



REVISIONS
ADDENDUM #2, 05-10-01
ADD STORM DRAIN 08-15-01
GATE RELOCATION 10-15-01
AS-BUILT DRAWINGS



LOCHSA
ENGINEERING

5828 Spring Mountain Rd.
Suite 308
Las Vegas, Nevada, 89146
Phone (702) 365-9312
Fax (702) 365-9317

ELKHORN SPRINGS
NEIGHBORHOOD PARK
BUFFALO DRIVE
GRADING PLAN
(3 OF 3)

STAMP

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
ARCHITECTURAL SERVICES

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN: MHP

FILE: 6464GP3.DWG

DATE: MARCH 9, 2001

SCALE: 1"=30'

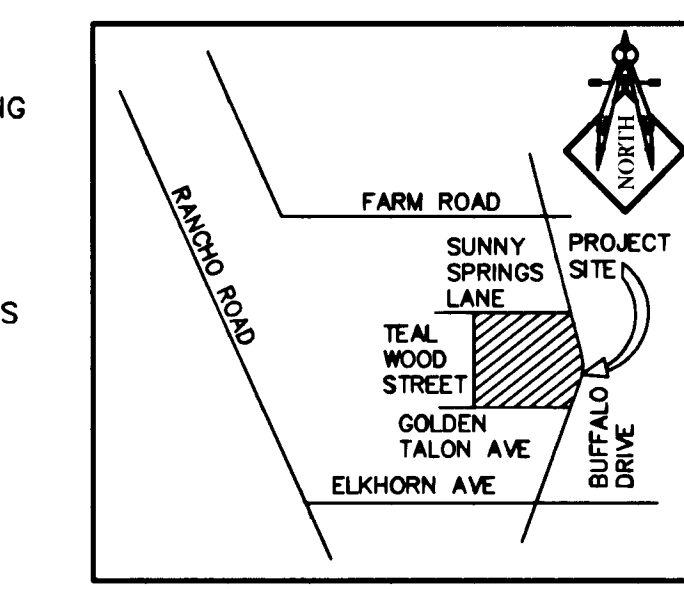
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ALY DWG NO: 650.64

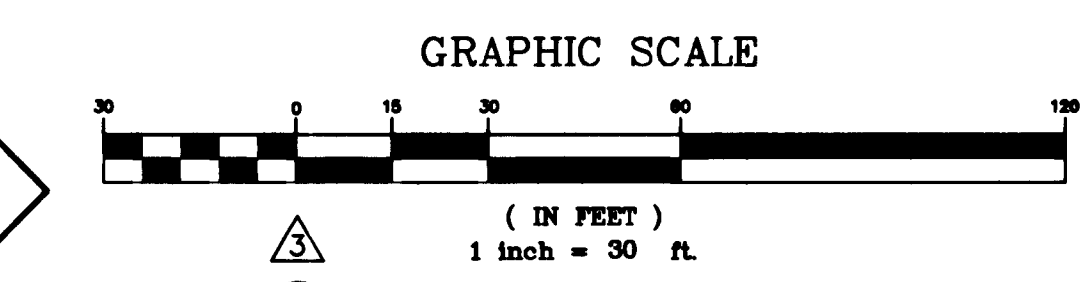
13 OF 90

SHEET NO

C4.3



AREA MAP
NO SCALE



GRAPHIC SCALE
(IN FEET)
1 inch = 30 ft.

APN: 125-16-711-002, 125-16-813-003

BASIS OF BEARING

S 23°07'07" E BEING THE CENTERLINE OF BUFFALO DRIVE AS PER PLAT BOOK 74, PAGE 1 OF CLARK COUNTY OFFICIAL RECORDS.

BENCHMARK

CITY OF LAS VEGAS STATION #1LV90 22W6, BEING A RIVET AND PLATE ON POWER-TRANS PAD, 7535 W. DEER SPRINGS ROAD, 500' E OF BUFFALO DRIVE.

