

CITY OF NORTH LAS VEGAS BENCHMARK "NLV0121W4"
RIVET AND 2" ROUND ALUMINUM DISK, STAMPED NORTH LAS VEGAS BM NO.
NLV0121W4, SET IN THE TOP OF CURB, LOCATED ON THE NORTH SIDE OF LAKE MEAD
BLVD. AT TONOPAH ST.
ELEVATION=630.402 METERS=2068.24 FEET
NORTH AMERICAN VERTICAL DATUM 1988

SOUTH 89°43'00" EAST. BEING THE BEARING OF THE CENTERLINE OF MOUNT MARIAH DRIVE, AS SHOWN ON THAT SUBDIVISION KNOWN AS "AMMENDED MAP FOR LAS VEGAS ENTERPRISE PARK" ON FILE IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA, IN BOOK 77 OF PLATS, AT PAGE 54.

BEING A PORTION OF LOT 6 OF THAT SUBDIVISION KNOWN AS " AMENDED MAP FOR LAS VEGAS ENTERPRISE PARK" ON FILE IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA, IN BOOK 77 OF PLATS, AT PAGE 64 LYING WITHIN THE NORTHEAST QUARTER (NE 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 21, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE INTERSECTION OF MOUNT MARIAH DRIVE AND STELLA LAKE STREET, AS SHOWN ON SAID "AMMENDED MAP FOR LAS VEGAS ENTERPRISE PARK"; THENCE SOUTH 89°43'00" EAST, ALONG THE CENTERLINE OF SAID MOUNT MARIAH DRIVE, 458.71 FEET; THENCE SOUTH 00°17'00" WEST, DEPARTING SAID CENTERLINE 30.00 FEET TO A POINT ON THE SOUTHERLY RIGHT-OF-WAY LINE OF SAID MOUNT MARIAH DRIVE, SAME BEING THE POINT OF BEGINNING;

THENCE, SOUTH 00°17'00" WEST, 240.00 FEET; THENCE NORTH 89°43'00" WEST PARALLEL WITH CENTERLINE OF SAID MOUNT MARIAH DRIVE, 450.58 FEET TO A POINT ON THE EASTERLY RIGHT-OF-WAY LINE OF STELLA LAKE STREET; THENCE NORTH 05°21'06" EAST, ALONG EASTERLY RIGHT-OF-WAY LINE 222.64 FEET TO THE BEGINNING OF A TANGENT CURVE CONCAVE SOUTHEASTERLY HAVING A RADIUS OF 50.00 FEET; THENCE NORTHERLY 89°45'00" WEST ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 84°55'54" TO A POINT ON THE SOUTHERLY LINE OF SAID MOUNT DRIVE; THENCE SOUTH 89°43'00" EAST, ALONG SAID SOUTHERLY RIGHT-OF-WAY LINE 410.98 FEET TO THE POINT OF BEGINNING.

A.P.N. 139-21-313-016

- 1 REMOVE EXISTING FOOT-SIDE IMPROVEMENTS AS REQUIRED
- 2 CONSTRUCT 32' (UP-TO-LIP) DRIVEWAY, 8' CROSS CURB AND HANDICAPPED RAMPS
PER USDOCA STD DWGS 222A, 225 AND 228, CONSTRUCT SIDEWALK RAMPS USING
ARMOR TRUNCATED CONES ON 10' PER CAUSED DOW DWG 235
- 3 REMOVE AND REPLACE EXISTING SPANDREL AREA
- 4 CONSTRUCT 2' L-TYPE CURB & GUTTER PER USDOCA STD DWG 216 SEE DETAIL THIS SHEET
- 5 CONSTRUCT 5' SIDEWALK PER USDOCA STD DWG 234
- 6 CONSTRUCT A-TYPE CURB PER DETAIL SEE THIS SHEET
- 7 CONSTRUCT 2' (24" CONCRETE VALL) GUTTER PER DETAIL SEE THIS SHEET
- 8 INSTALL LOOSE STAMPED CONCRETE PAVEMENT THIS AREA PER ARCHITECTURAL PLANS
REFER TO GEOTECHNICAL NOTES FOR RECOMMENDED PAVEMENT SECTION
- 9 PROPOSED WROUGHT IRON FENCE PER CLV FIRE STATION #106

1. ALL GRADING AND PAVING TO BE COMPLETED IN STRICT ACCORDANCE WITH CONVERSE CONSULTANTS, GEOTECHNICAL EVALUATION, PROJECT NO. 10-34410-01, DATED FEBRUARY 9, 2011.
2. ON-SITE ASPHALT PAVING SECTION TO BE A MINIMUM OF TWO INCHES (2") ON A MINIMUM OF EIGHT INCHES (8") TYPE II IN PARKING AREAS AND A MINIMUM ELEVEN INCHES (11") TYPE II IN HIGH TRAFFIC AREAS.

