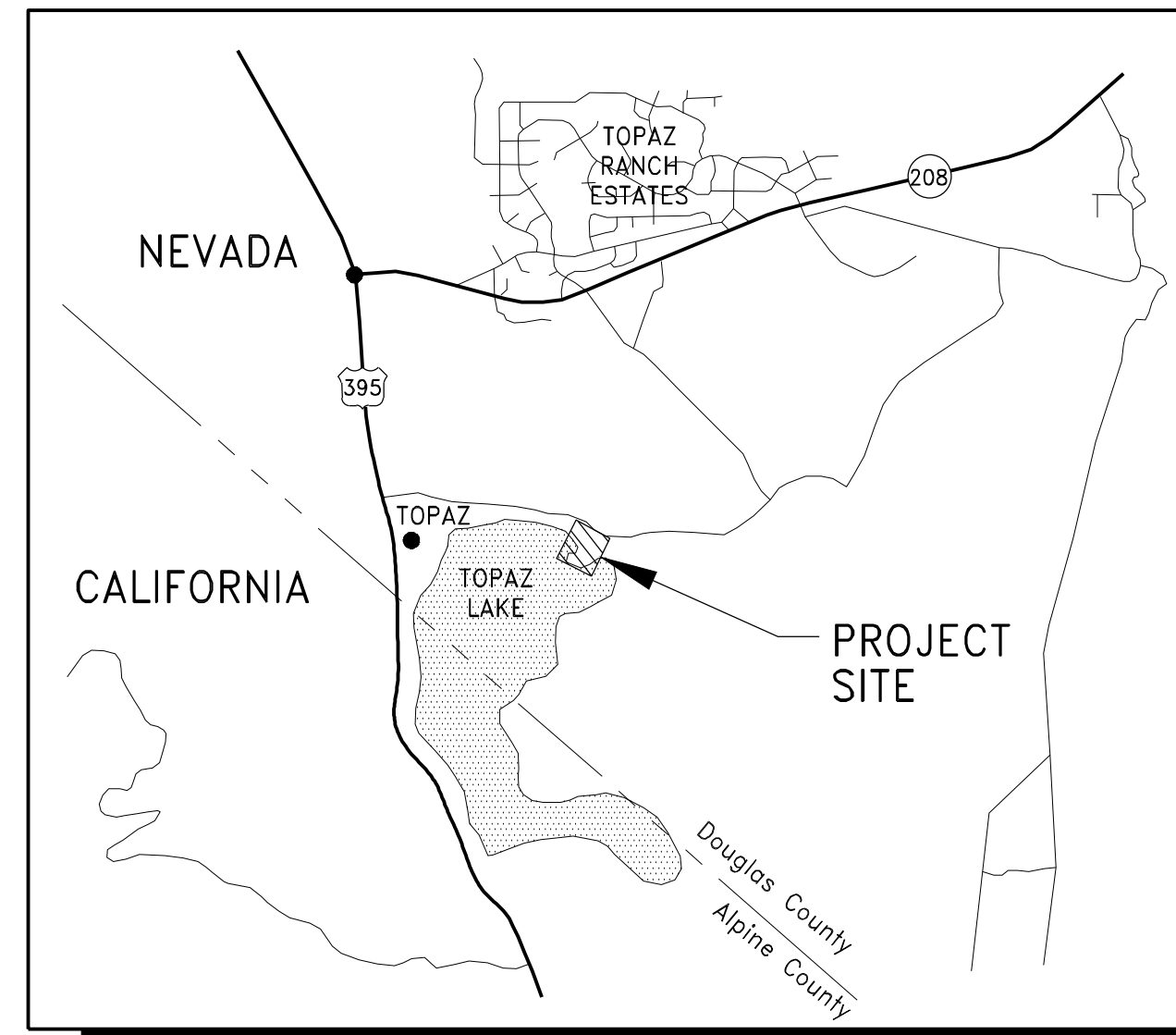


IMPROVEMENT PLANS FOR
DOUGLAS COUNTY
PARKS AND RECREATION DEPARTMENT
TOPAZ LAKE BOAT RAMP IMPROVEMENTS
 DOUGLAS COUNTY, NEVADA



OWNER:
 DOUGLAS COUNTY
 PARKS AND RECREATION DEPARTMENT
 1329 Waterloo Lane, Lampe Park
 Gardnerville, NEVADA 89410



SITE PLAN
 N.T.S.

DESIGN ENGINEER:

WOOD RODGERS
 BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
 1961 Corporate Blvd Tel 775.823.4088
 Reno, NV 89502 Fax 775.823.4086

