685

CITY OF LAS VEGAS GENERAL NOTES

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 STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST REVISED EDITION; THE "SUMMERLIN IMPROVEMENT STANDARDS" FOR WORK IN THE SUMMERLIN AREA; AND OTHER 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 "DEVIATIONS FROM STANDARDS".
2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES AS SHOWN FROM CLV PLANS LIBRARY ARE APPROXIMATE AND FOR RECORD PURPOSES. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCE'S, WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COST AND LIABILITY IN CONNECTION THEREWITH.
3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER AND OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
4. ALL CONSTRUCTION SHALL BE SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
5. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS. MIX DESIGNS TO BE APPROVED BY THE CITY, PRIOR TO THE USE ON THE PROJECT.
6. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED-TYPE CURB.
8. AC PAVEMENT TO BE ONE-HALF INCH (1/2") ABOVE LIP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS AND CROSS GUTTERS.
9. CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY OF LAS VEGAS SHALL BE REMOVED AND REPLACED PER STANDARD DRAWING 218.
10. SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.
11. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF TRANSITIONS TO BE AS SHOWN ON PLANS.
12. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY THE SOILS ENGINEER APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.
13. EXACT LOCATION OF ALL SAWCUT LINES MAY BE ADJUSTED OR DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS ENGINEER IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATIONS.
14. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.R.S. STATUTE NO. 625.550.
15. UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC., SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOW LINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.

WALL NOTES:

16. ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSE OF REVIEWING GRADING RELATIONSHIPS; FLOOD CONTROL AND SIGHT DISTANCE AT INTERSECTIONS. NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE BUILDING DEPARTMENT.
17. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHT OF WAY.
18. CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING INLETS, VALVE BOXES, MANHOLE RIMS, AND SEWER CLEAN OUTS, ETC. TO FINISH GRADE AS APPLICABLE WHETHER OR NOT THEY ARE SHOWN ON THE PLANS.
19. MATERIALS, HANDLING AND PLACEMENT OF PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF NDOT OR THE CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.

CITY OF LAS VEGAS GRADING NOTES

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 FOR DIRECTION.
2. IT SHALL BE THE 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.
3. CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ALL EXCAVATION. ADEQUATE SHORING SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR TO PREVENT UNDERMINING OF ANY ADJACENT FEATURES OR FACILITIES AND/OR CAVING OF THE EXCAVATION.
4. THE CONTRACTOR IS WARNED THAT AN EARTHWORK BALANCE WAS NOT NECESSARILY THE INTENT OF THIS PROJECT. ANY ADDITIONAL MATERIAL REQUIRED OR LEFTOVER MATERIAL FOLLOWING EARTHWORK OPERATIONS BECOMES THE RESPONSIBILITY OF THE CONTRACTOR.
5. THE GRADING CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE OWNER TO PROVIDE FOR THE REQUIREMENTS OF THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ASSOCIATED PERMIT.
6. CONTRACTOR SHALL GRADE TO THE LINES AND ELEVATIONS SHOWN ON THE PLANS WITHIN THE FOLLOWING HORIZONTAL AND VERTICAL TOLERANCES AND DEGREES OF COMPACTION, IN THE AREAS INDICATED:

	HORIZONTAL	VERTICAL	COMPACTION
A. PAVEMENT AREA SUBGRADE	0.1'+	+0.0' TO -0.1'	SEE SOILS REPORT
B. ENGINEERED FILL	0.5'+	+0.1' TO -0.1'	SEE SOILS REPORT

COMPACTION TESTING WILL BE PERFORMED BY THE OWNER OR HIS REPRESENTATIVE AND COPIES OF TEST RESULTS WILL BE PROVIDED TO THE CITY.

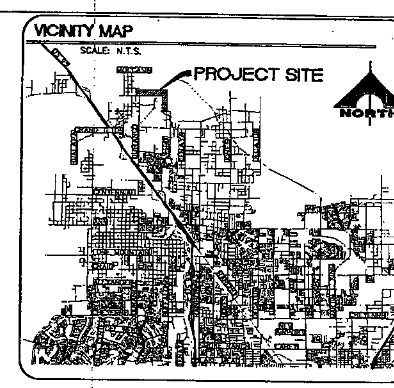
7. ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
8. THE USE OF POTABLE WATER WITHOUT A SPECIAL PERMIT FOR BUILDING OR CONSTRUCTION PURPOSES INCLUDING CONSOLIDATION OF BACKFILL OR DUST CONTROL IS PROHIBITED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION WATER.
9. THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC, SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.
10. IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN ON THESE DRAWINGS, THE OWNER AGREES TO PROVIDE AND INSTALL SUCH ITEM AT HIS OWN EXPENSE AT THE DIRECTION OF THE CITY ENGINEER. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.

CITY OF LAS VEGAS SEWER NOTES

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 THE ABOVE SPECIFICATIONS.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS. ANY ADDITIONS, DELETIONS, OR CHANGES SHALL FIRST MEET WITH THE APPROVAL OF THE CITY ENGINEER.
3. CHISEL "S" OR "G" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
4. POLYVINYL (PVC) SEWER PIPE SHALL MEET ASTM D-3034 SDR 35 SPECIFICATIONS, INSTALLED WITH SAND BEDDING AND BACKFILL OF TYPE II AGGREGATE BASE.
5. ALL MANHOLES PAVED IN STREETS EIGHTY (80') FOOT R/W AND LARGER SHALL HAVE CONCRETE COLLARS. STREETS LESS THAN EIGHTY (80') FOOT R/W WILL REQUIRE RETROFIT IF PAVING DOES NOT CONFORM TO CITY STANDARDS AT THE MANHOLE.
6. TEE SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAIN LINES UP TO TWELVE INCH (12") DIAMETER. CONNECTIONS TO FIFTEEN INCH (15") OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES. IN LINE "Y" 'S SHALL BE USED ON LINES TWELVE INCHES (12") OR ABOVE.
7. WATER MAINS SHALL BE PROTECTED IN ACCORDANCE WITH LVVWD STANDARDS WHENEVER A SEWER MAIN CROSSES OVER A WATER MAIN OR THE SEWER IS LESS THAN EIGHTEEN INCH (18") UNDER A WATER MAIN.
8. ALL CONTRACTORS INSTALLING SEWER MAINS THAT WILL BE UNDER THE JURISDICTION OF THE CITY OF LAS VEGAS MUST BE STATE OF NEVADA CLASS "A" CONTRACTORS.
9. THE CITY OF LAS VEGAS WILL NOT ACCEPT ANY SEWER MAINS WHICH HAVE A VERTICAL DEFLECTION OF MORE THAN ONE TENTH (0.1) OF A FOOT FROM THE APPROVED CONSTRUCTION PLANS AT ANY LOCATION. SEWER MAINS FOUND TO EXCEED THIS TOLERANCE WILL HAVE TO BE REPAIRED OR REMOVED OR REPLACED TO THE SATISFACTION OF THE CITY ENGINEER PRIOR TO ACCEPTANCE BY THE CITY OF LAS VEGAS.
10. INSTALLATION OF CURVED SEWER REQUIRES THE USE OF C-900 PVC PIPE WHICH ALLOWS FOR PIPE DEFLECTION AT THE JOINTS.