ELEV: 2388.00' NAVD88

GRADING NOTES

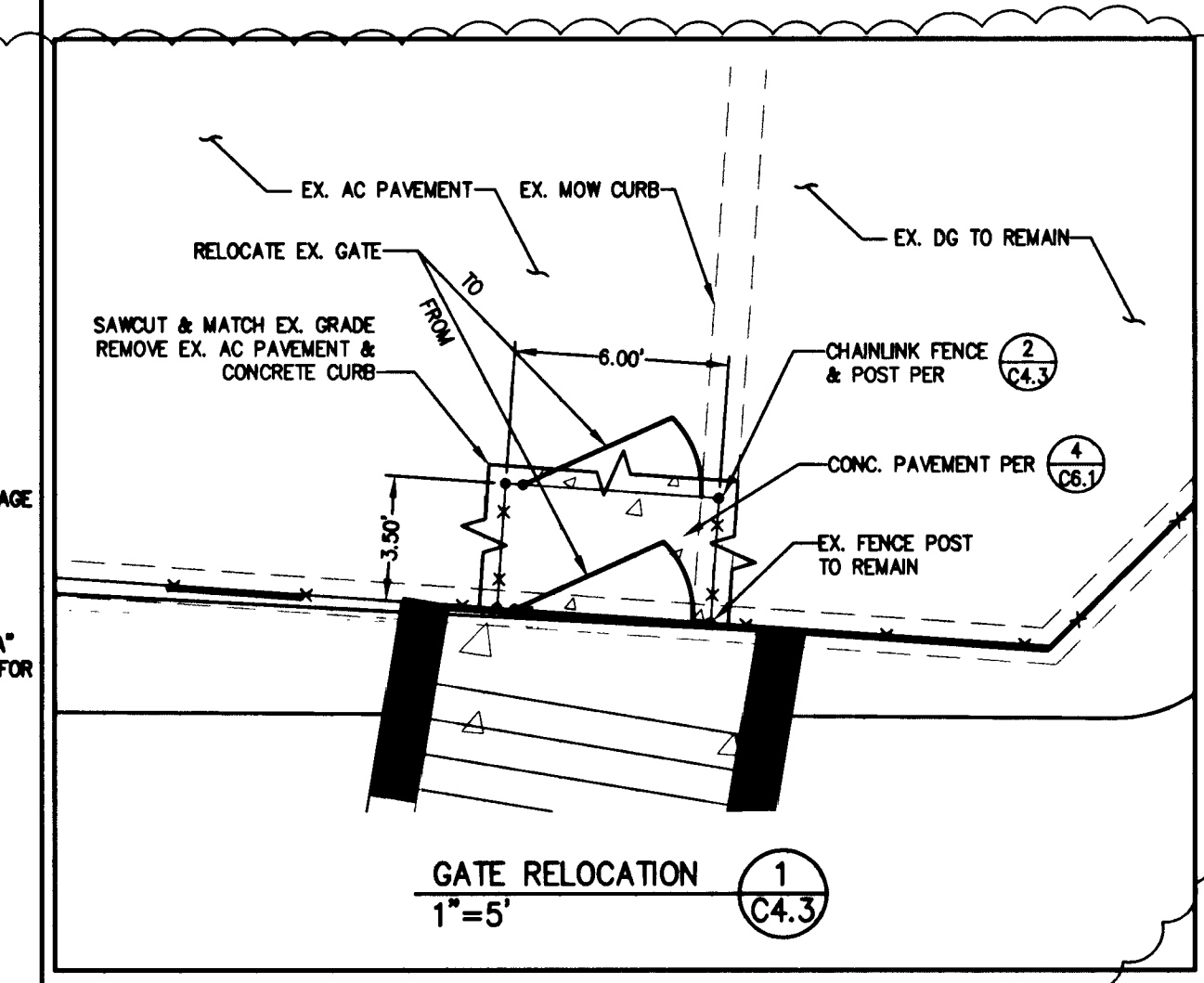
1. SLOPES 4:1 OR STEEPER AND FINE-GRAINED MATERIALS THAT HAVE BEEN DISTURBED (SANDY AND SILTY MATERIALS) SHOULD BE PROTECTED WITH BURLAP OR OTHER EROSION CONTROL FABRIC/MATERIAL, UNLESS OTHERWISE SPECIFIED BY LANDSCAPE DRAWINGS AND SPECIFICATIONS OR THE SOILS REPORT.
2. CONTRACTOR SHALL DETERMINE HIS OWN FOOTING OR BASEMENT EXCAVATION QUANTITIES, EVEN THOUGH SHOWN ON ROUGH GRADING PLANS. ADDITIONALLY, STRUCTURE BACKFILL COSTS SHOULD BE INCLUDED IN THE COST OF THE STRUCTURE, UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.
3. CONTRACTOR SHALL NOTIFY LOCHSA ENGINEERING WITHIN 24 HOURS OF OMISSIONS AND ERRORS DISCOVERED ON PLANS. LOCHSA ENGINEERING WILL NOT BE RESPONSIBLE FOR ANY "CORRECTIVE" WORK DONE BY OTHERS.
4. CONTRACTOR TO ENSURE POSITIVE DRAINAGE. NO PONDING ALLOWED.
5. CONTRACTOR TO FOLLOW RECOMMENDATIONS AS OUTLINED IN THE PROJECT GEOTECHNICAL REPORT, INCLUDING BUT NOT LIMITED TO EXCAVATION, GRADING AND COMPACTION. REFER TO GEOTECHNICAL EVALUATION ELKHORN SPRINGS PARK, PROJECT NUMBER 300679-01 DATED JANUARY 8, 2001 PREPARED BY NINYO AND MOORE GEOTECHNICAL AND ENVIRONMENTAL SCIENCES CONSULTANTS.
6. SLOPES SHALL BE STABILIZED PER LANDSCAPE ARCHITECTURAL DRAWINGS PREPARED BY J.W. ZUNINO AND ASSOCIATES.
7. REFER TO L1.1 FOR MORE DETAILED BERMING.