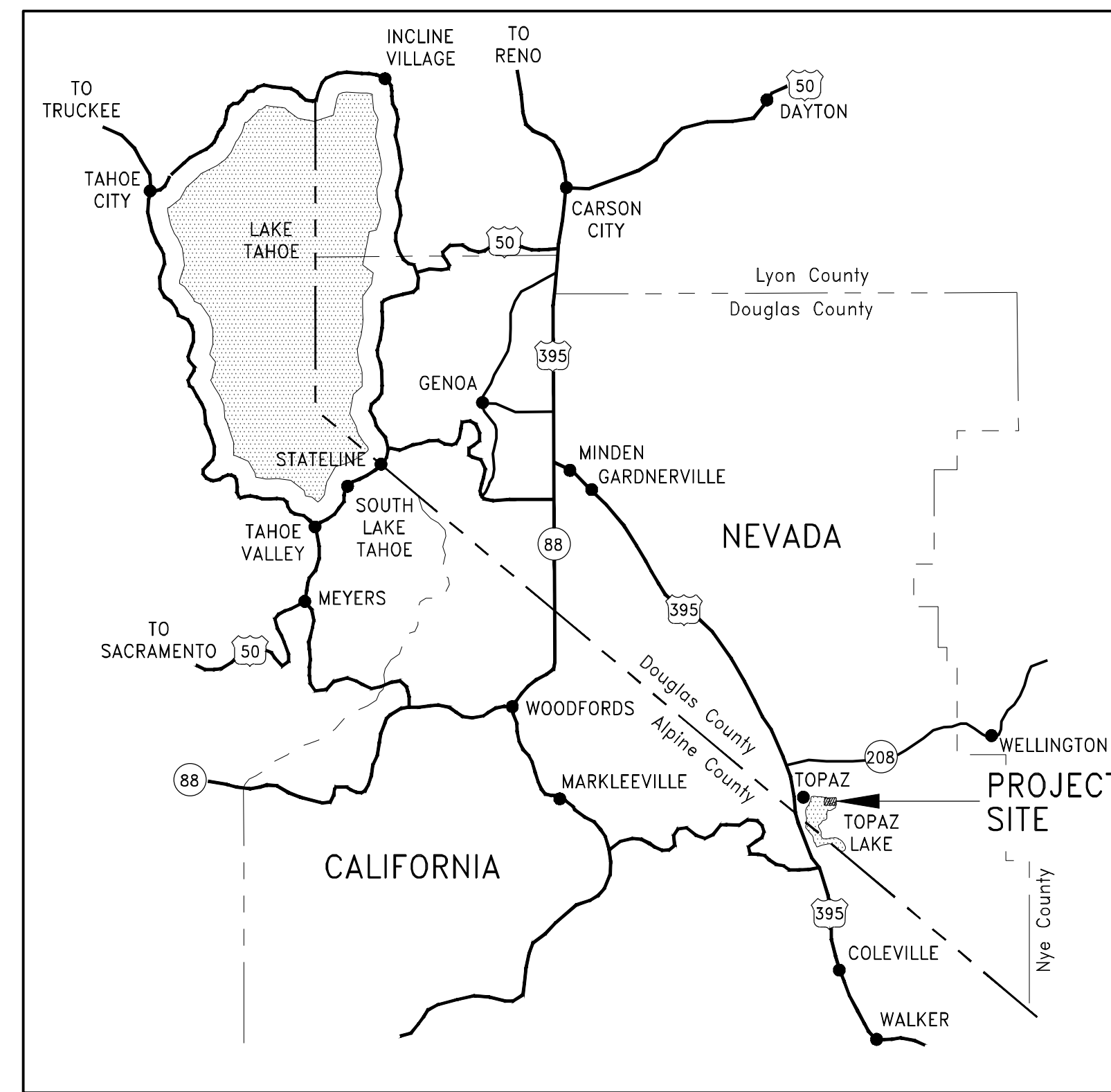
DATE: AUGUST, 18, 2021
 SCALE: HINTS V:
 DRAWN BY: TMS
 DESIGNED BY: MAC
 CHECKED BY: MAC



WOOD RODGERS
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 1961 Corporate Boulevard
 Reno, NV 89502
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SHEET INDEX

SHT No.	DWG ID	DRAWING DESCRIPTION
1	T1.0	TITLE
2	N1.0	NOTES, LEGEND AND ABBREVIATIONS
3	C1.0	SITE PLAN
4	D1.0	DETAILS



VICINITY MAP
 N.T.S.

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DOUGLAS COUNTY AND THE DESIGN CONSULTANT HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DOUGLAS COUNTY OR THE DESIGN CONSULTANT.