VICINITY MAP

SCALE: N.T.S.



LEGEND

- PROPERTY LINE
- RIGHT OF WAY
- CENTERLINE
- SAWCUT LINE
- 2:1 SCARP OR FLATTER
- DITCH OR SWALE (WITH DIRECTION OF FLOW)
- PROPOSED ELEVATION
- EXISTING ELEVATION
- FUTURE DESIGN ELEVATION
- DETAIL LOCATOR
- PROPOSED FIRE HYDRANT
- GATE VALVE
- EXISTING FENCE
- PROPOSED STREET SIGN
- EXISTING CONTOUR (5' INTERVAL)
- EXISTING CONTOUR (1' INTERVAL)
- EXISTING FIRE HYDRANT
- EXIST. WATER — EXISTING WATER LINE
- EXIST. SEWER — EXISTING SEWER LINE
- EXISTING SEWER MANHOLE
- EXIST. STORM DRAIN — EXISTING STORM DRAIN LINE

ABBREVIATIONS

- SG = SUB-GRADE
- W = WATER
- SS = SEWER
- SD = STORM DRAIN
- SL = STREET LIGHTING
- SIG = TRAFFIC SIGNAL
- SSMH = SEWER MANHOLE
- SDMH = STORM DRAIN MANHOLE
- CLV = CITY OF LAS VEGAS
- LVVWD = LAS VEGAS VALLEY WATER DISTRICT
- TC = TOP OF CURB
- FL = FLOW LINE
- FG = FINISH GRADE
- TG = TOP OF GRATE
- FS = FINISH SURFACE
- DG = DESIGN GRADE
- GB = GRADE BREAK
- EX = EXISTING
- BCR = BACK OF CURB RETURN
- S = SLOPE
- BLDG = BUILDING
- LF = LINEAR FEET
- USDCCA = UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS
- UDS = UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS

BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL
CITY OF LAS VEGAS BM #TLRO05B
RIVET & PLATE IN CONC. CYL. NW COR
LOG CABIN & HOMESTEAD

ELEVATION: 781.7889 METERS (NAVD88)
2564.82 FEET

BASIS OF BEARINGS

NORTH 00°26'28" WEST BEING THE BEARING OF THE WEST LINE OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 4, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN FILE 100, PAGE 69 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

QUANTITIES

DESCRIPTION	UNIT	PUBLIC
COMPACTED D.G. TRAIL	CY	565
SDMH ADJUSTMENT	EA	4
SSMH ADJUSTMENT	EA	10

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
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Avoid cutting underground utility lines. It's costly.
Call before you Dig.
1-800-227-2600
UNDERGROUND SERVICE (USA)

AVOID HITTING UNDERGROUND TRAFFIC SIGNAL SYSTEMS AND STREET LIGHT SYSTEM CONDUITS
IT'S COSTLY
CALL BEFORE YOU DO UNDERGROUND
Call before you UnderGround
1-702-455-7511
CLARK COUNTY TRAFFIC OPERATIONS
AND
1-702-229-6611
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

DEVIATION FROM STANDARDS

1. NONE

CLV DRAWING # 676-15 HB 18759

G.C. WALLACE COMPANIES
ENGINEERS | PLANNERS | SURVEYORS
6655 S. CIMARRON ROAD · LAS VEGAS NV 89113
T:702.804.2000 · F:702.804.2299 · GCWALLACE.COM

