

GENERAL NOTES

- Contractor shall provide all necessary horizontal and vertical transition between new construction and existing surfaces to provide for proper drainage and of ingress and egress to said construction, extent of transitions to be determined by City Engineer.
- Existing utilities are located on plans for the convenience of the Contractor only, the Contractor shall bear full responsibility for the protection of utilities and the Engineer bears no responsibility for utilities not shown on plans or not in the location shown on the plans.
- Construction to be per Uniform Standard Specifications and Drawings; City of Las Vegas, Nevada, latest edition.
- Construction Survey: Grades are given from top of stakes or nails. The Contractors are cautioned to observe the following rule in using the grade stakes given by this office for putting in curbs or sewers. Three consecutive points that are shown to be on the same rate of slope must be used in common in order that any variation out of a perfect straight grade may be detected, and in case any such discrepancy is found, the same must be reported, otherwise this office will not be responsible for any error in the grade of the finish work.
- Use Type V cement in all offsite concrete work.
- Chisel S. & G. where these lines pass under the curb.
- Housing services shall comply with the western plumbing code as to separation distance.
- All houses to be served individually as per Section 313 of the Uniform Plumbing Code.
- Concrete collars required around water valves and manhole covers at surface of paved areas.

STREET LIGHTING NOTES

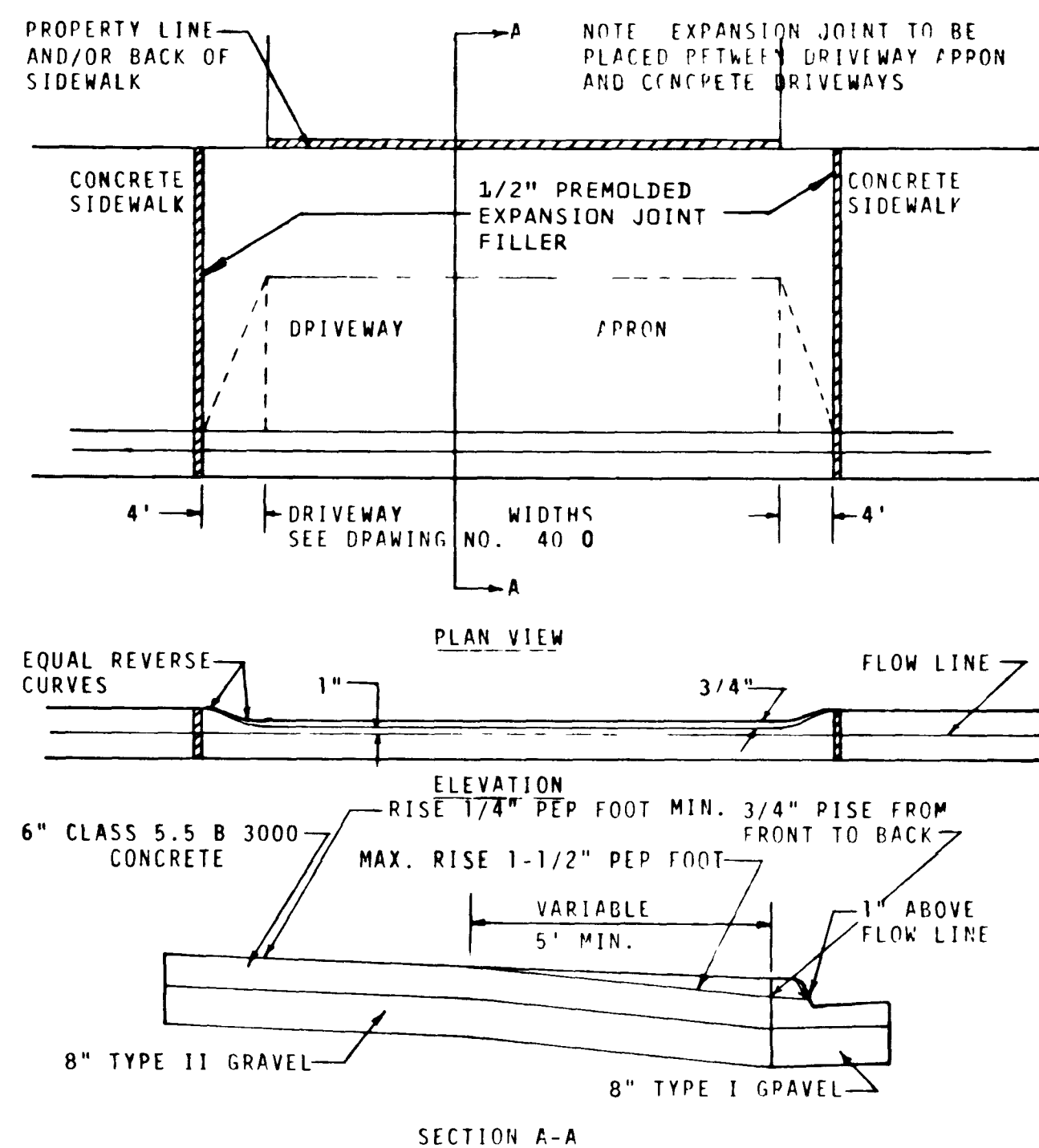
STREET LIGHTING SPECIFICATIONS
240 VOLT SINGLE PHASE TWO WIRE SYSTEM

UNDERGROUND

- Street lighting standards shall be as shown by Drawing No. 400.1 page 40 of Uniform Standard Drawings and must conform to Sections 400 and 405 and any other applicable sections of the Uniform Standard Specifications.
- On 80' R/W Streets there shall be 2 poles on diagonal corners.
- On 100' R/W Streets there shall be one pole at each corner.
- High Pressure Sodium Luminaires to be used on 51' R/W and 60' R/W Streets shall be 100 watt, 240 volt I.E.S. distribution type 3, with integral constant wattage ballasts, similar to General Electric Type M250A catalogue #C7286584 or approved equal.