UNAUTHORIZED CHANGES & USES: THE DESIGN CONSULTANT PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

2 working days
 Call before you Dig.
 1-800-227-2600

IMPROVEMENT PLANS FOR
TOPAZ LAKE BOAT RAMP IMPROVEMENTS
 TITLE SHEET
 DOUGLAS COUNTY
 NEVADA

PROJECT NO.
 8063.015
 DRAWING
T1.0
 SHT 1 OF 4

GENERAL NOTES

- ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" (ORANGE BOOK) LATEST EDITION INCLUDING ALL ADDENDA, REVISIONS, SPECIAL PROVISIONS AND THESE PLANS.
- THE CONTRACTOR SHALL PURSUE THE WORK IN A CONTINUOUS AND DILIGENT MANNER, CONFORMING TO ALL THE PERTINENT SAFETY REGULATIONS, TO INSURE A TIMELY COMPLETION OF THE PROJECT.
- ALL EXISTING UTILITY LOCATIONS, SIZES, AND DESCRIPTIONS AS SHOWN ON THESE DRAWINGS ARE FROM SURFACE OBSERVATIONS USED IN CONJUNCTION WITH AVAILABLE RECORDS, REFERENCE MAPS, DRAWINGS, AND VERBAL STATEMENTS SUPPLIED BY UTILITY COMPANIES, AND MAY NOT BE WHOLLY ACCURATE OR RELIABLE. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES WHICH MAY BE AFFECTED BY THE WORK TO OBTAIN ASSISTANCE IN THE LOCATION OF EXISTING MAINS AND SERVICE CONNECTIONS. THE CONTRACTOR SHALL ALSO CALL U.S.A. (800) 227-2600 PRIOR TO BEGINNING WORK. ANY DAMAGE TO UTILITIES CAUSED BY OPERATION OF THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER, A LIST OF ALL UTILITY APPURTENANCES ENCOUNTERED DURING CONSTRUCTION INCLUDING LOCATION.
- SHOULD ANY PREHISTORIC OR HISTORIC REMAINS/ARTIFACTS BE DISCOVERED DURING SITE DEVELOPMENT, WORK SHALL TEMPORARILY BE HALTED AT THE SPECIFIC SITE AND THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
- ALL DIMENSIONS AND DISTANCES ARE TO BACK FACE OF CURB, CURB RETURN, FACE OF BUILDING, FACE OF WALL, FLOW LINE, PROPERTY LINE, CENTER OF STRIPING, CENTER LINE OF PIPE, OR END OF IMPROVEMENTS.
- THE CONTRACTOR SHALL, AT ALL TIMES DURING CONSTRUCTION, PROTECT FROM DAMAGE EXISTING IMPROVEMENTS ON AND AROUND THE SITE, INCLUDING, BUT NOT LIMITED TO, PAVEMENT, CURB & GUTTER, SIDEWALK, LANDSCAPING, SIGNAGE, STORM & SANITARY SEWERS, AND ALL UTILITIES. THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR THE REPAIR OF ANY IMPROVEMENTS (EXISTING OR PROPOSED) DAMAGED THROUGHOUT THE COURSE OF CONSTRUCTION. THERE SHALL BE NO DIRECT PAYMENT FOR THIS WORK UNLESS OTHERWISE INDICATED.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF DISCREPANCIES BETWEEN THE INFORMATION SHOWN ON THESE DRAWINGS AND THE CONDITIONS EXISTING IN THE FIELD. THE CONTRACTOR SHALL COMPARE ALL DRAWINGS AND VERIFY THE FIGURES BEFORE LAYING OUT THE WORK AND WILL BE RESPONSIBLE FOR ANY ERRORS WHICH MIGHT HAVE BEEN AVOIDED THEREBY. IF THE CONTRACTOR FAILS TO NOTIFY THE OWNER OR THEIR REPRESENTATIVE IN A TIMELY MANNER OF ANY APPARENT ERROR OR OMISSION ON THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING WORK INCORRECTLY DONE AT THE CONTRACTOR'S EXPENSE.
- PAYMENT FOR WORK SHOWN ON THESE PLANS EITHER SPECIFIED OR INFERRED, BUT NOT INCLUDED IN THE BID PROPOSAL SHALL BE CONSIDERED AS INCLUDED IN THE PRICE PAID FOR OTHER ITEMS OF WORK.
- EXISTING DRAINAGE FACILITIES SHALL BE KEPT IN SERVICE AT ALL TIMES DURING CONSTRUCTION.
- THE USE OF POTABLE WATER FROM THE PUBLIC WATER SYSTEM FOR CONSTRUCTION PURPOSES IS PROHIBITED.
- DURING THE ENTIRE DURATION OF THIS CONSTRUCTION CONTRACT, THE CONTRACTOR SHALL IMPLEMENT STRINGENT DUST CONTROL MEASURES IN ACCORDANCE WITH THE TERMS OF THE APPROVED DUST CONTROL PERMIT AND DOUGLAS COUNTY HEALTH DEPARTMENT RULES AND REGULATIONS. THE CONTRACTOR IS REQUIRED TO SUPPRESS DUST AT ALL TIMES, 24 HOURS A DAY, SEVEN (7) DAYS A WEEK, REGARDLESS OF WHEN CONSTRUCTION ACTIVITIES ARE OCCURRING.
- PRIOR TO THE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL PREPARE A PROJECT SPECIFIC SWPPP AND BMP PLAN TO CONTROL AND MITIGATE POTENTIAL POINT SOURCE INPUTS OF POLLUTANTS INTO A WATERBODY IN ACCORDANCE WITH ENVIRONMENTAL PERMIT CONDITIONS. CONTRACTOR SHALL SUBMIT SAID PLAN TO DOUGLAS COUNTY FOR APPROVAL AND SHALL IMPLEMENT ANY SUCH BMPs PRIOR TO COMMENCEMENT OF WORK.
- CONTRACTOR SHALL REVIEW AND COMPLY WITH VARIOUS ENVIRONMENTAL PERMIT CONDITIONS FOR THIS PROJECT. CONTRACTOR SHALL REQUEST PERMIT CONDITIONS FROM DOUGLAS COUNTY AND ENSURE CONSTRUCTION COMPLIANCE THROUGHOUT CONSTRUCTION.