*** SEE REPORT FOR RECOMMENDATIONS AND ALTERNATIVES ***
3. PAD ELEVATION IS BASED ON TWELVE INCHES (6") TYPE II UNDER A FOUR INCH (4") CONCRETE SLAB.

*** SEE REPORT FOR RECOMMENDATIONS AND ALTERNATIVES ***

**** THIS SITE PREDOMINATELY LIES WITHIN A FEMA ZONE "X" ****
PER FIRM PANEL32003C2160E DATED SEPTEMBER 27, 2002.
REVISED TO REFLECT LOMR DATED DECEMBER 11, 2003.

AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD.

FILL 625 CY
CUT 345 CY

USDCCA DWG 235 - CASE I		
RAMP	A	B
1	8.00	8.00
2	8.00	8.00
3	8.00	8.00
4	8.00	8.00
5	8.00	8.00

N.T.S.

	PROPERTY LINE
	RIGHT OF WAY
	CENTERLINE
	AC CUTLINE
	EXISTING CURB
	PROPOSED CURB
	EXISTING EDGES OF PAVEMENT
	PROPOSED EDGE OF PAVEMENT
	EXISTING BLOCK WALL
	PROPOSED BLOCK WALL
	CONTOUR LINE
	EXISTING OVER HEAD POWER
—OHP— —OHP—	ASPHALTIC CONCRETE
AC	BACK OF CURB
BC	BEGINNING OF CURB RADIUS
BCR	BACK OF WALK
BW	CURB & GUTTER
CG	CENTERLINE
CL	CONCRETE
CONC	ELECTRICAL
E	END OF CURB RADIUS
ECR	EDGE OF PAVEMENT
EP	EXISTING
EX	FINISH GRADE
FL	FLOW LINE
GB	GRADE BREAK
HP	HIGH POINT
INV	INVERT
LF	LINEAR FEET
LP	LOW POINT
NG	NATURAL GROUND
PL	PROPERTY LINE
PVC	POLYVINYL CHLORIDE
PE	POLYETHYLENE
SL	STREET LIGHT
SMH	SEWER MANHOLE
SSCO	SANITARY SEWER CLEANOUT
STA	STATION
SW	SIDEWALK
TC	TOP OF CURB
TE	TRASH ENCLOSURE
TF	TOP OF FOOTING
TS	TOP OF SLOPE
TSE	TOE OF SLOPE
TLVT	TELEPHONE VAULT
TRW	TOP OF RETAINING WALL
TW	TOP OF WALL
(88.88)	EXISTING GRADE
88.88	PROPOSED GRADE
	EXISTING 100' STREET LIGHT

DEVELOPER

HEET

SCALE
HORIZ: 1"=30'
VERT: N/A

CHECKED	PROJECT	124-
---------	---------	------

728

OF **9** SHEETS

"I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY (DS XXXX) ON FILE AT THE CITY OF LAS VEGAS FOR THIS PROJECT"

DAT

CLV PROJECT # XXXX

BENCHMARK

CITY OF NORTH LAS VEGAS BENCHMARK "NLV0121W4"
RIVET AND 2" ROUND ALUMINUM DISK, STAMPED NORTH LAS VEGAS BM NO.
NLV0121W4, SET IN THE TOP OF CURB, LOCATED ON THE NORTH SIDE OF LAKE MEAD
BLVD. AT TONOPAH ST.
ELEVATION=630.402 METERS=2068.24 FEET
NORTH AMERICAN VERTICAL DATUM 1988

BASIS OF BEARING

SOUTH 89°43'00" EAST, BEING THE BEARING OF THE CENTERLINE OF MOUNT MARIAH
DRIVE, AS SHOWN ON THAT SUBDIVISION KNOWN AS "AMENDED MAP FOR LAS
VEGAS ENTERPRISE PARK" ON FILE IN THE OFFICE OF THE COUNTY RECORDER,
CLARK COUNTY, NEVADA, IN BOOK 77 OF PLATS, AT PAGE 54.

