


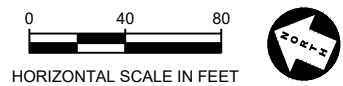
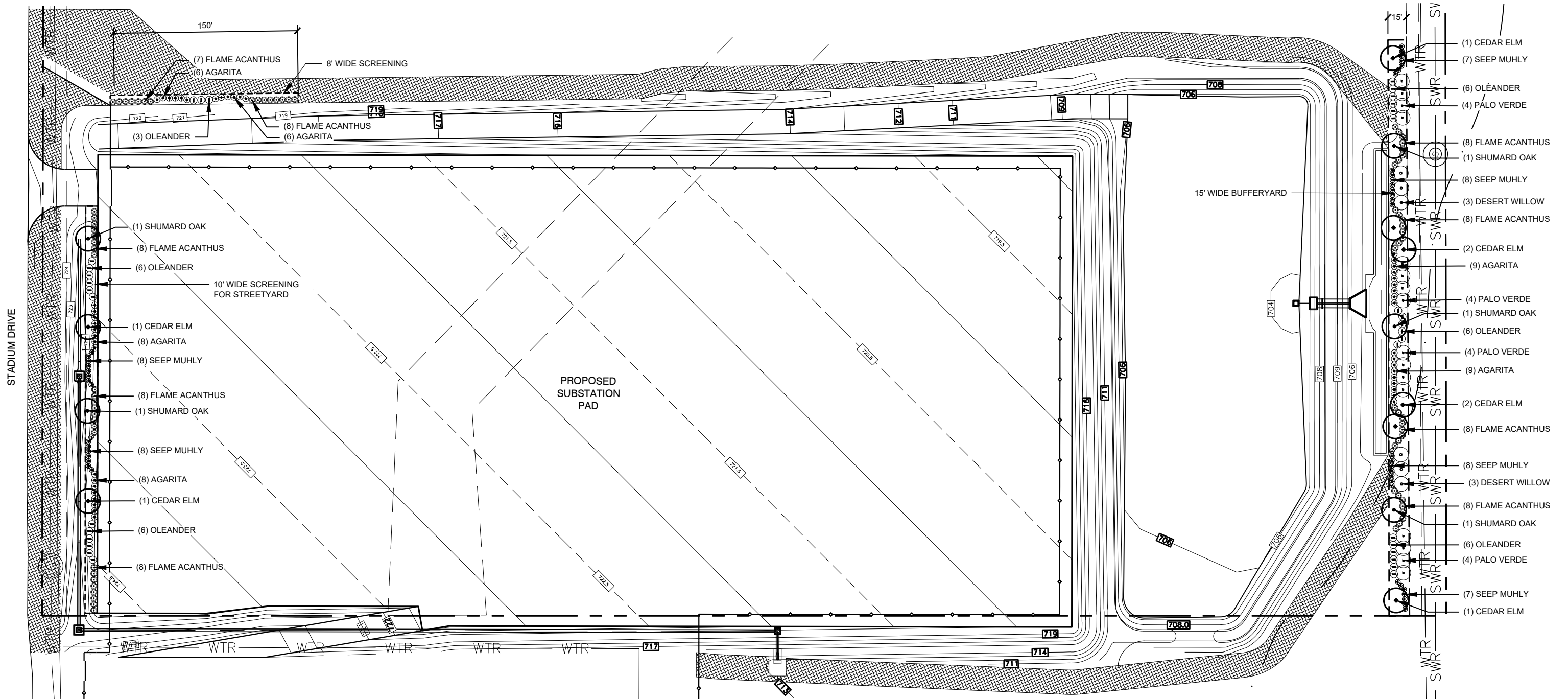
LEGEND

- PROPERTY LINE
- EXISTING PROPERTY LINE
- EXISTING EASEMENT LINE
- EXISTING WIRE FENCE
- PROPOSED PROPERTY FENCE (5 STRAND)
- PROPOSED HIGH SECURITY FENCE
- PROPOSED DRIVE CENTERLINE
- PROPOSED CHANNEL CENTERLINE
- DRIVEWAY W/ COMPACTED 12" FLEXIBLE BASE & GEOGRID
- SUBSTATION PAD W/ 12" FLEXIBLE BASE
- 7" CONCRETE PAVEMENT
- 5" CONCRETE RIP-RAP
- SCREENING, SEE LANDSCAPE PLAN
- SEEDING
- ROCK RIP-RAP
- POND LINER