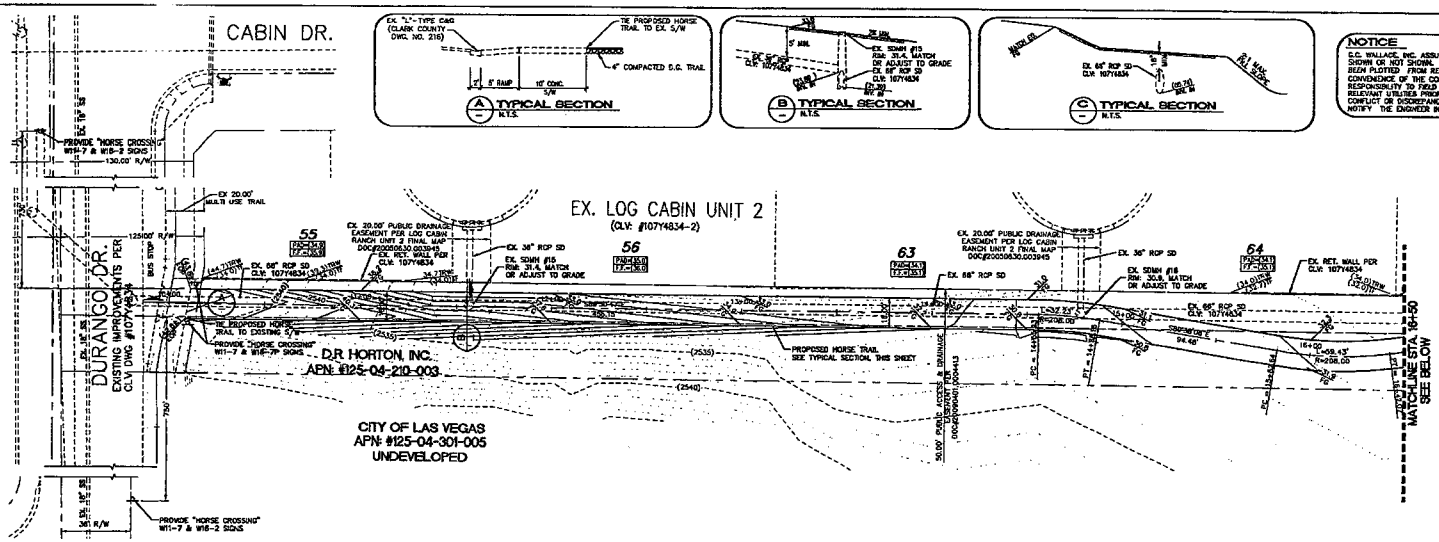
LOG CABIN RANCH - HORSE TRAIL
D.R. HORTON, INC.
GENERAL NOTES

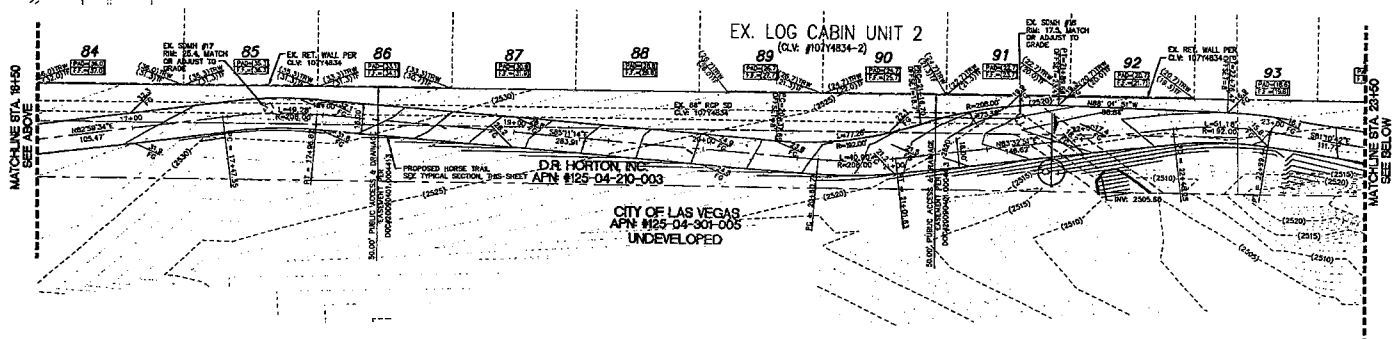
SHEET C2
2 OF 7 SHTS

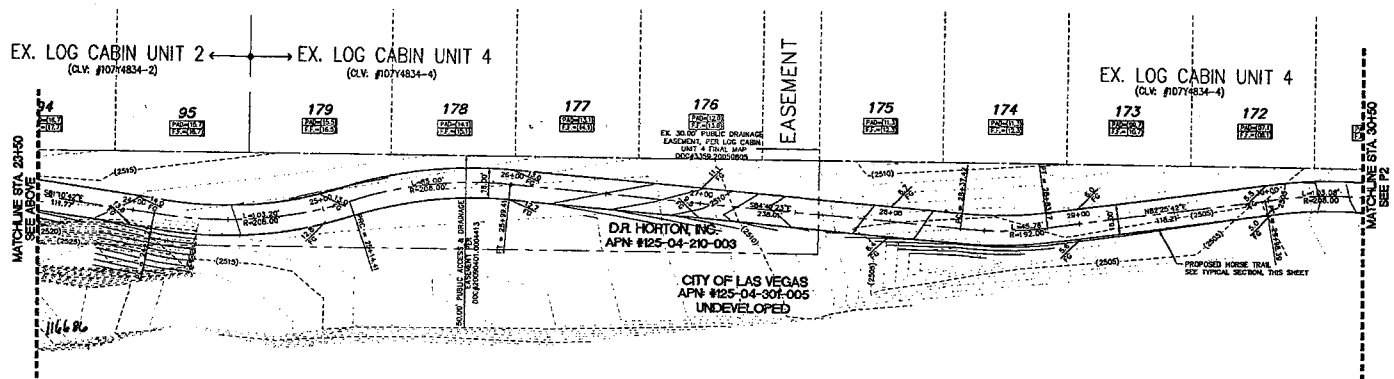
DESIGN: DRAWN: CHECK: ISSUE DATE: ISSUE EDITOR: PLOT DATE: 04-08-08 PLOT TIME: 07:49:53

REV	DATE	DESCRIPTION	DATE	AGEN. APP	DATE	CCA APP

DATE: 4/9/04







NOTICE

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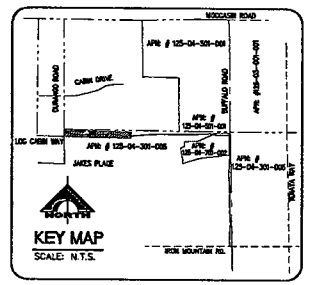
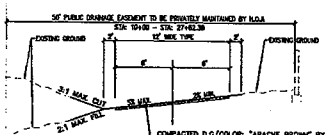
NORTH

SCALE 30 0 30 60 FEET



FLOOD ZONE NOTE

THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) CONTAINING COMMUNITY PANEL NUMBER 3200035 1734 E, DATED SEPTEMBER 27, 2002. THE FIRM MAP SHOWS THAT THE PROJECT IS LOCATED WITHIN ZONE X.