CONSTRUCTION NOTES

- 1 SAWCUT AND MATCH EXISTING A.C. PAVEMENT.
- 2 MATCH EXISTING GRADE.
- 3 CONSTRUCT "L" TYPE CURB AND GUTTER PER DETAIL C6.1
- 4 CONSTRUCT "A" TYPE CURB PER DETAIL C6.1
- 5 CONSTRUCT CONCRETE SIDEWALK PER DETAIL C6.1
- 6 NOT USED
- 7 CONSTRUCT COMMERCIAL DRIVEWAY PER STD. DWG. NO. 222A.
- 8 INSTALL A.C. PAVEMENT PER DETAIL C6.1
- 9 CONSTRUCT SIDEWALK ACCESS RAMP PER DETAIL C6.1
- 10 NOT USED
- 11 NOT USED
- 12 CONSTRUCT CONCRETE STAIRS PER DETAIL C6.1
- 13 CONSTRUCT CONCRETE SECTION PER DETAIL C6.1
- 14 NOT USED
- 15 CONSTRUCT 8" CROSS GUTTER PER DETAIL C6.1
- 16 CONSTRUCT 12" WIDE CONCRETE ACCESS ROAD SEE DETAIL AND SHEET C4.4 FOR ACCESS ROAD PLAN AND PROFILE.
- 17 REFERENCE SHEET C4.6 FOR 24" RCP STORM DRAIN PROFILE.
- 18 REFERENCE SHEET C4.5 FOR 12" PVC STORM DRAIN PROFILE.
- 19 NOT USED
- 20 INSTALL CONCRETE HEADWALL PER DETAIL C6.2
- 21 PROPOSED SEATING WALL - SEE L.S. DWGS FOR DETAILS.
- 22 PROPOSED MOW CURB - SEE L.S. DWGS FOR DETAILS.