- High Pressure Sodium Luminaires to be used on 80' R/W streets and over, shall be 250 Watt 240 Volt, I.E.S. distribution type 3 with integral constant wattage ballast similar to General Electric Type M-400A, Catalog #C7246804 or approved equal.
- 100 Watt High Pressure Sodium Lamps shall be Sylvania LU100 or approved equal.
- 250 Watt High Pressure Sodium Lamps shall be Sylvania LU250 or approved equal.
- Photo Cell and Control to be 120 Volts. Fisher-Pierce 6660 or approved equal.
- Spacing of Standards shall be 180 feet maximum on 51' R/W and 60' R/W streets on one side.
- Spacing of standards shall be 180 feet maximum on 80' R/W streets on each side and staggered.
- Spacing of standards on 100' R/W streets or more shall be 120 feet maximum on each side and staggered.
- All standards to be set 18" back of curb.
- Sch. 40 Rigid Non-Metallic Conduit (PVC) or approved equal complying with Article 347 of the National Electrical Code may be used for underground applications and to be within 12" back of curb and 24" cover.
- Fuse Holders and Connectors shall be installed in the bases of all lighting standards, the fuse holders shall be Buss-Tron-Hex-AA, with rubber boots.
- Base covers for lighting standards are not to be installed before breakout caps are placed and inspected. All materials used in underground wiring, in breakout caps and under base covers to be inspected before installation.
- Foundations shall be constructed and located to line and grade as directed by the field engineer.
- Lighting Standard and Mast Arm Cable to luminaire shall be 10/2 U.F. Type 600 Volt copper cable.
- The Contractor shall be responsible for avoiding damage to property, either public or private and in the event of such damage, shall make satisfactory repairs at his own expense.
- The Contractor shall furnish complete service to transformers and control systems, if required.
- The Service Point standard is to be installed at the approved location shown on plans and to conform to drawing #401.1 page 44 of the Uniform Standard Drawings.
- In the selection of 100 and 250 Watt High Pressure Sodium Luminaires to be used in a particular development one approved manufacturer shall be specified.
- These specifications to become effective on all City of Las Vegas Multiple Street Lighting Designs approved on or after June 1, 1977.
- These specifications shall be superseded by any revised specifications in existence at the time of installation.