LEGEND

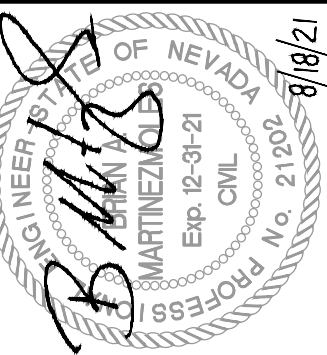
EXISTING	PROPOSED	DESCRIPTION
		DRAIN MANHOLE SEWER MANHOLE
		DRAIN LINE AND SIZE
		CATCH BASIN
		SEWER LINE AND SIZE
		CLEAN OUT
		SEWER SERVICE
		WATER LINE AND SIZE
		RECLAIMED WATER LINE AND SIZE
		WATER LINE REDUCER
		WATER SERVICE
		RECLAIMED WATER IRRIGATION SERVICE
		WATER GATE VALVE
		FIRE HYDRANT
		AIR RELEASE VALVE
		FLUSH VALVE ASSEMBLY
		GAS, TELEPHONE OR ELECTRIC
		STREET LIGHT
		30" R1 SIGN (STOP)
		TRAFFIC SIGN AS NOTED
		CHAIN LINK FENCE
		CHAIN LINK GATE
		DRIVEWAY
		SIDEWALK RAMP
		PROPERTY LINE
		MONUMENT
		TREE TO BE REMOVED/RELOCATED
		SPOT ELEVATION
		WALL HEIGHTS TW=TOP OF WALL BW=BOTTOM OF WALL
		HEIGHT OF WALL

ABBREVIATIONS

AB	AGGREGATE BASE
AC	ASPHALT CONCRETE PAVEMENT
AVRV	AIR VACUUM RELIEF VALVE
BC	BEGIN CURVE
BM	BENCH MARK
BVC	BEGIN VERTICAL CURVE
BOW	BACK OF WALK
BW	BOTTOM OF WALL
CB	CATCH BASIN
CL	CENTER LINE
CONST	CONSTRUCT
CR	CURB RETURN
CT	COURT
DIP	DUCTILE IRON PIPE
SDMH	STORM DRAIN MANHOLE
DR	DRIVE
E	EAST
EC	END CURVE
ELEV	ELEVATION
EP	EDGE OF PAVEMENT
EX	EXISTING
EXIST	EXISTING
EVC	END OF VERTICAL CURVE
FES	FLARED END SECTION
FG	FINISH GRADE ELEVATION
FH	FIRE HYDRANT
FL	FLOW LINE
FLG	FLANGE
FM	FORCE MAIN
FVA	FLUSH VALVE ASSEMBLY
GR	GRATE
GB	GRADE BREAK
GV	GATE VALVE
HP	HIGH POINT
HDPE	HIGH DENSITY POLYETHYLENE
INV	INVERT
JP	JOINT POLE
L	LEFT
LF	LINEAR FEET
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MON	MONUMENT
N	NORTH
PCC	POINT OF COMPOUND CURVE
PI	POINT OF INTERSECTION
PIVC	POINT OF INTERSECTION VERTICAL CURVE
PL	PROPERTY LINE
PP	POWER POLE
R, R=	RADIUS
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
PRC	POINT OF REVERSE CURVATURE
PVC	POINT OF VERTICAL CURVE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENT
RCW	RECLAIMED WATER
R	RIGHT
RW	RIGHT OF WAY
S	SOUTH
SE	SANITARY SEWER EASEMENT
SHT	SHEET
STA	STATION
SS	SANITARY SEWER SERVICE
SSMH	SANITARY SEWER MANHOLE
SW	SIDEWALK
T	TANGENT
TBC,TC	TOP BACK OF CURB
TYP	TYPICAL
TP	TELEPHONE POLE
TW	TOP OF WALL
W	WEST
WM	WATER MAIN