EARTHWORK QUANTITIES

1. ESTIMATED EARTHWORK QUANTITIES TO ROUGH GRADE EXCLUDING SHRINKAGE AND SUBSIDENCE ARE AS FOLLOWS:
800 C.Y. FILL
26,000 C.Y. CUT
25,200 C.Y. EXPORT
2. THE CONTRACTOR SHALL VERIFY ALL EARTHWORK CALCULATIONS AND BASE ALL BIDS ON HIS OWN CALCULATIONS.



GATE RELOCATION
1"=5'

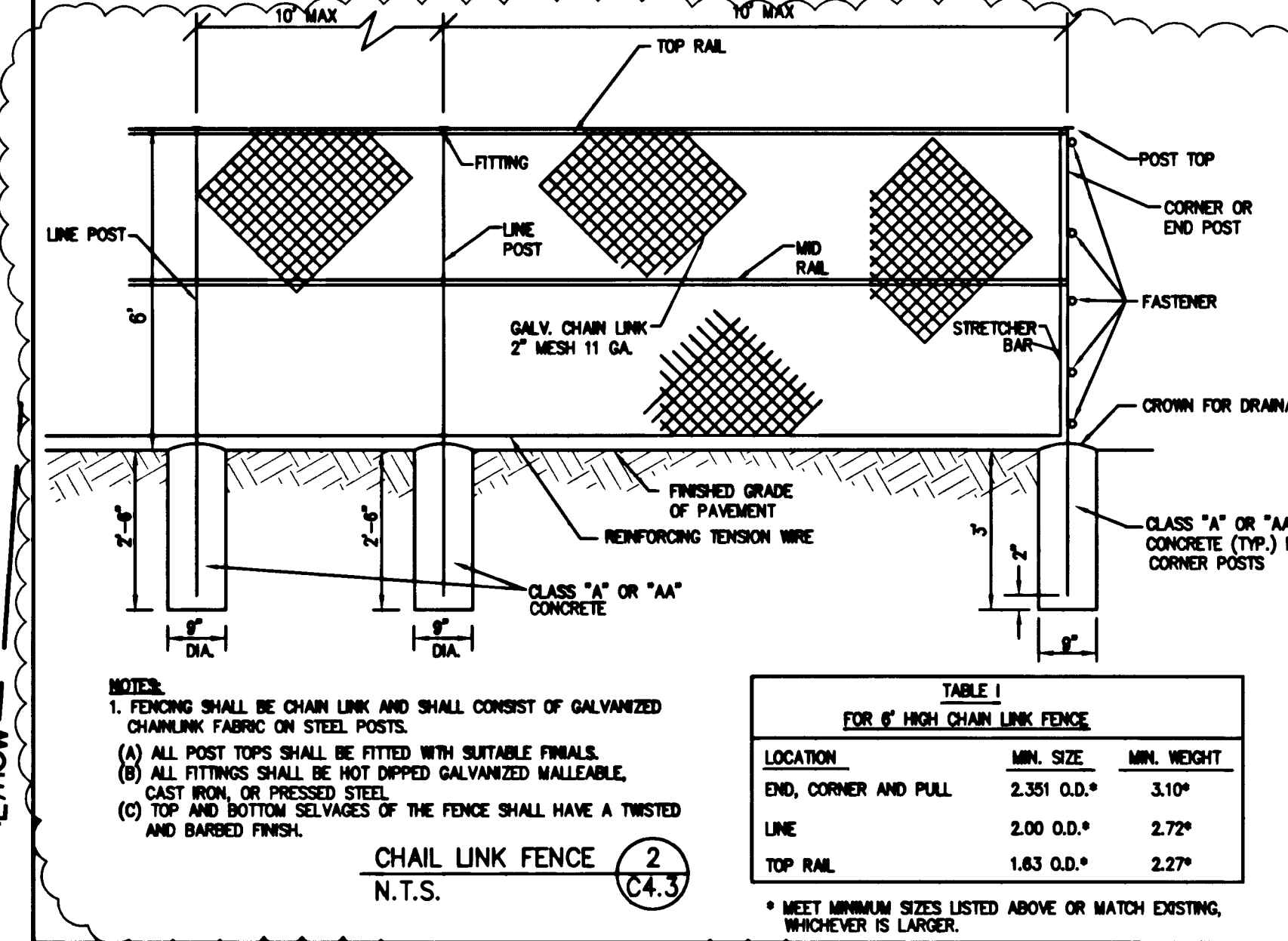
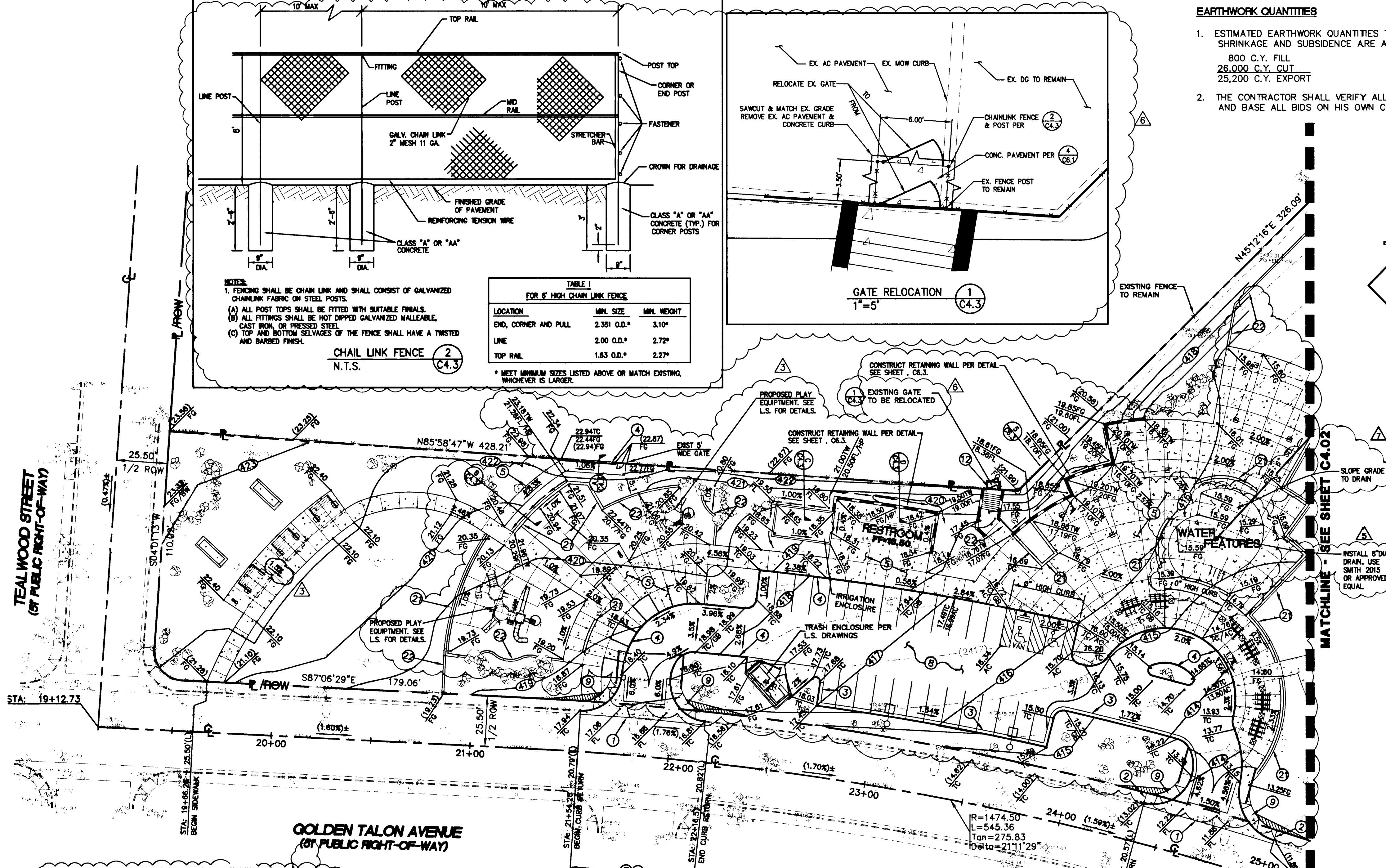
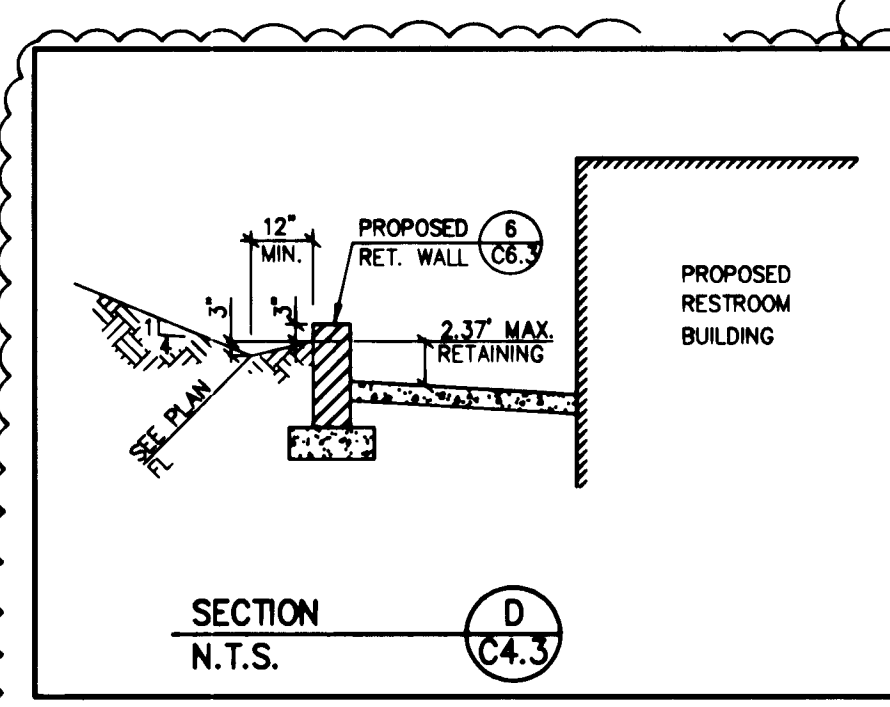