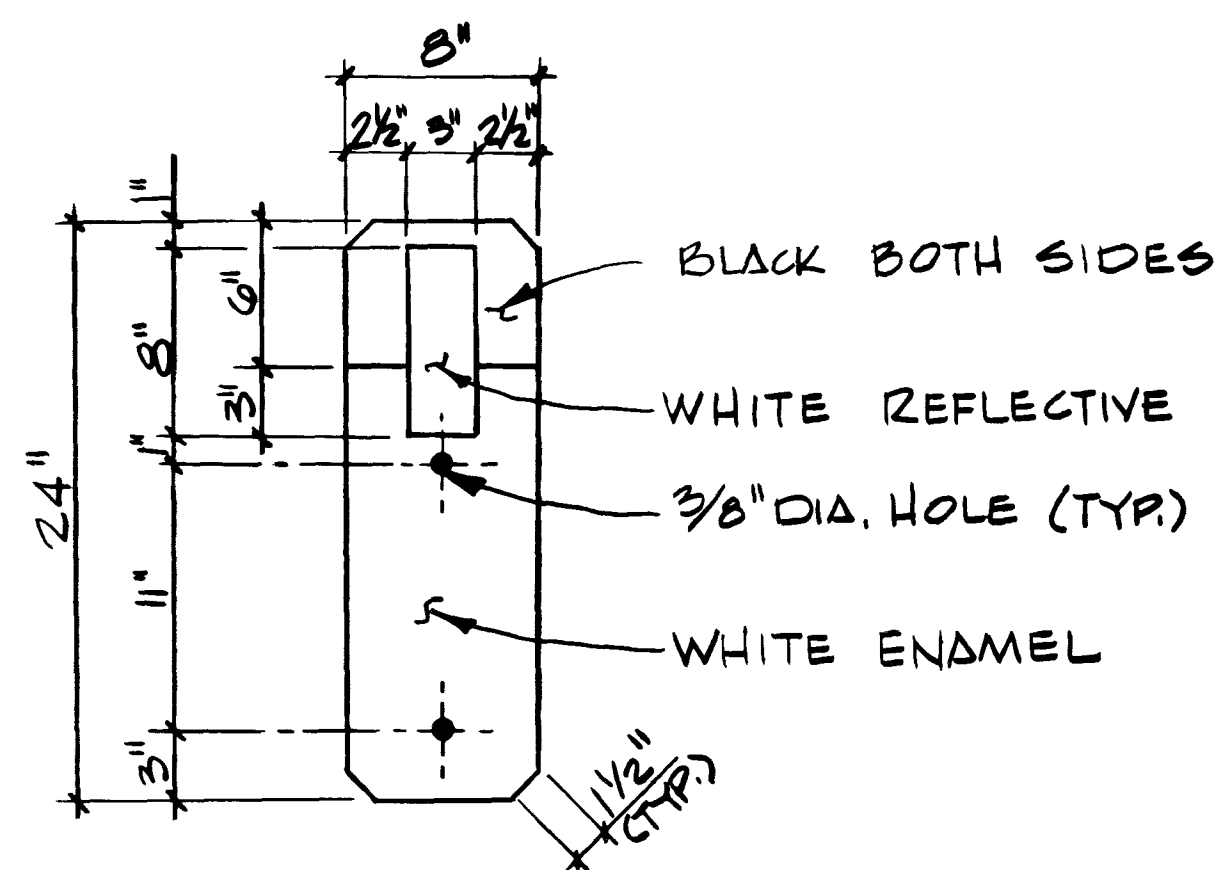
BENCH MARK

FND. BRASS CAP MONUMENT N^o. R.L.S. 2050 AT \angle INTERSECTION OF O'BANNON DR. & TORREY PINES DR., CLV DATUM, ELEV. 2336.95



TYPICAL DRIVEWAY DETAIL

NOTE: EXPANSION JOINT REQUIRED EVERY 300 MAX IN EXTENDED CURB



BOTTOM OF PADDLE TO BE 3/4" ABOVE GROUND. PADDLE TO BE MOUNTED ON "U" POST, SPACED @ 20'± O.C.