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DATE: AUGUST, 18, 2021
SCALE: H:NITS
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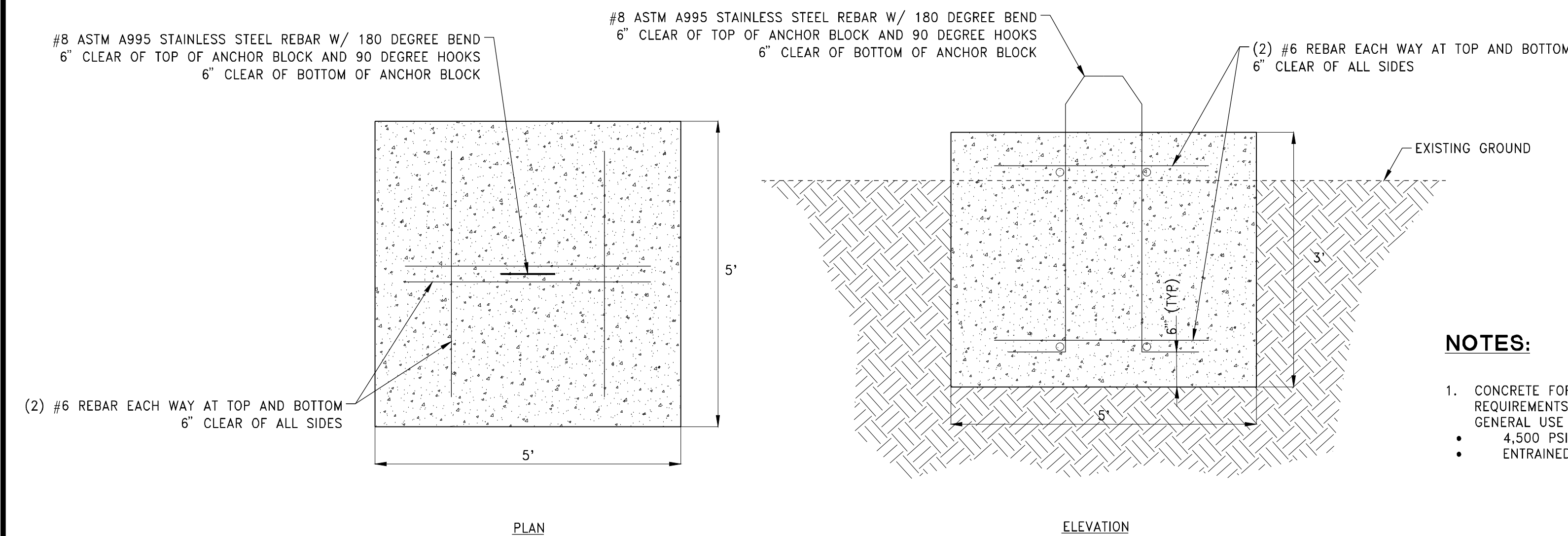
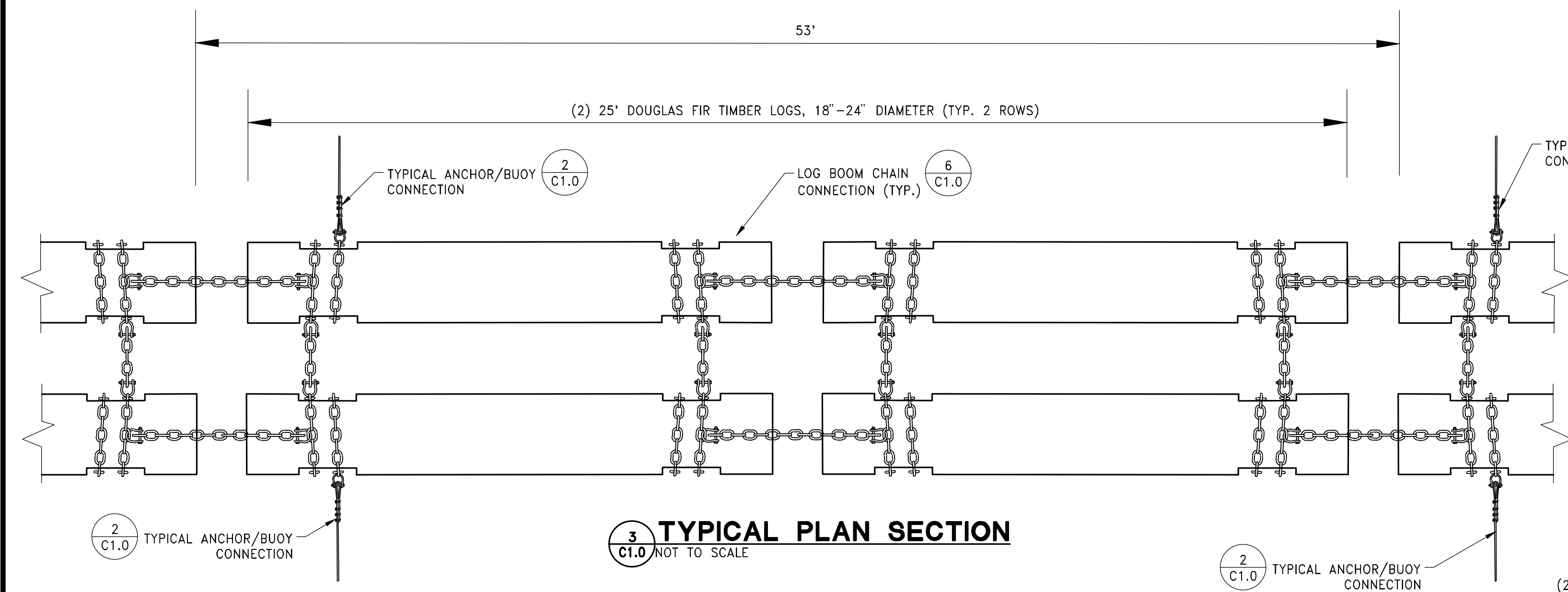
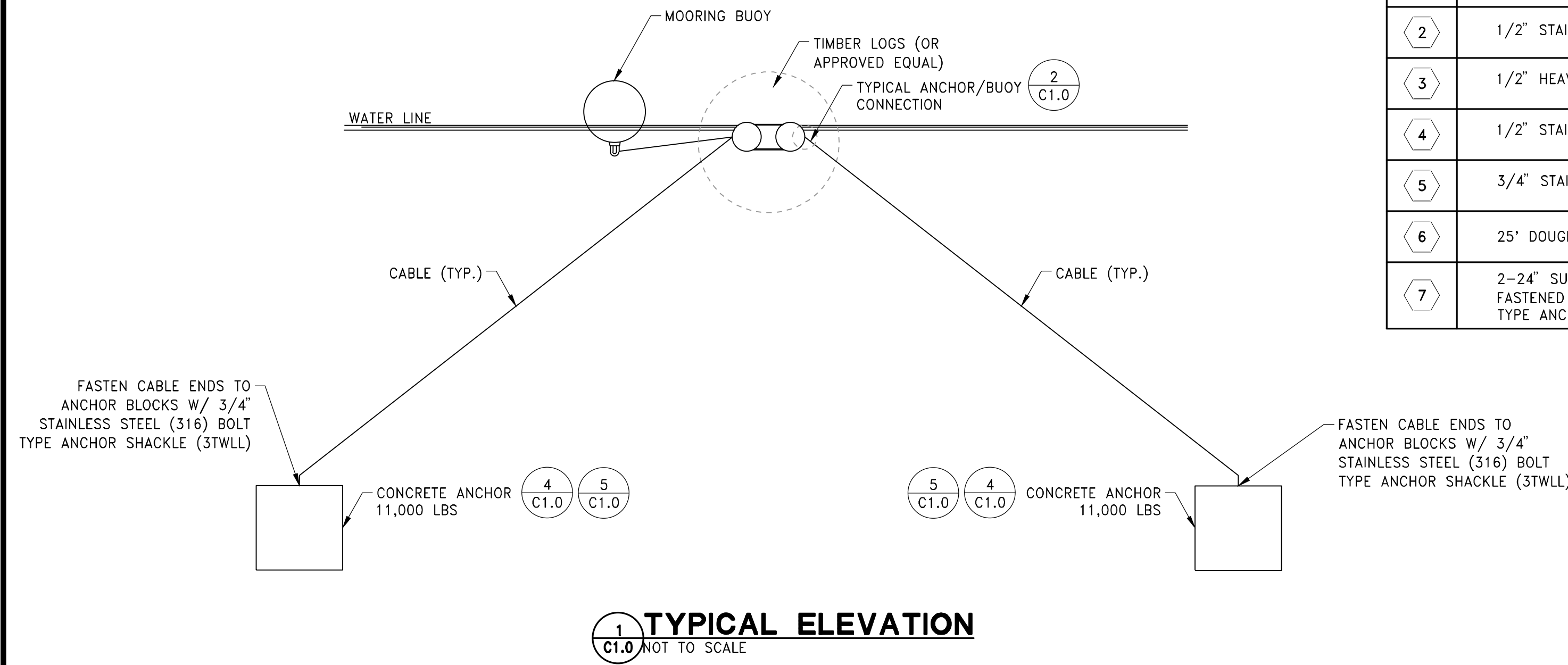