LEGAL DESCRIPTION

BEING A PORTION OF LOT 6 OF THAT SUBDIVISION KNOWN AS "AMENDED MAP FOR
LAS VEGAS ENTERPRISE PARK" ON FILE IN THE OFFICE OF THE COUNTY RECORDER,
CLARK COUNTY, NEVADA, IN BOOK 77 OF PLATS, AT PAGE 54 LYING WITHIN THE
NORTHEAST QUARTER (NE 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION
21, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M., CITY OF LAS VEGAS, CLARK
COUNTY, NEVADA MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE INTERSECTION OF MOUNT MARIAH DRIVE AND STELLA LAKE
STREET, AS SHOWN ON SAID "AMENDED MAP FOR LAS VEGAS ENTERPRISE PARK";
THENCE SOUTH 89°43'00" EAST, ALONG THE CENTERLINE OF SAID MOUNT MARIAH
DRIVE, 458.71 FEET; THENCE SOUTH 00°17'00" WEST, DEPARTING SAID CENTERLINE
30.00 FEET TO A POINT ON THE SOUTHERLY RIGHT-OF-WAY LINE OF SAID MOUNT
MARIAH DRIVE, SAME BEING THE POINT OF BEGINNING;

THENCE, SOUTH 00°17'00" WEST, 240.00 FEET; THENCE NORTH 89°43'00" WEST
PARALLEL WITH CENTERLINE OF SAID MOUNT MARIAH DRIVE, 450.58 FEET TO A
POINT ON THE EASTERLY RIGHT-OF-WAY LINE OF STELLA LAKE STREET; THENCE
NORTH 08°21'08" EAST, ALONG EASTERLY RIGHT-OF-WAY LINE 222.64 FEET TO THE
BEGINNING OF A TANGENT CURVE CONCAVE SOUTHEASTERLY HAVING A RADIUS OF
20 FEET; THENCE NORTHEASTERLY 29.65 FEET ALONG SADI CURVE THROUGH A
CENTRAL ANGLE OF 84°55'54" TO A POINT ON THE SOUTHERLY LINE OF SAID MOUNT
DRIVE; THENCE SOUTH 89°43'00" EAST, ALONG SAID SOUTHERLY RIGHT-OF-WAY LINE
410.99 FEET TO THE POINT OF BEGINNING.

CONTAINING 2.42 ACRES, MORE OR LESS

A.P.N. 139-21-313-016

FEMA FLOOD ZONE NOTE
** THIS SITE PREDOMINATELY LIES WITHIN A FEMA ZONE "X" **
PER FIRM PANEL 32003C2180E DATED SEPTEMBER 27, 2002.
REVISED TO REFLECT LOMR DATED DECEMBER 11, 2003.

FEMA ZONE "X"
AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL
CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT
OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND
AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE
FLOOD.

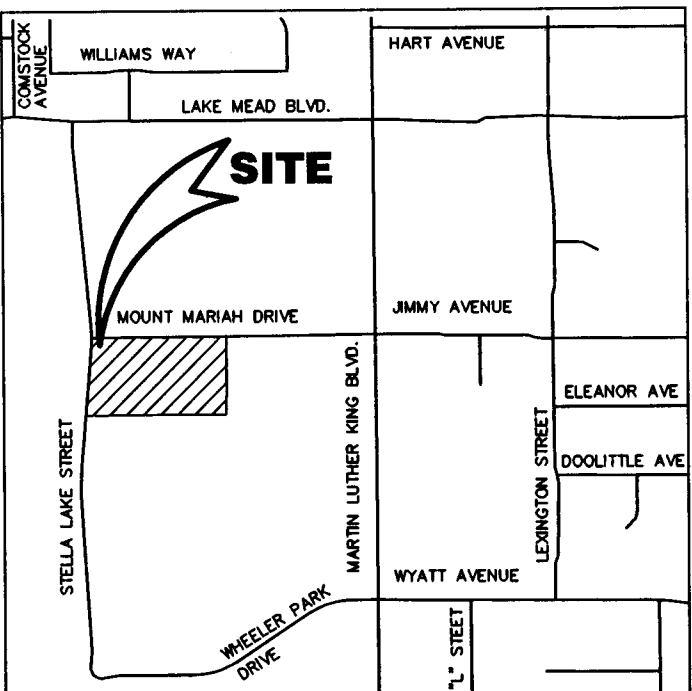
ON-SITE BASIN DATA				
BASIN ID	AREA (ACRES)	SOIL GROUP	RDN	COMMENTS
OND1	1.88	B	98	IMPERVIOUS
OND2	0.54	B	98	IMPERVIOUS