CUT/FILL SLOPES

FLOYD LAMB STATE PARK
HORSE TRAIL (NOT TO SCALE)
TYPICAL SECTION (THIS SHEET ONLY)

BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL
CITY OF LAS VEGAS BM #FLWHOSER
BRASS CAP IN PLACE IN CONC. CYL. NW COR LOG CABIN & HONESTEAD
ELEVATION: 739.7969 METERS (SANDING) 2564.63 FEET

BASIS OF BEARINGS

NORTH 00°28'29" WEST BEING THE BEARING OF THE WEST LINE OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 4, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M. CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN FILE 106, PAGE 08 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

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AVOID HITTING UNDERGROUND TRAFFIC SIGNAL SYSTEMS AND STREET LIGHT SYSTEM CONDUITS IT'S COSTLY
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CLARK COUNTY TRAFFIC OPERATIONS
OR
1-702-229-6611
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

CLV DRAWING # 676-15
HB 190750

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LOG CABIN RANCH - HORSE TRAIL
D.R. HORTON, INC.
HORSE TRAIL - PLAN 1
STA 10+00 TO STA 30+50

DRAWING
P1
3 OF 7 SHTS

FLOOD ZONE NOTE

THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) CONTAINING COMMUNITY PANEL NUMBER 320030 1734 E, DATED SEPTEMBER 27, 2002, THE FIRM MAP SHOWS THAT THE PROJECT IS LOCATED WITHIN ZONE X.

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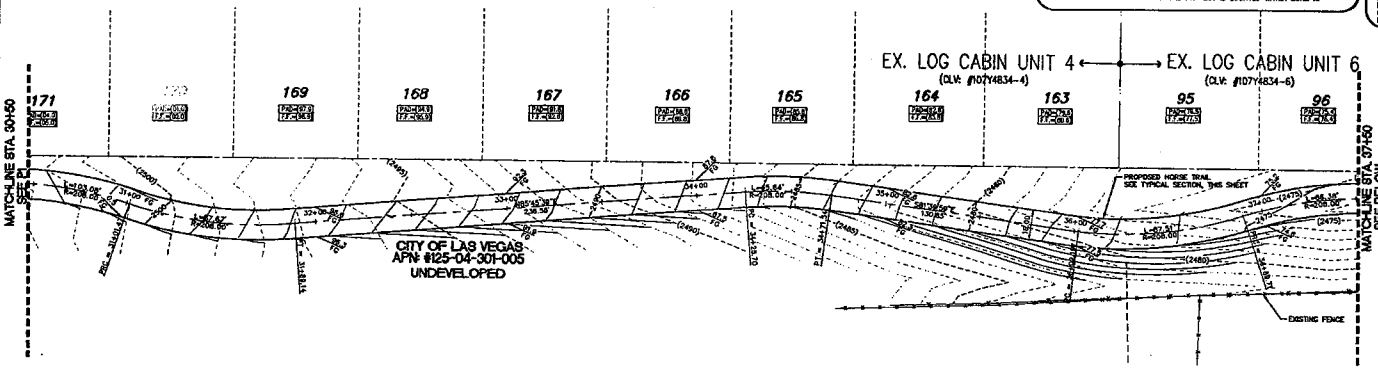
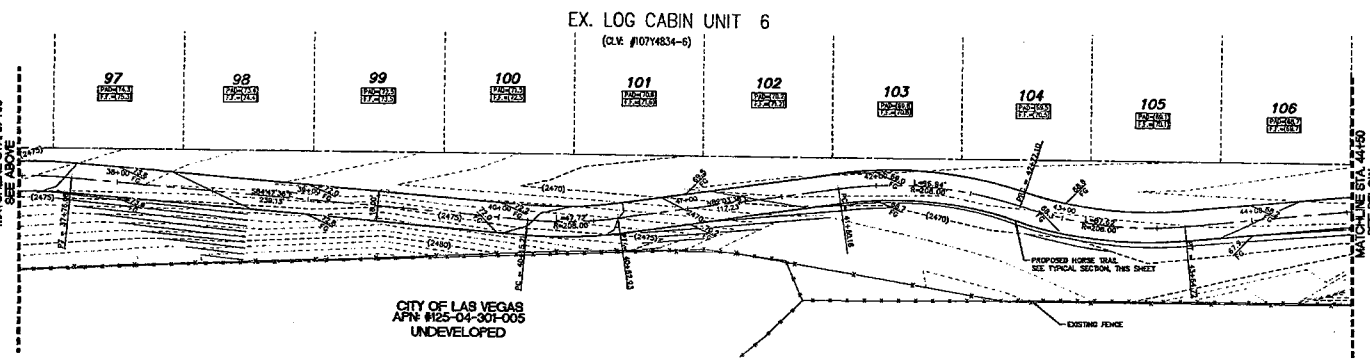
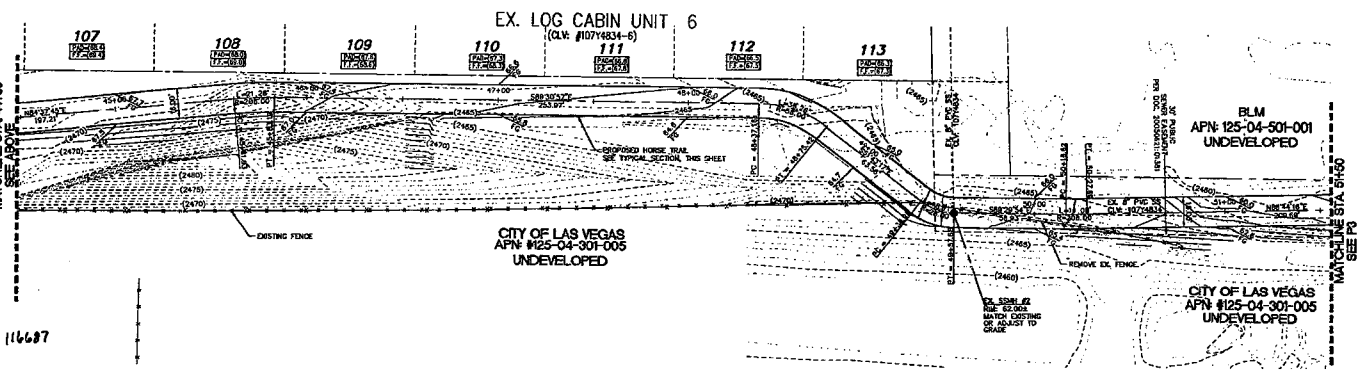
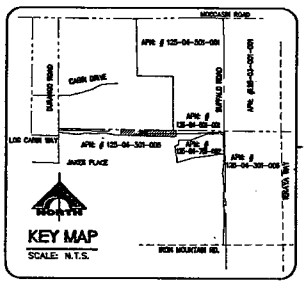
NORTH