WARNING PADDLE DETAIL

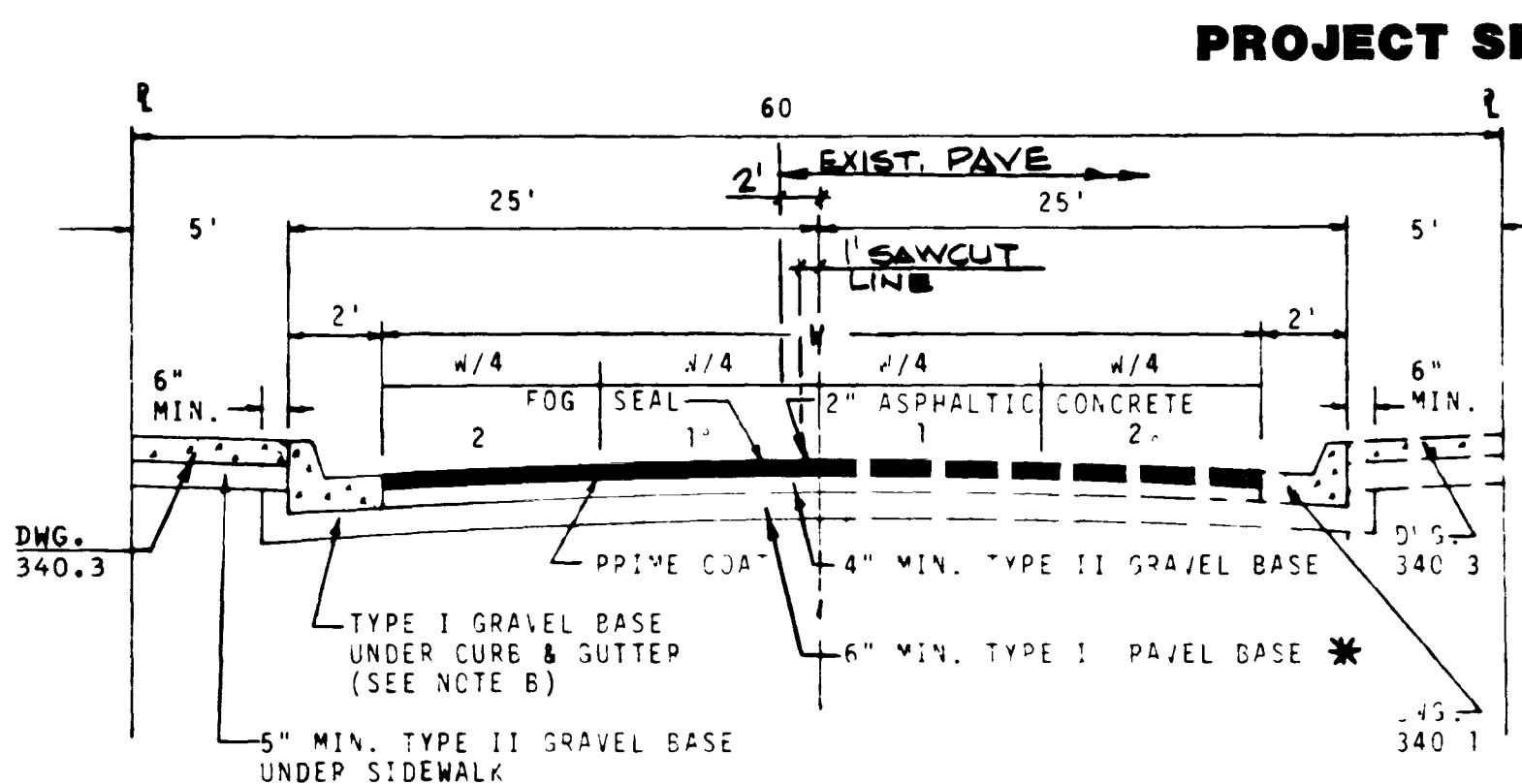
ESTIMATE OF QUANTITIES

STREET IMPROVEMENTS	DESCRIPTION	QUANTITY	UNIT
2" A.C. PAVEMENT		2,553	S.Y.
"L" TYPE CURB & GUTTER		971	L.F.
5' CONCRETE SIDEWALK		3,394	S.F.
6' CONCRETE VALLEY GUTTER		242	S.F.
*CONCRETE DRIVEWAY (24'x5')		1,440	S.F.
WATER			
3/4" SERVICE LATERALS		12	EA.
METER BOX		12	EA.
SEWER			
STANDARD MANHOLE		1	EA.
8" V.C.P.		122	L.F.
4" V.C.P. LATERALS		408	L.F.
MISCELLANEOUS			
EXCAVATION		4,100	C.Y.
STREET AND STOP SIGN		1	EA.
TEMPORARY 2" A.C. TRANSITION		192	S.Y.
REFLECTORIZED WARNING PADDLE		4	EA.

*APPROXIMATE DRIVEWAY QUANTITY. FINAL QUANTITY TO BE DETERMINED FROM THE MODEL SCHEDULE ON THE PLOT PLAN.