PEAK FLOW SUMMARY			
BASIN ID	Q10 (CFS)	Q100 (CFS)	
OND1	3	6	
OND2	<1	1	

STREET SECTION FLOW DATA				
SECTION ID	Q100 (CFS)	DEPTH (FT)	VELOCITY (FPS)	V/D
A-A	12	0.55	1.68	0.92
B-B	175	1.13	4.22	4.77

ON-SITE SECTION FLOW DATA				
SECTION ID	Q100 (CFS)	DEPTH (FT)	VELOCITY (FPS)	
C-C	7	0.28	1.41	

*ALL OFF-SITE FLOWS REFERENCED FROM PREVIOUSLY
APPROVED DRAINAGE STUDY FOR STELLA LAKE (DS 3581)

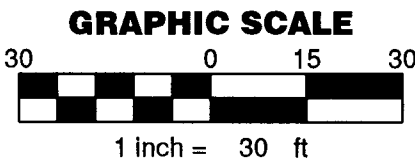


AREA MAP

N.T.S.

LEGEND

- PROPERTY LINE
- RIGHT OF WAY
- CENTERLINE
- AC CUTLINE
- EXISTING CURB
- PROPOSED CURB
- EXISTING EDGE OF PAVEMENT
- PROPOSED EDGE OF PAVEMENT
- EXISTING BLOCK WALL
- PROPOSED BLOCK WALL
- CONTOUR LINE
- EXISTING OVER HEAD POWER
- OHP— —OHP—
- AC ASPHALTIC CONCRETE
- BC BACK OF CURB
- BCR BEGINNING OF CURB RADIUS
- BW BACK OF WALK
- CG CURB & GUTTER
- CL CENTERLINE
- CONC CONCRETE
- E ELECTRICAL
- ECR END OF CURB RADIUS
- EP EDGE OF PAVEMENT
- EX EXISTING
- FG FINISH GRADE
- FL FLOW LINE
- GB GRADE BREAK
- HP HIGH POINT
- INV INVERT
- LF LINEAR FEET
- LP LOW POINT
- NG NATURAL GROUND
- PL POLYETHYLENE
- PVC POLYVINYL CHLORIDE
- SL STREET LIGHT
- SMH SEWER MANHOLE
- SSCO SANITARY SEWER CLEANOUT
- STA STATION
- SW SIDEWALK
- TC TOP OF CURB
- TE TRASH ENCLOSURE
- TF TOP OF FLOORING
- TOP TOP OF SLOPE
- TOE TOP OF SLOPE
- TLVT TELEPHONE VAULT
- TRW TOP OF RETAINING WALL
- TW TOP OF WALL
- (88.88) EXISTING GRADE
- 88.88 PROPOSED GRADE
- EXISTING 100W STREET LIGHT



This grading plan is a
part of drainage study
4522 which was received
on 2/24/11 and App'd on
4/18/11. Page 2 of 3

811
AVOID CUTTING UNDERGROUND
UTILITY LINES. IT'S COSTLY.
**Call before you
DIG.**
1-800-227-2600
NEVADA POWER ENVIRONMENT AND
SAFETY SERVICES DEPARTMENT
**Call before you
OVERHEAD**
1-702-227-2929
48 HRS ADVANCE

AVOID HITTING UNDERGROUND TRAFFIC SIGNAL SYSTEMS
AND STREET LIGHT SYSTEM CONDUITS IT'S COSTLY.
**Call before you
UNDERGROUND**
1-702-455-7511
CLARK COUNTY TRAFFIC OPERATIONS
AND
1-702-452-5300
LAS VEGAS AREA COMPUTERIZED
TRAFFIC SYSTEM

10 NINE DESIGN GROUP

3579 RED ROCK STREET LAS VEGAS, NEVADA 89103
PHONE: (702) 870-7076 FAX: (702) 258-6326

JHR Associates Ltd.
4880 W. UNIVERSITY, SUITE B-2 PH (702) 876-2341
LAS VEGAS, NEVADA 89103 FAX (702) 876-8395

DRAINAGE PLAN

NEVADA HEALTH CENTERS
MLK FAMILY CENTER/ADMIN OFFICES
CITY OF LAS VEGAS, NEVADA

SHEET

PROJECT

DESIGNED BY:

CHECKED BY:

SCALE

HORIZ: 1"=30'

VERT: N/A

PROJECT NO.