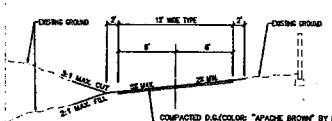
SCALE 30 0 30 60 FEET











CUT/FILL SLOPES

FLOYD LAMB STATE PARK HORSE TRAIL

(NOT TO SCALE)

TYPICAL SECTION (THIS SHEET ONLY)

BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL CITY OF LAS VEGAS AM #7(WOODS RIVET & PLATE IN CONC. CYL NW COR LOG CABIN & HOMESTEAD

ELEVATION: 791.7898 METERS (NAVD88) 2594.82 FEET

BASIS OF BEARINGS

NORTH 00°28'28" WEST BEING THE BEARING OF THE WEST LINE OF THE NORTHWEST QUARTER (NWT/4) OF SECTION 6, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M. CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN FILE 106, PAGE 08 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

Avoid costly underground utility lines. It's simply

Call before you Dig.

1-800-227-2600

UNDERGROUND SERVICE (USA)

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY

CALL BEFORE YOU DIG OVERHEAD

1-702-227-2929

AVOID HITTING UNDERGROUND TRAFFIC SIGNAL SYSTEMS AND STREET LIGHT SYSTEM CONDUITS. IT'S COSTLY. CALL BEFORE YOU DO UNDERGROUND

Call before you Underground

1-702-455-7511

CLARK COUNTY TRAFFIC OPERATIONS

OR

1-702-229-6611

LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

CLV DRAWING # 676-15

HB 19759

116687

G.C. WALLACE COMPANIES
ENGINEERS | PLANNERS | SURVEYORS
6665 S. CAMARON ROAD - LAS VEGAS, NV 89113
T: 702.804.3000 - F: 702.804.3299 - GCWALLACE.COM

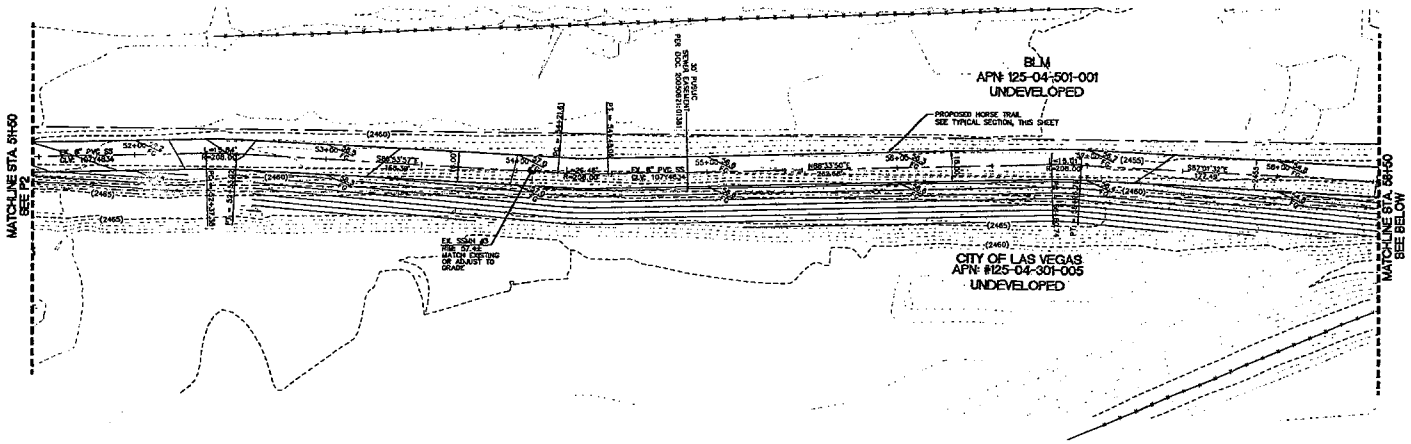
DESIGN: JAN
DRAWN:
CHECK:
ISSUE DATE:
PLOT DATE: 01-08-08
PLOT SCALE: 1:1

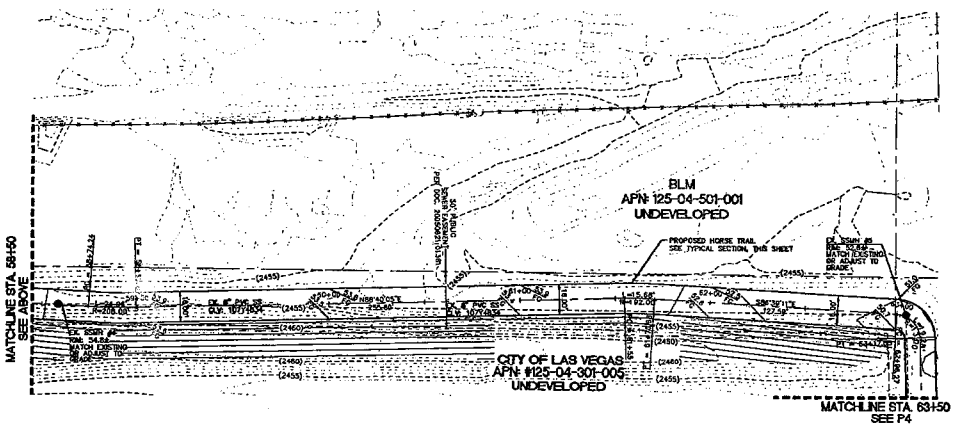
LOG CABIN RANCH - HORSE TRAIL

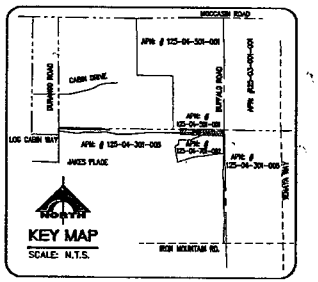
D.R. HORTON, INC.