TABLE 1 FOR 6' HIGH CHAIN LINK FENCE		
LOCATION	MIN. SIZE	MIN. WEIGHT
END, CORNER AND PULL	2.351 O.D.*	3.10"
LINE	2.00 O.D.*	2.72"
TOP RAIL	1.83 O.D.*	2.27"

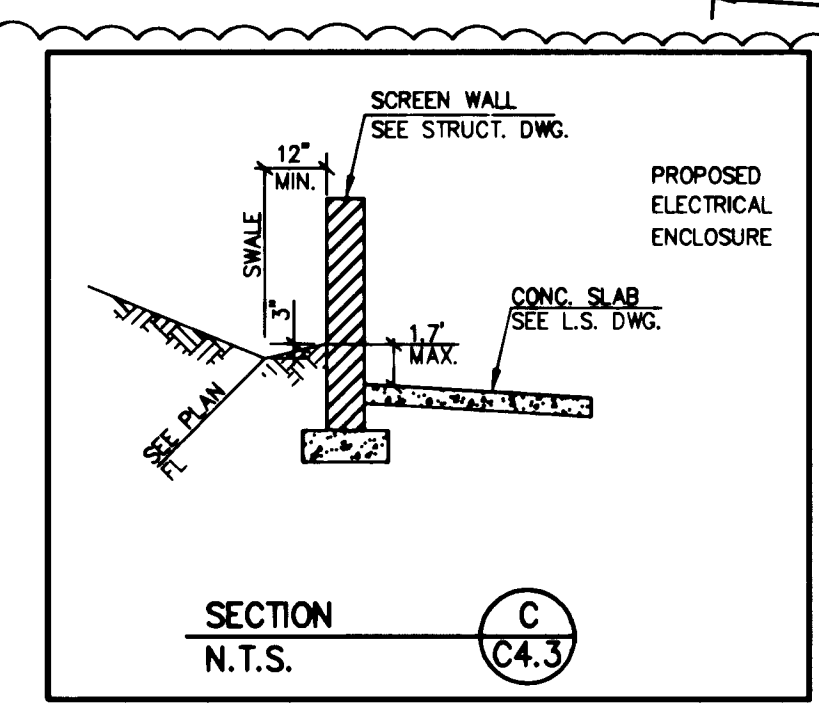
NOTES:
1. FENCING SHALL BE CHAIN LINK AND SHALL CONSIST OF GALVANIZED CHAINLINK FABRIC ON STEEL POSTS.
(A) ALL POST TOPS SHALL BE FITTED WITH SUITABLE FINIALS.
(B) ALL FITTINGS SHALL BE HOT DIPPED GALVANIZED MALLEABLE.
(C) TOP AND BOTTOM SELVAGES OF THE FENCE SHALL HAVE A TWISTED AND BARBED FINISH.
CHAIN LINK FENCE
N.T.S.