124-10-698

SHEET

D1

1 OF 1

SHEETS

BENCHMARK

CITY OF NORTH LAS VEGAS BENCHMARK "NLV0121W4"
RIVET AND 2" ROUND ALUMINUM DISK, STAMPED NORTH LAS VEGAS BM NO.
NLV0121W4. SET IN THE TOP OF CURB, LOCATED ON THE NORTH SIDE OF LAKE MEAD
BLVD. AT TONOPAH ST.
ELEVATION=630.402 METERS=2068.24 FEET
NORTH AMERICAN VERTICAL DATUM 1988

BASIS OF BEARING

SOUTH 89°43'00" EAST, BEING THE BEARING OF THE CENTERLINE OF MOUNT MARIAH
DRIVE, AS SHOWN ON THAT SUBDIVISION KNOWN AS "AMMEDED MAP FOR LAS
VEGAS ENTERPRISE PARK" ON FILE IN THE OFFICE OF THE COUNTY RECORDER,
CLARK COUNTY, NEVADA, IN BOOK 77 OF PLATS, AT PAGE 54.

LEGAL DESCRIPTION

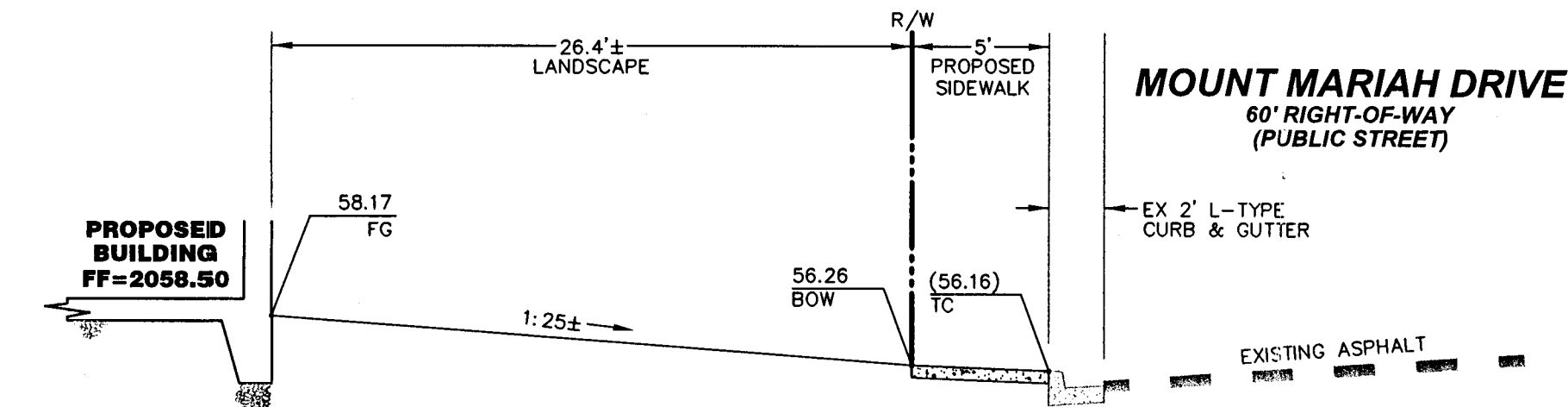
BEING A PORTION OF LOT 6 OF THAT SUBDIVISION KNOWN AS " AMENDED MAP FOR LAS
VEGAS ENTERPRISE PARK" ON FILE IN THE OFFICE OF THE COUNTY RECORDER, CLARK
COUNTY, NEVADA, IN BOOK 77 OF PLATS, AT PAGE 54 LYING WITHIN THE NORTHEAST
QUARTER (NE 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 21, TOWNSHIP 20
SOUTH, RANGE 61 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA MORE
PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE INTERSECTION OF MOUNT MARIAH DRIVE AND STELLA LAKE STREET,
AS SHOWN ON SAID "AMMEDED MAP FOR LAS VEGAS ENTERPRISE PARK"; THENCE SOUTH
89°43'00" EAST, ALONG THE CENTERLINE OF SAID MOUNT MARIAH DRIVE, 458.71 FEET;
THENCE SOUTH 00°17'00" WEST, DEPARTING SAID CENTERLINE 30.00 FEET TO A POINT ON
THE SOUTHERLY RIGHT-OF-WAY LINE OF SAID MOUNT MARIAH DRIVE, SAME BEING THE
POINT OF BEGINNING;