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IMPROVEMENT PLANS FOR
**TOPAZ LAKE
BOAT RAMP IMPROVEMENTS**
NOTES AND ABBREVIATIONS
DOUGLAS COUNTY
NEVADA

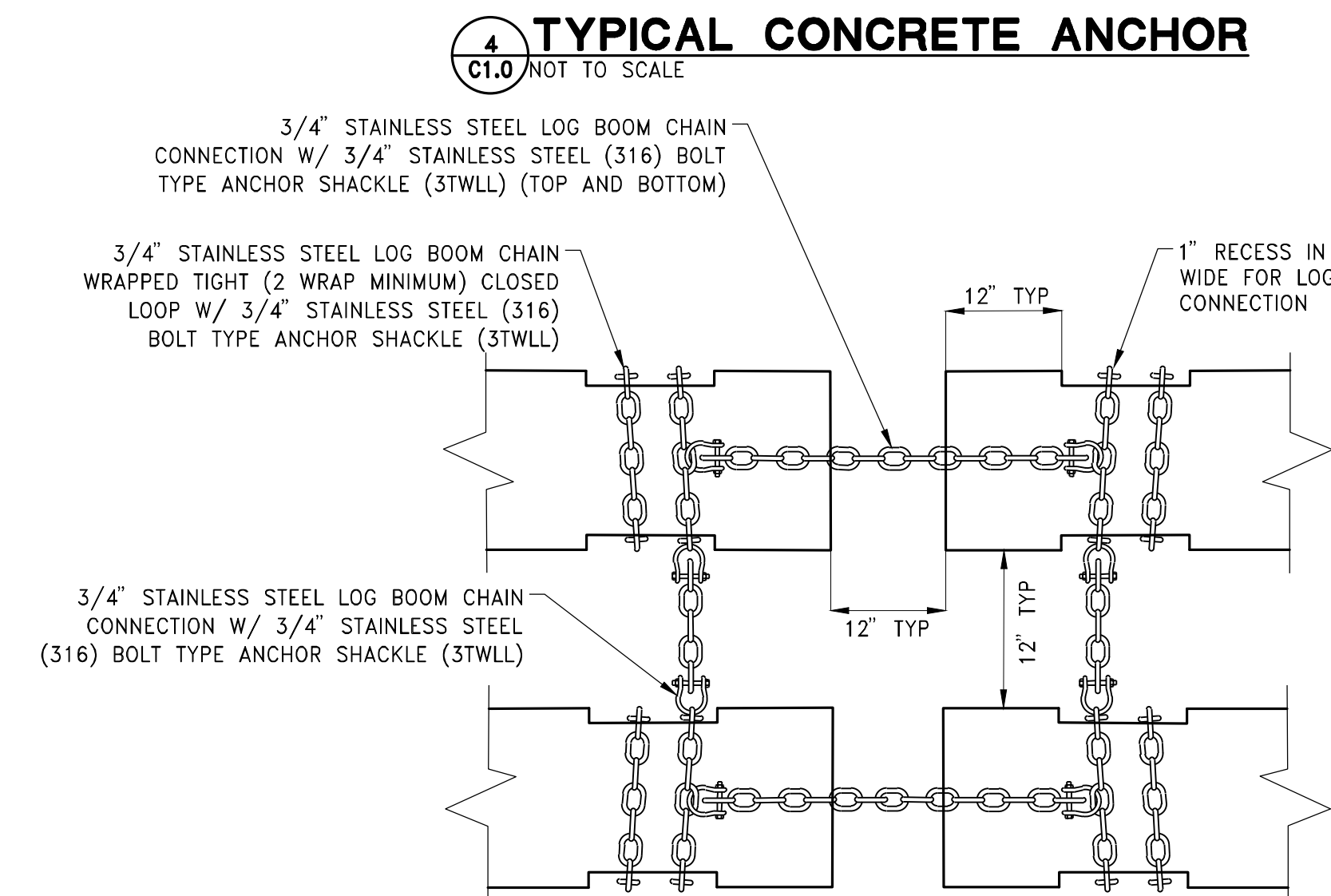