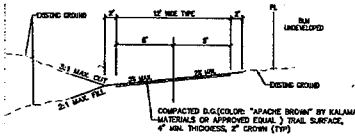
HORSE TRAIL - PLAN II
STA 30+00 TO STA 61+50

DRAWING
P2
4 OF 7 SHTS









CUT/FILL SLOPES

FLOYD LAMB STATE PARK
HORSE TRAIL (NOT TO SCALE)

TYPICAL SECTION (THIS SHEET ONLY)

FLOOD ZONE NOTE

THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) CONTAINING COMMUNITY PANEL NUMBER 32003C 1734 E, DATED SEPTEMBER 27, 2002. THE FIRM MAP SHOWS THAT THE PROJECT IS LOCATED WITHIN ZONE X.

NOTICE

G.C. WALLACE, INC. ASSUME NO RESPONSIBILITY FOR EXISTING UTILITY SHOWN OR NOT SHOWN. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM RECORD INFORMATION AND ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND DEPTH OF ALL RELEVANT UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF A CONFLICT OR DISCREPANCY IS DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING IMMEDIATELY.

BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL
CITY OF LAS VEGAS BM #FLOYDSEA
RIVET & PLATE IN CONC. CYL NW COR
LOG CABIN & HOMESTEAD

ELEVATION 751.7939 METERS (NAVD88)
2464.82 FEET

BASIS OF BEARINGS

NORTH, 00°28'29" WEST BEING THE BEARING OF THE WEST LINE OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 4, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN FILE 105, PAGE 08 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

Avoid cutting underground utility lines. It's easy.
Call before you Dig.
1-800-227-2600
UNDERGROUND SERVICE (USA)

AVOID HITTING OVERHEAD POWER LINES (1'S CIRCLY)
CALL BEFORE YOU DIG OVERHEAD
1-702-227-2929

AVOID HITTING UNDERGROUND TRAFFIC SIGNAL SYSTEMS AND STREET LIGHT SYSTEM CONDUITS (1'S CIRCLY)
CALL BEFORE YOU DIG UNDERGROUND
Call before you UnderGround
1-702-455-7511
CLARK COUNTY TRAFFIC OPERATIONS
OR
1-702-229-6611
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

CLV DRAWING # 676-15
HB 19/759

116693

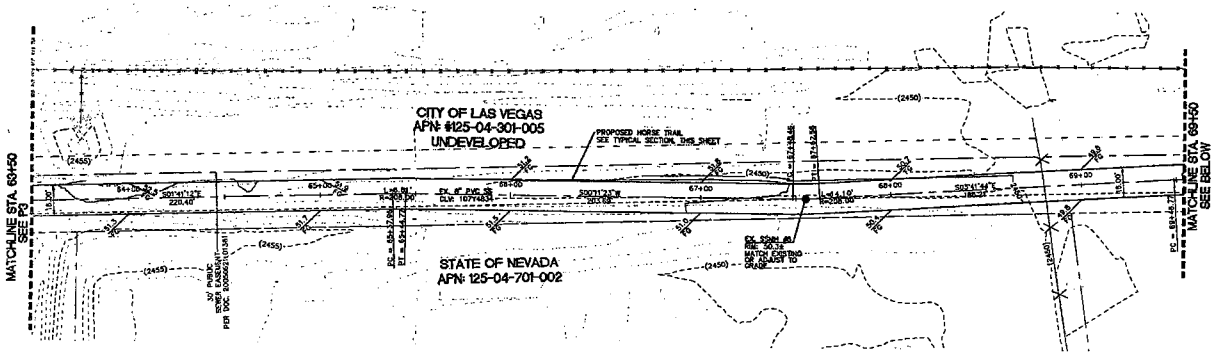
G.C. WALLACE COMPANIES
ENGINEERS | PLANNERS | SURVEYORS
6655 S. CIMARRON ROAD - LAS VEGAS, NV 89113
TY:702.896.5000 - FX:702.896.4229 - GCWALLACE.COM

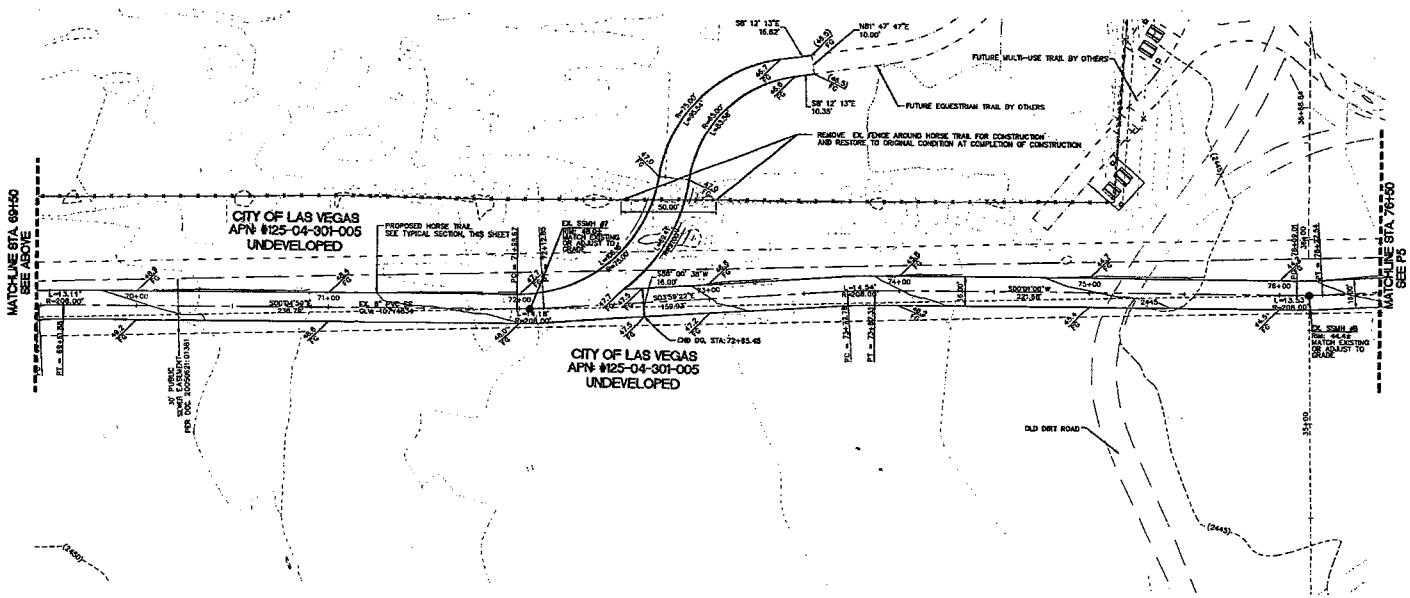
DESIGN: JAM
DRAWN:
CHECK:
ISSUE DATE:
REVISION DATE:
PLOT DATE: 04-09-09
TIME: 03:44:31
FILE: F:\Projects\1700\127-02\Dgn\Improv\Horse Trail\Annotate\P-7-11-0934.DWG