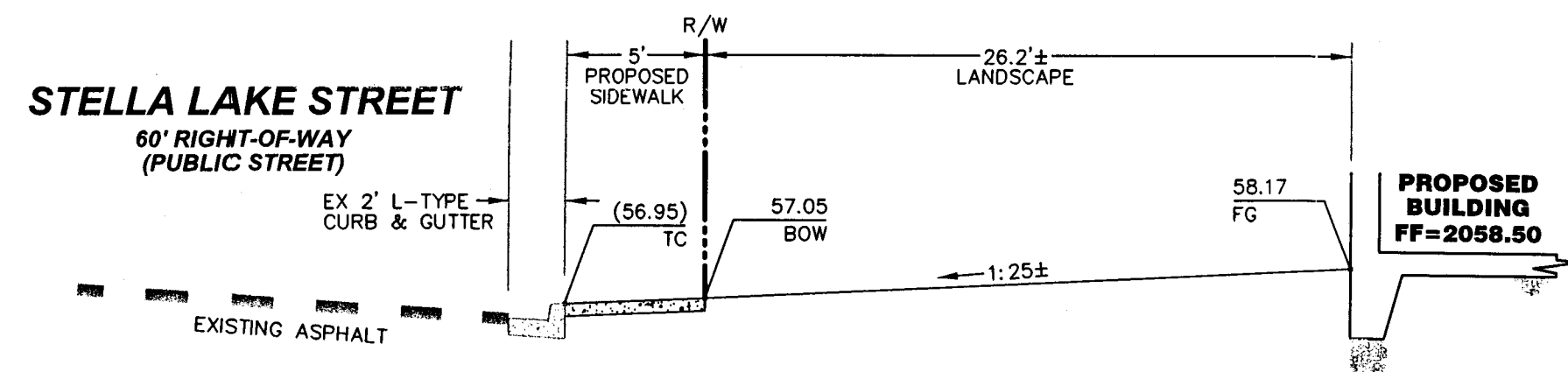
THENCE, SOUTH 00°17'00" WEST, 240.00 FEET; THENCE NORTH 89°43'00" WEST PARALLEL
WITH CENTERLINE OF SAID MOUNT MARIAH DRIVE, 450.58 FEET TO A POINT ON THE
EASTERLY RIGHT-OF-WAY LINE OF STELLA LAKE STREET; THENCE NORTH 05°21'06" EAST,
ALONG EASTERLY RIGHT-OF-WAY LINE 222.64 FEET TO THE BEGINNING OF A TANGENT
CURVE CONCAVE SOUTHEASTERLY HAVING A RADIUS OF 20 FEET; THENCE
NORTHEASTERLY 29.85 FEET ALONG SADI CURVE THROUGH A CENTRAL ANGLE OF 84°55'54"
TO A POINT ON THE SOUTHERLY LINE OF SAID MOUNT DRIVE; THENCE SOUTH 89°43'00"
EAST, ALONG SAID SOUTHERLY RIGHT-OF-WAY LINE 410.99 FEET TO THE POINT OF
BEGINNING.