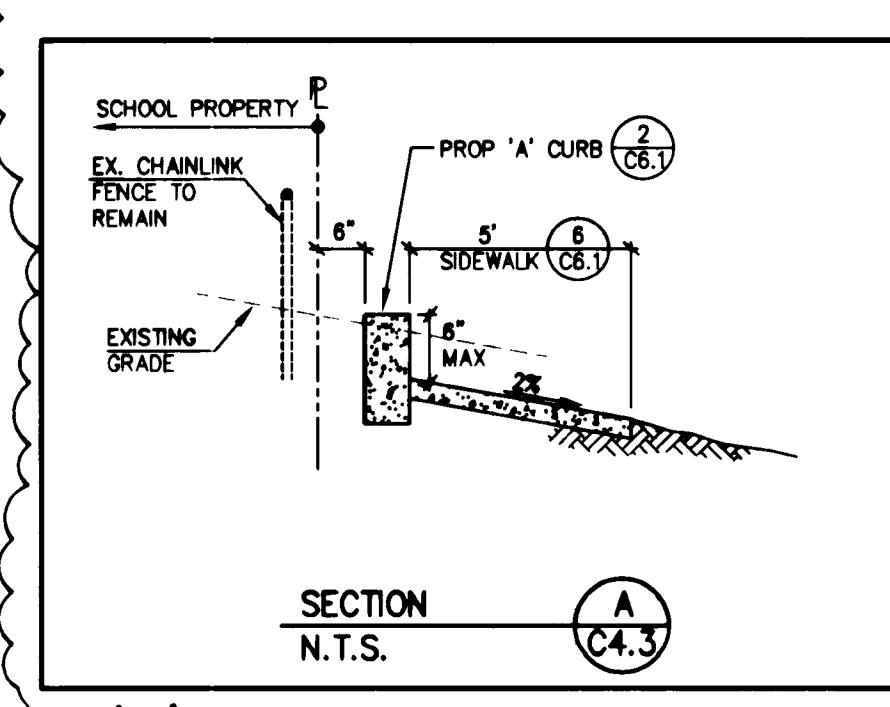
GOLDEN TALON AVENUE
(BY PUBLIC RIGHT-OF-WAY)