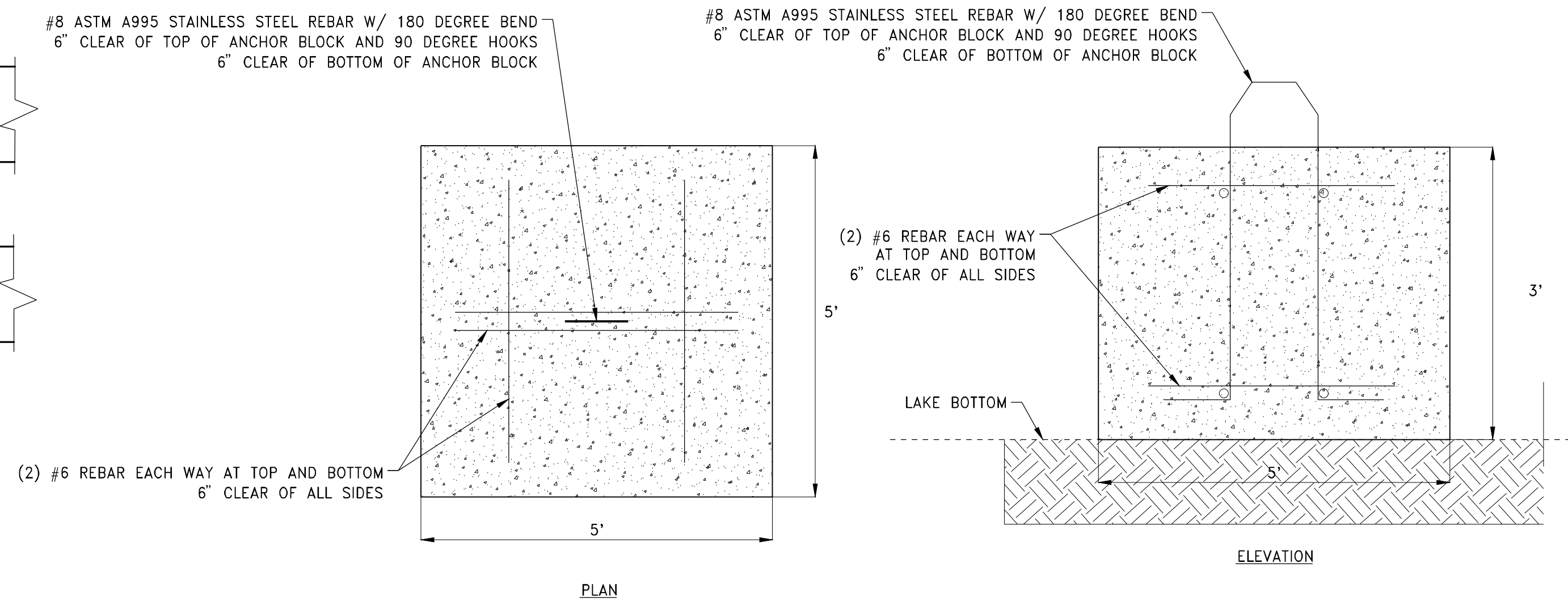
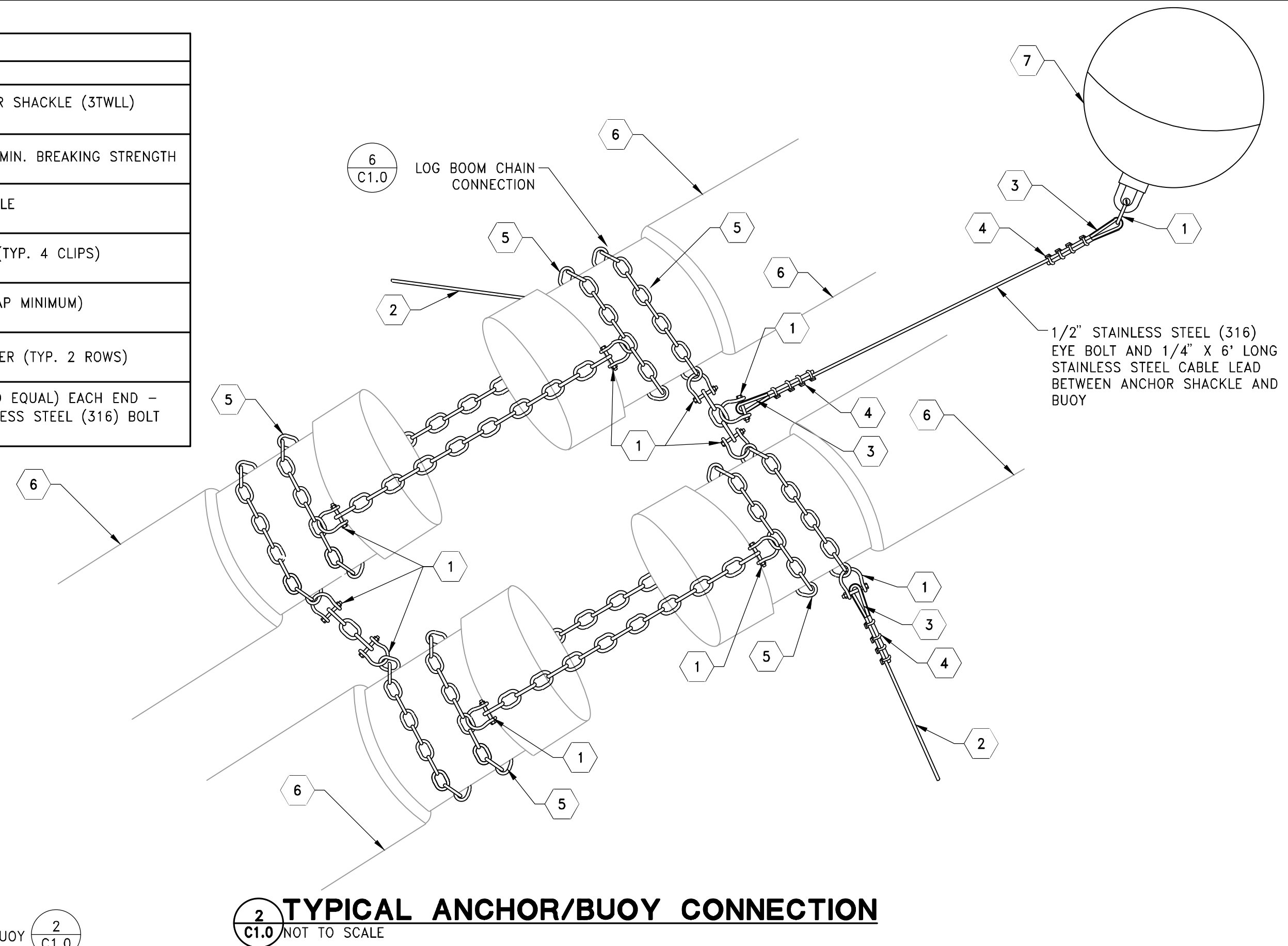
PROJECT NO.
8063.015
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SHT 2 OF 4