CONTAINING 2.42 ACRES, MORE OR LESS

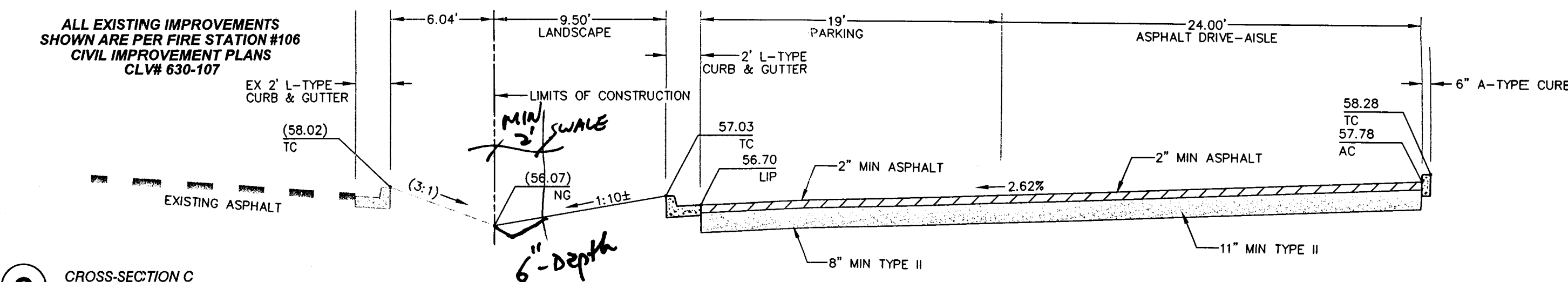
A.P.N. 139-21-313-016



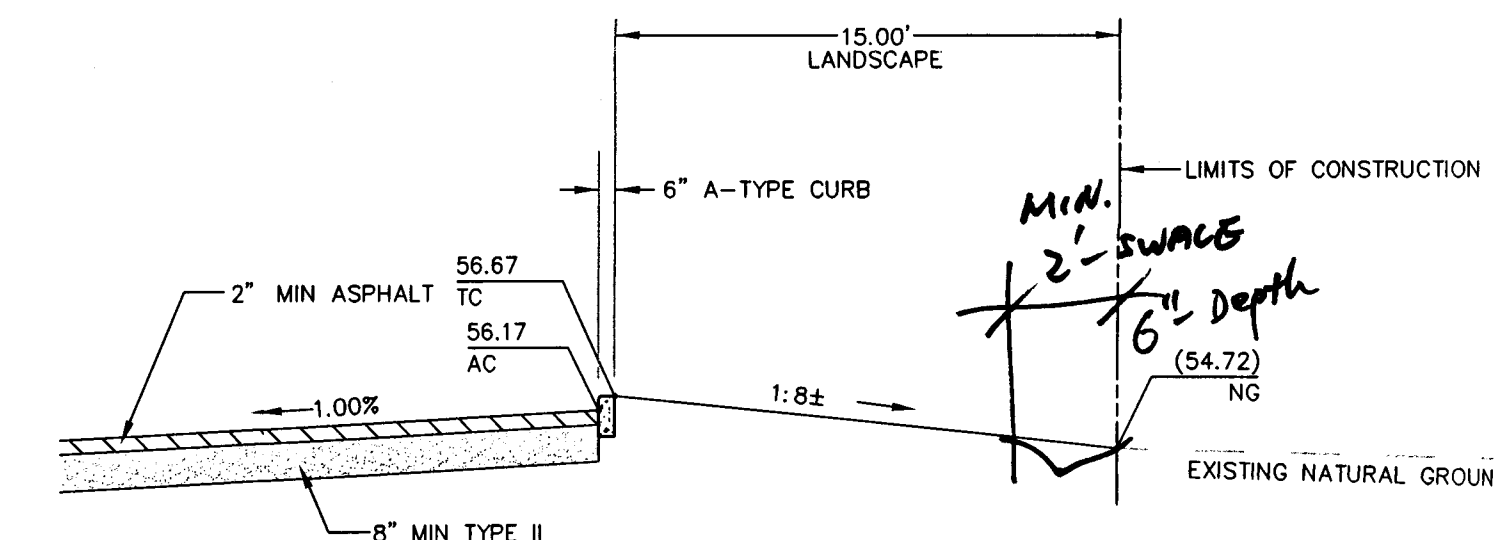
A CROSS-SECTION A
NOT TO SCALE



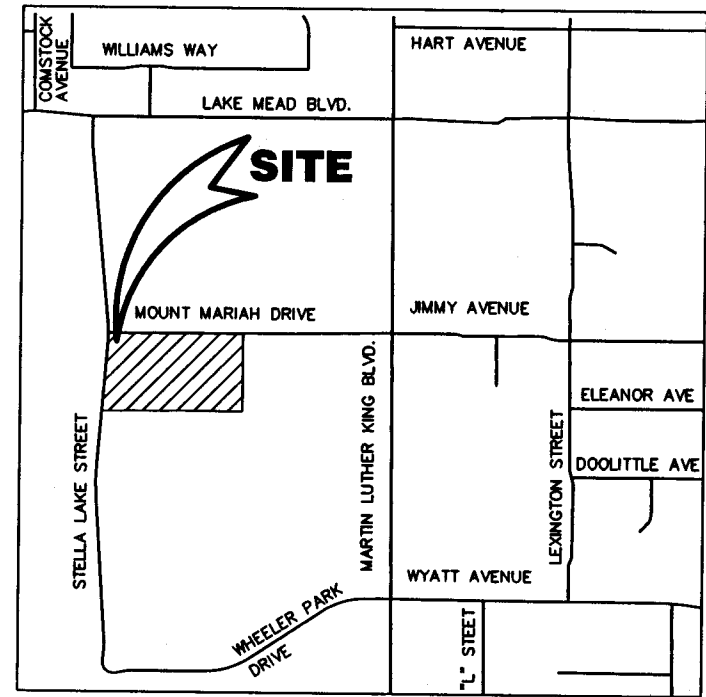
B CROSS-SECTION B
NOT TO SCALE



C CROSS-SECTION C
NOT TO SCALE



D CROSS-SECTION D
NOT TO SCALE

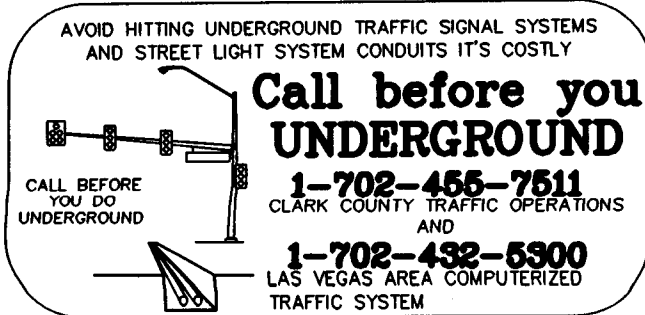


AREA MAP

N.T.S.

LEGEND

---	PROPERTY LINE
---	RIGHT OF WAY
---	CENTERLINE
---	AC CUTLINE
---	EXISTING CURB
---	PROPOSED CURB
---	EXISTING EDGE OF PAVEMENT
---	PROPOSED EDGE OF PAVEMENT
---	EXISTING BLOCK WALL
---	PROPOSED BLOCK WALL
---	CONTOUR LINE
---	EXISTING OVER HEAD POWER
---	ASPHALTIC CONCRETE
---	BACK OF CURB
---	BEGINNING OF CURB RADIUS
---	BACK OF WALK
---	CURB & GUTTER
---	CENTERLINE
---	CONCRETE
---	ELECTRICAL
---	END OF CURB RADIUS
---	EDGE OF PAVEMENT
---	EXISTING
---	FINISH GRADE
---	FLOW LINE