PROPOSED IMPERVIOUS COVER TABLE	
PROPOSED LCRA SUBSTATION UPGRADE SITE (24.03 ACRES)	
SITE PLAN (PAD, DRIVES, DRAINAGE STRUCTURES)	299,228 SF
MISC (ELEC STRUCTURES, FOUNDATIONS, ETC)	4,000 SF
EXISTING LCRA SUBSTATION SITE (13.22 ACRES)	
SITE PLAN (PAD, DRIVES, DRAINAGE STRUCTURES)	7,978 SF
RIGHT-OF-WAY	
SITE PLAN (CONCRETE DRIVEWAY)	679 SF
FUTURE (SIDEWALK BY OTHERS)	2,586 SF
TOTAL (SQUARE FEET)	314,471 SF
TOTAL (ACRES)	7.22 AC

FOR EXHIBIT ONLY

				DESIGNED BY JOHN GIBSON, E.I.T.	<div><p>ENGINEERS SURVEYORS</p><p>100 NE LOOP 410, STE. 300 SAN ANTONIO, TEXAS 78216 (210) 581-1111 TBPE NO. F-1733 TBPLS NO. 100495-00</p></div>	PROPOSED GABRIEL SUBSTATION UPGRADE		SHEET NO. 1	
				DRAWN BY STEVAN GONZALES		OF 1 SHEETS			
				CHECKED BY JOHN GIBSON, E.I.T.		FILE NO. 119125			
				REVIEWED BY KENNETH R. ROTHE, P.E.					
				DATE 03/22/2021					
NO	DATE	REVISION	BY						