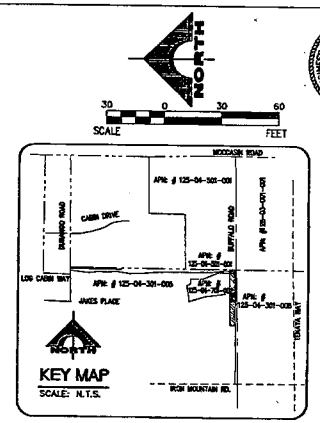
DATE	REVISION	BY	CHK	APP

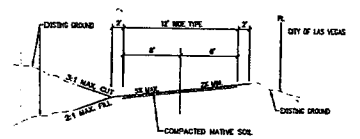
LOG CABIN RANCH - HORSE TRAIL
D.R. HORTON, INC.
HORSE TRAIL - PLAN B
STA 51+50 TO STA 63+50

DRAWING
P3
5 OF 7 SHTS

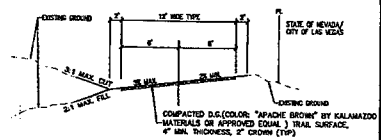








CUT/FILL SLOPES
STA: 63+50 TO 72+65.45



CUT/FILL SLOPES
STA: 72+65.45 TO 76+50

FLOYD LAMB STATE PARK
HORSE TRAIL (NOT TO SCALE)
TYPICAL SECTION (THIS SHEET ONLY)

BENCHMARK
CITY OF LAS VEGAS VERTICAL CONTROL
CITY OF LAS VEGAS BM #LV60SER
RIVET & PLATE IN CONC. CTL. NW COR
LOG CABIN & HOMESTEAD
ELEVATION: 755.7788 METERS (NAVD88)
2554.92 FEET

BASIS OF BEARINGS
NORTH 00°26'28" WEST BEING THE BEARING OF THE WEST LINE OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 4, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M. CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN FILE 105, PAGE 09 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

Avoid digging underground utility lines. It's easy.
Call before you Dig.
1-800-227-2600
UNDERGROUND SERVICE (USA)

AVOID HITING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

AVOID HITING UNDERGROUND TRAFFIC SIGNAL SYSTEMS AND STREET LIGHT STREET CONDUITS IT'S COSTLY. CALL BEFORE YOU DO UNDERGROUND
Call before you UnderGround
1-702-455-7511
CLARK COUNTY TRAFFIC OPERATIONS
AND
1-702-229-6611
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

FLOOD ZONE NOTE
THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) CONTAINING COMMUNITY PANEL NUMBER 32003C 1734 E, DATED SEPTEMBER 27, 2002. THE FIRM MAP SHOWS THAT THE PROJECT IS LOCATED WITHIN ZONE X.

NOTICE
G.C. WALLACE, INC. ASSUME NO RESPONSIBILITY FOR EXISTING UTILITY SHOWN OR NOT SHOWN. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM RECORDS INFORMATION AND ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND DEPTH OF ALL RELEVANT UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF A CONFLICT OR DISCREPANCY IS DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING IMMEDIATELY.

CLV DRAWING # 676-15
I-# 10750

116689

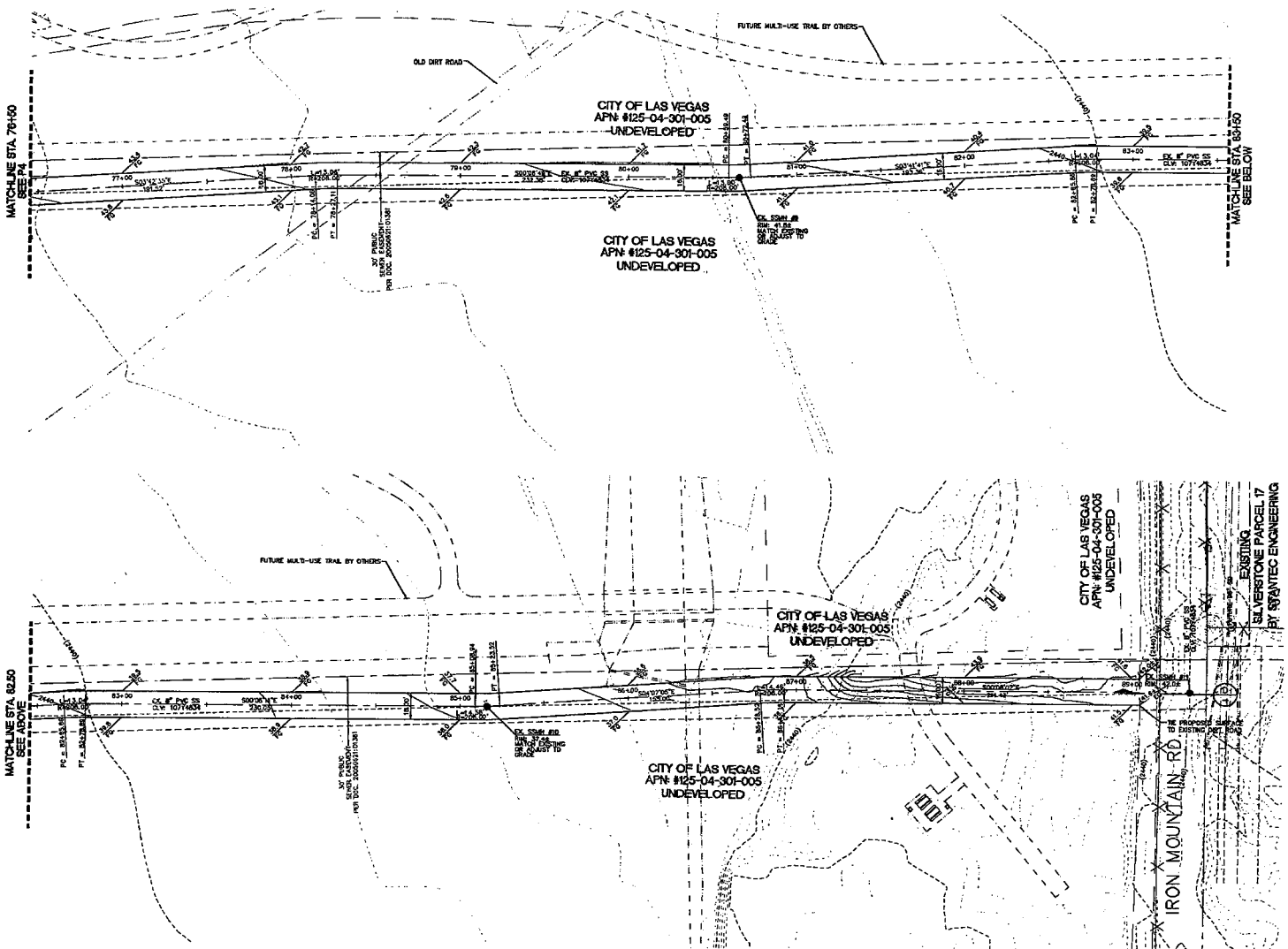
G.C. WALLACE COMPANIES
ENGINEERS | PLANNERS | SURVEYORS
6655 S. CIMARRON ROAD LAS VEGAS, NV 89113
T: 702.804.2000 F: 702.804.2299 GCWALLACE.COM