PARTS SCHEDULE	
ITEM	DESCRIPTION
1	3/4" STAINLESS STEEL (316) BOLT TYPE ANCHOR SHACKLE (3TWLL) ANCHOR CABLE ATTACHMENT
2	1/2" STAINLESS STEEL WIRE ROPE W/ 18,000# MIN. BREAKING STRENGTH
3	1/2" HEAVY DUTY STAINLESS STEEL (316) THIMBLE
4	1/2" STAINLESS STEEL (316) WIRE ROPE CLIPS (TYP. 4 CLIPS)
5	3/4" STAINLESS STEEL LOG BOOM CHAIN (2 WRAP MINIMUM)
6	25" DOUGLAS FIR TIMBER LOGS, 18"-24" DIAMETER (TYP. 2 ROWS)
7	2-24" SUR-MOOR MOORING BUOY (OR APPROVED EQUAL) EACH END - FASTENED TO LOG BOOM CHAIN W/ 1/2" STAINLESS STEEL (316) BOLT TYPE ANCHOR SHACKLES



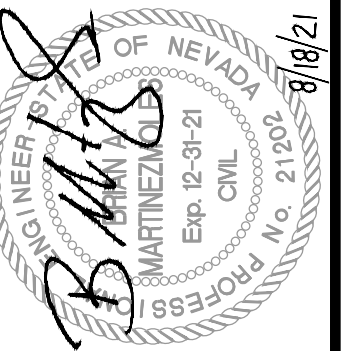
NOTES:

1. CONCRETE FOR ANCHOR BLOCKS SHALL MEET THE REQUIREMENTS OF SECTION 337.10 OF THE SSPWC FOR GENERAL USE CONCRETE WITH THE FOLLOWING EXCEPTIONS:
 - 4,500 PSI MIN COMPRESSIVE STRENGTH AT 28 DAYS
 - ENTRAINED AIR IS NOT REQUIRED



NO.	DESCRIPTION	ENGR. NO.	DATE

DATE: AUGUST, 18, 2021
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 DESIGNED BY: MAC
 CHECKED BY: MAC



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IMPROVEMENT PLANS FOR
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 DETAILS
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SHT 4 OF 4