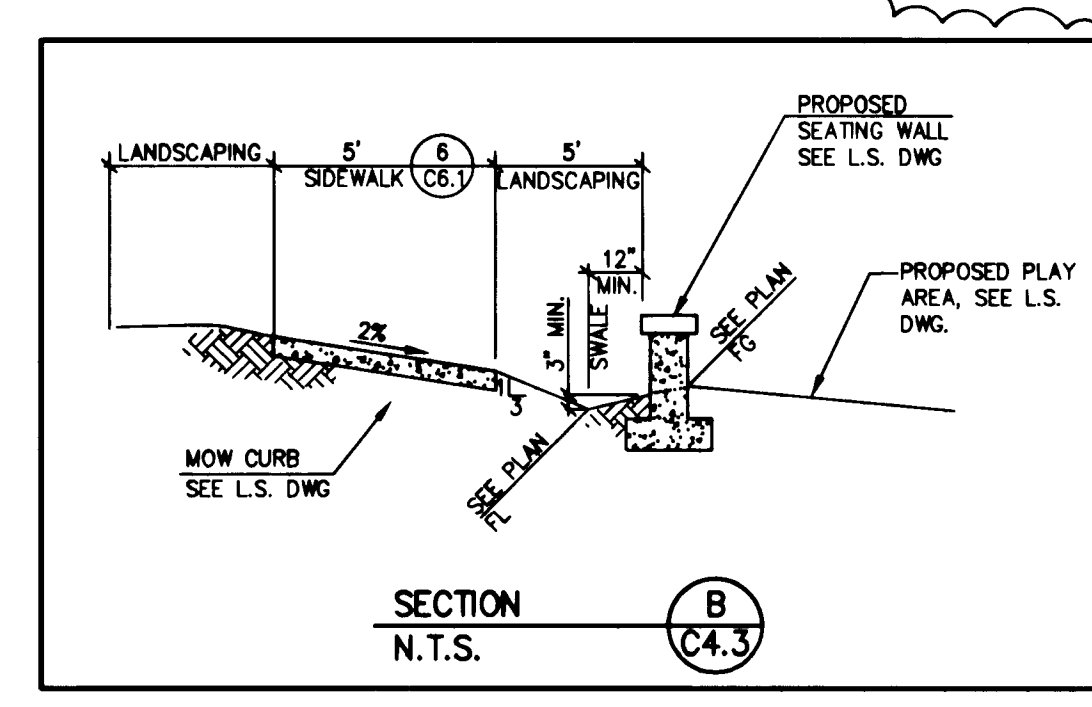
SECTION D
N.T.S.



SECTION C
N.T.S.



SECTION A
N.T.S.



SECTION B
N.T.S.

AS-BUILT
DRAWING

This record drawing, dated February 25, 2002, has been prepared, in part, based upon information furnished by others. While this information is believed to be reliable, Lochsa Engineering, cannot assure its accuracy, and thus is not responsible for the accuracy of this record drawing or for any errors or omissions which may have been incorporated into it as a result. Those relying on this record document are advised to obtain independent verification of its accuracy before applying it for any purpose.

LEGEND	
EXISTING	PROPOSED
---	RIGHT-OF-WAY
---	CENTERLINE
---	PROPERTY LINE
---	SAW-CUT LINE
---	WATER LINE
---	SANITARY SEWER LINE
---	GAS LINE
---	STORM DRAIN
---	POWER LINE/POWER POLE
---	TELEPHONE LINE
---	WATER VALVE
---	METERS/PULL BOXES
---	REDUCER
---	MANHOLE
---	CLEANOUT
---	CONTOUR
---	A.C. PAVING
---	TYPE "L" CURB & GUTTER
---	TYPE "A" CURB
---	CONCRETE
---	OVERHEAD POWER
---	RETAINING WALL
---	FENCE
---	SCARP
---	GRADE BREAK
---	FINISH FLOOR
---	CLEANOUT INVERT ELEV.
---	FLOW DIRECTION
---	FINISH GRADE
---	TOP OF CURB
---	TOP OF WALL
---	GATE
---	SIGN
---	STREET LIGHTS
---	100 W.H.P.S.
---	150 W.H.P.S.
---	200 W.H.P.S.
---	250 W.H.P.S.

Call before you Dig
1-800-227-2600
(NEVADA SERVICE ALERT CALL)

Call before you Overhead
1-702-593-6111
(NEVADA SERVICE ALERT CALL)

LOCHSA ENGINEERING ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. IT IS, HOWEVER, THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. IF A CONFLICT EXISTS BETWEEN WHAT IS SHOWN ON THESE DRAWINGS AND WHAT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE ARCHITECT, OWNER'S REPRESENTATIVE OR ENGINEER IMMEDIATELY.