INDEX OF DRAWINGS

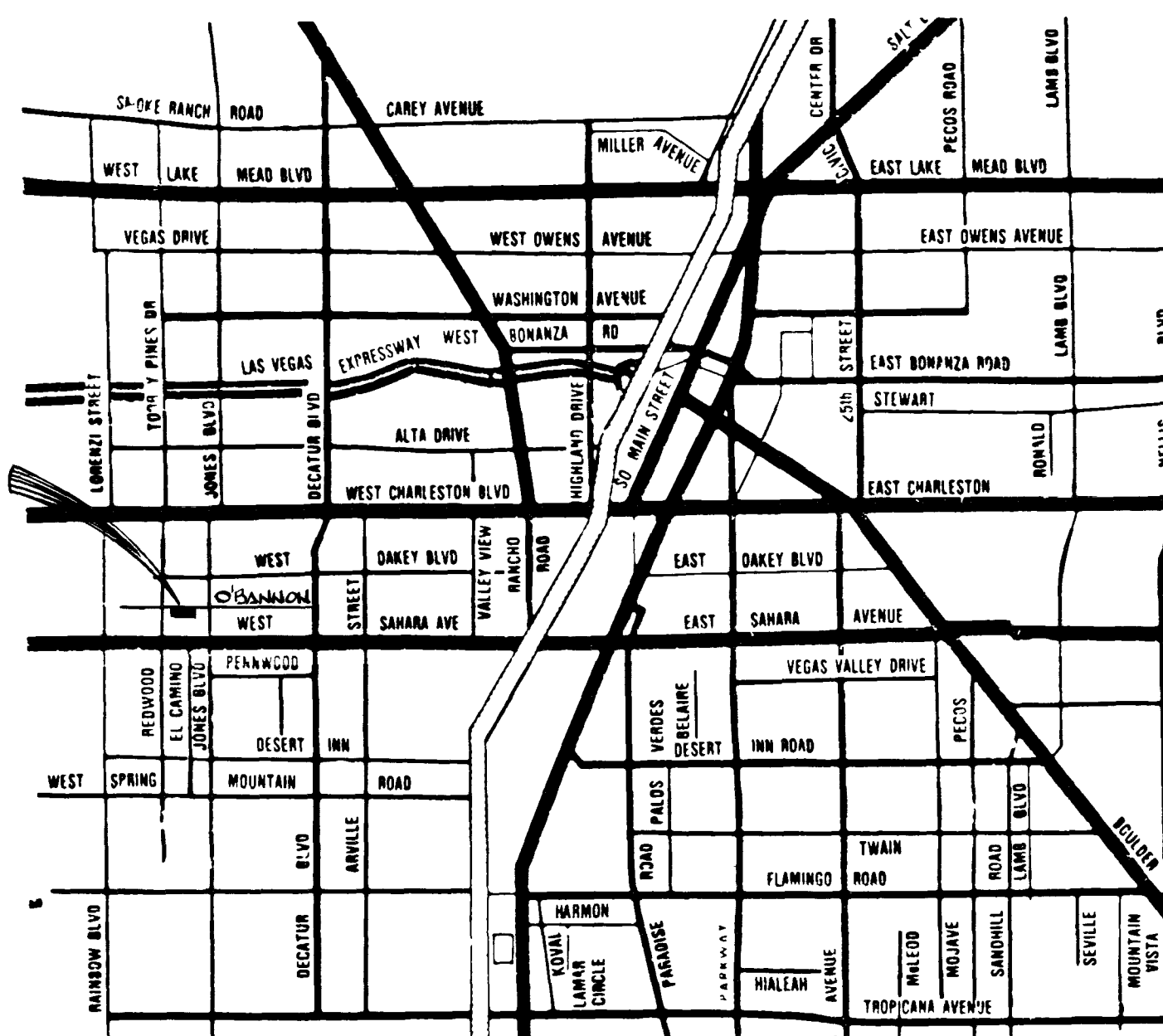
NO.	TITLE
1.	COVER SHEET
2.	PLAT MAP
3.	QUANTITIES, GENERAL NOTES & MISC.
4.	UTILITY PLAN
5.	O'BANNON DRIVE
6.	O'BANNON DRIVE & VERDONAL DRIVE
7.	GRADING PLAN



- NOTES:
- AC PAVEMENT TO BE 1/2" ABOVE LIP OF GUTTER AFTER COMPACTION.
 - SUBGRADE FOR TYPE I UNDER CURB AND GUTTER AND UNDER AC TO BE CONTINUOUS.
 - THE MAXIMUM GRADE BREAK OCCURRING IN THE CROSS SECTION SHALL BE 2.0% AND SHALL FALL BETWEEN DRIVING LANES OR BETWEEN A DRIVING LANE AND A PARKING LANE.