---	GRADE BREAK
---	HIGH POINT
---	INVERT
---	LINEAR FEET
---	LOW POINT
---	NATURAL GROUND
---	PROPERTY LINE
---	POLYVINYL CHLORIDE
---	POLYETHYLENE
---	STREET LIGHT
---	SEWER MANHOLE
---	SANITARY SEWER CLEANOUT
---	STATION
---	SIDEWALK
---	TOP OF CURB
---	TRASH ENCLOSURE
---	TOP OF FOOTING
---	TOP OF SLOPE
---	TOE OF SLOPE
---	TELEPHONE VAULT
---	TOP OF RETAINING WALL
---	TOP OF WALL
---	EXISTING GRADE
---	PROPOSED GRADE
---	EXISTING 100W STREET LIGHT



This grading plan is a
part of drainage study
4522 which was received
on 2/24/11 and App'd on
4/18/11. Page 3 of 3

10 NINE DESIGN GROUP
3579 RED ROCK STREET LAS VEGAS, NEVADA 89103
PHONE: (702) 870-7076 FAX: (702) 258-6326

DEVELOPER

CROSS SECTIONS

SHEET

1-24-2011

DRAWN BY:

DESIGNED BY:

CHECKED BY:

PROJECT NO.

124-10-698

SCALE

HORIZ: N/A

VERT: N/A

SHEET

C7

7 OF 9 SHEETS

SHEET

7 OF 9 SHEETS

SHEET

7 OF 9 SHEETS