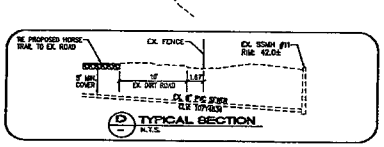
DESIGN: JWY
DRAWN:
CHECK:
ISSUE DATE:
ISSUE EDITOR:
FILE DATE: 2006-06-05
C:\Projects\100\787-017\dwg\Mmrs\Horse Trail\horsetrail-2-14-06.dwg, TB-PLAN, APR 07-4-06

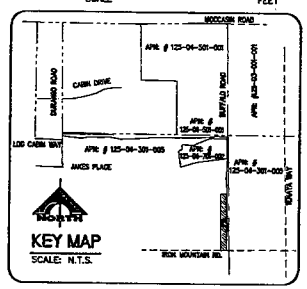
DATE: 4/9/07
DATE: 4/4/06 APP. DATE: 4/4/06 APP.
DATE: 4/4/06 APP. DATE: 4/4/06 APP.
REVISIONS
DESCRIPTION

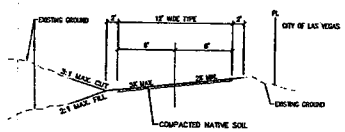
LOG CABIN RANCH - HORSE TRAIL
D.R. HORTON, INC.
HORSE TRAIL - PLAN IV
STA 63+50 TO STA 76+50

DRAWING
P4
6 OF 7 SHTS









FLOYD LAMB STATE PARK
HORSE TRAIL (NOT TO SCALE)
TYPICAL SECTION (THIS SHEET ONLY)

FLOOD ZONE NOTE

THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) CONTAINING COMMUNITY PANEL NUMBER 3200JC 1734 E, DATED SEPTEMBER 27, 2002. THE FIRM MAP SHOWS THAT THE PROJECT IS LOCATED WITHIN ZONE X.

NOTICE

C.C. WALLACE, INC. ASSUME NO RESPONSIBILITY FOR EXISTING UTILITY SHOWN OR NOT SHOWN. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM RECORD INFORMATION AND ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND DEPTH OF ALL RELEVANT UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF A CONFLICT OR DISCREPANCY IS DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING IMMEDIATELY.

BENCH-MARK

CITY OF LAS VEGAS VERTICAL CONTROL
CITY OF LAS VEGAS BM #7LV9065B
RIVET IN PLASTIC IN CONC. CYL NW COR
LOG CABIN & HOMESTEAD
ELEVATION: 785.7039 METERS (NAVD88)
2561.92 FEET

BASIS OF BEARINGS

NORTH 00°28'28" WEST BEING THE BEARING OF THE WEST LINE OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 4, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN FILE 106, PAGE 08 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

Avoid hitting underground utility lines. It's easy.
Call before you Dig.
1-800-227-2600
UNDERGROUND SERVICE (USA)

Avoid hitting underground traffic signal systems and street light system conduits (ITS conduit). Call before you do underground work.
Call before you UnderGround
1-702-455-7511
CLARK COUNTY TRAFFIC OPERATIONS
1-702-229-6611
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

Avoid hitting overhead power lines. It's easy.
SCALE BEFORE YOU DO OVERHEAD
1-702-227-2929

CLV DRAWING # 676-15
HB 18750

116690

G.C. WALLACE COMPANIES
ENGINEERS | PLANNERS | SURVEYORS
6655 S. CAMARON ROAD - LAS VEGAS, NV 89011
T: 702.896.8200 - F: 702.896.8299 - GCWALLACE.COM

DESIGN: SSAN
DRAWN:
CHECK:
DATE:
ISSUE DATE:
FILE DATE: 04-09-05
PLOT DATE: 07-12-13

REV.	DATE	DESCRIPTION	DATE	CHECK	DRAWN	DESIGN

DATE: 4/9/05

LOG CABIN RANCH - HORSE TRAIL
D.R. HORTON, INC.
HORSE TRAIL - PLAN V
STA 76+50 TO STA 89+50

DRAWING
P5
7 OF 7 SHTS