* OWNER AGREES THAT IF EXISTING NATIVE MATERIAL DOES NOT CONFORM TO SPECIFICATIONS FOR TYPE I BASE, OWNER WILL IMPORT TYPE I BASE FOR A.C. PAVEMENT.

TYPICAL 60' R/W STREET



VICINITY MAP

I HEREBY CERTIFY THAT THESE PLANS AND/OR SPECIFICATIONS COMPLY WITH F.H.A. OBJECTIVES, MINIMUM PROPERTY STANDARDS AND NEIGHBORHOOD REQUIREMENTS AND REPRESENTS THE BEST BY MY JUDGMENT. CIVIL

LEONARDO M. DELUNA, RPE #3794
DATE 5/22/80

APPROVALS

CITY ENGINEER: [Signature] DATE: _____
FIELD OPERATIONS ENGINEER: [Signature] DATE: _____
QUALITY CONTROL ENGINEER: [Signature] DATE: _____

RECOMMENDED BY: [Signature] DATE: _____
APPROVED BY: [Signature] DATE: _____
G.C. WALLACE Consulting Engineers, Inc. 1100 East Sahara Ave - Las Vegas, Nevada 89104 - 732-3300
LEWIS HOMES OF NEVADA
LEWIS HOMES - SAHARA NO. 8
QUANTITIES, GENERAL NOTES & MISC.

SHEET 3 OF 7 SHEETS

5543.8012

- REVISIONS**
1. Recheck ALL details of this drawing and structural conditions shown on drawings and all existing work of record for compliance with all codes and standards in effect at the time of the original design and construction of the work.
 2. All design and/or construction details shall be the responsibility of the Engineer of Record. The Engineer of Record shall be responsible for the design and construction of the work.
 3. Construction of the work shall be in accordance with the drawings and specifications of the work.
 4. The Engineer of Record shall be responsible for the design and construction of the work.
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GENERAL NOTES

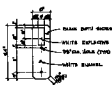
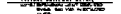
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REVISIONS

THIS DRAWING WAS PREPARED BY THE ENGINEER OF RECORD AND IS THE PROPERTY OF THE ENGINEER OF RECORD. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON.



TYPICAL DRIVEWAY DETAIL



SECTION OF FLOOR TO BE REINFORCED AND CONCRETE TO BE PLACED ON TOP AND SPREAD TO 18\"/>

WARNING BARRIER DETAIL



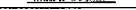
ESTIMATE OF QUANTITIES

DESCRIPTION	AMOUNT	UNIT
CONCRETE	1.00	CU YD
STEEL REINFORCEMENT	1.00	TON
FORMWORK	1.00	SQ YD
PAINT	1.00	SQ YD
GRASS	1.00	SQ YD
LANDSCAPING	1.00	SQ YD
CONCRETE	1.00	CU YD
STEEL REINFORCEMENT	1.00	TON
FORMWORK	1.00	SQ YD
PAINT	1.00	SQ YD
GRASS	1.00	SQ YD
LANDSCAPING	1.00	SQ YD

*QUANTITIES SHOWN ABOVE ARE APPROXIMATE AND SUBJECT TO CHANGE. THE ENGINEER OF RECORD SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE QUANTITIES.



TYPICAL 80' R/W STREET



UTILITY MAP



INDEX OF DRAWINGS

NO.	TITLE
1	GENERAL PLAN
2	FOUNDATION DETAIL
3	CONCRETE DETAIL
4	STEEL DETAIL
5	FORMWORK DETAIL
6	PAINT DETAIL
7	GRASS DETAIL
8	LANDSCAPING DETAIL

APPROVALS

Signature lines for approval, including a date stamp: 5/21/20.

G. D. WALLACE
 Consulting Engineer, Inc.
 1000 North Main Street
 St. Louis, Missouri 63101

QUANTITIES, GENERAL NOTES & SPEC.