LCRA GABRIEL SUBSTATION UPGRADE PLANTING EXHIBIT SHEET - LS-01

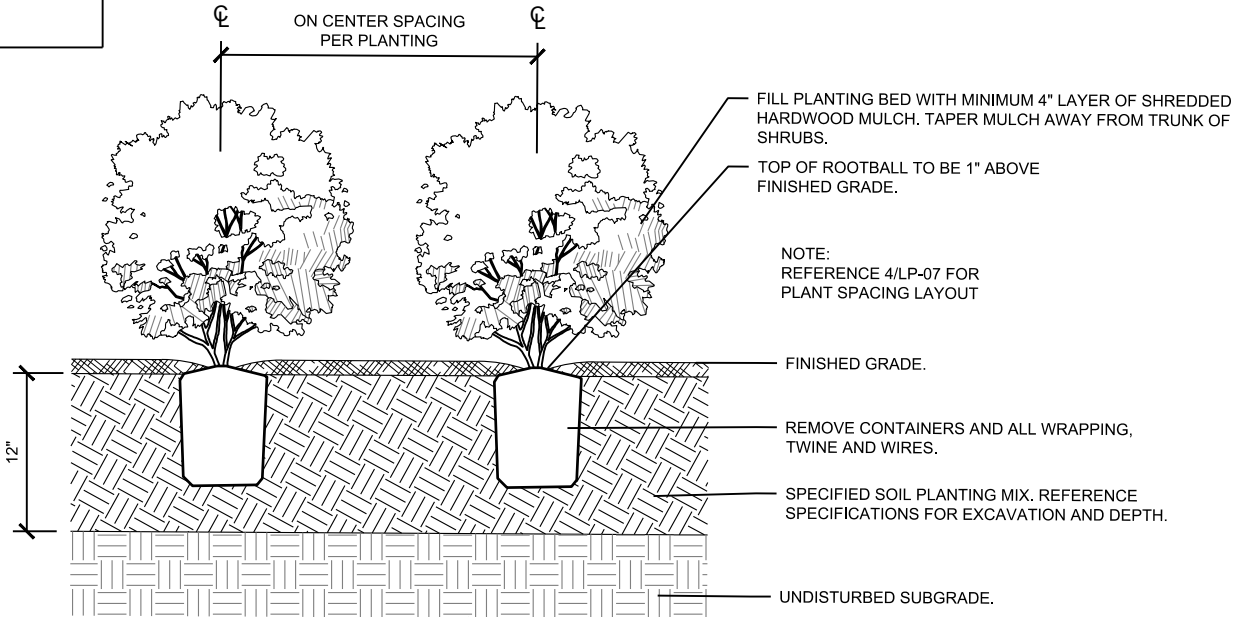


PLANT SCHEDULE								
TREES	WATER USE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	REMARKS
	LOW	5	QUERCUS SHUMARDII	SHUMARD OAK	3" CAL.	100 GAL.		SINGLE TRUNK, STRAIGHT CENTRAL LEADER, FULL AND UNIFORM CANOPY; CONTAINER GROWN
	LOW	8	ULMUS CRASSIFOLIA	CEDAR ELM	3" CAL.	100 GAL.		SINGLE TRUNK, STRAIGHT CENTRAL LEADER, FULL AND UNIFORM CANOPY; CONTAINER GROWN
ORNAMENTAL EVERGREEN TREES	WATER USE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	REMARKS
	LOW	16	PARKINSONIA x 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	8' H X 4' S	45 GAL.		MULTI-TRUNK, 3-5 TRUNKS, 1-1/2" MINIMUM CAN CALIPER, HEAVILY BRANCHED, CLEAR TRUNK, FULL AND UNIFORM CANOPY; CONTAINER GROWN
	LOW	6	CHILOPSIS LINEARIS	DESERT WILLOW	8' H X 4' S	45 GAL.		MULTI-TRUNK, 3-5 TRUNKS, 1-1/2" MINIMUM CAN CALIPER, HEAVILY BRANCHED, CLEAR TRUNK, FULL AND UNIFORM CANOPY; CONTAINER GROWN
SHRUBS	WATER USE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	REMARKS
	VERY LOW	71	ANISACANTHUS QUADRIFIDUS WRIGHTII	FLAME ACANTHUS	18" H X 18" S	3 GAL.	60" o.c.	FULL AND UNIFORM IN CONTAINER.
	VERY LOW	46	BERBERIS TRIFOLIOLATA	AGARITA	18" H X 18" S	3 GAL.	72" o.c.	FULL AND UNIFORM IN CONTAINER.
	VERY LOW	33	NERIUM INDICUM	OLEANDER	18" H X 18" S	3 GAL.	60" o.c.	FULL AND UNIFORM IN CONTAINER.
ORNAMENTAL GRASSES, YUCCAS AND SUCCULANTS	WATER USE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	REMARKS
	VERY LOW	46	MUHLENBERGIA REVERCHONII	SEEP MUHLY	12" H X 12" S	1 GALLON	48" o.c.	FULL AND UNIFORM IN CONTAINER.

- NOTES:
- TEMPORARY IRRIGATION FOR ESTABLISHMENT OF PLANTS.
 - SITE SPECIFIC PLANTS PER CITY OF GEORGETOWN RECOMMENDATIONS.

LANDSCAPE PLANTING REQUIREMENTS	REQUIRED	PROVIDED
SECTION 8.04.030 - STREET YARD LANDSCAPING STREET YARD UNDER 50,000 S.F: 20,000 S.F. LANDSCAPE AREA TOTALING 20% OF STREET YARD 1 SHADE TREE PER 5,000 S.F. OF STREET YARD 3 SHRUBS PLUS 3 PER 5,000 S.F. OF STREET YARD	1,000 S.F. 4 12	9,610 S.F. 4 68
SECTION 8.04.060 - BUFFERYARDS MEDIUM BUFFERYARD: 470 LINEAR FEET ONE (1) SHADE TREE PER EACH 50 LINEAR FEET TWO (2) EVERGREEN ORNAMENTAL TREES PER EACH 50 LINEAR FEET EIGHT (8) EVERGREEN SHRUBS PER EACH 50 LINEAR FEET	9 18 75	9 18 98
SECTION 8.04.070 - SCREENING LIVE SCREEN, MINIMUM 2' HT AT TIME OF PLANTING		INDICATED ON PLANS

TREE MITIGATION CALCULATIONS
TOTAL NUMBER OF INCHES TO MITIGATE: 263"
NUMBER OF INCHES PROVIDED ON-SITE: 39" - SHADE TREES PROVIDED: 13 @ 3" CALIPER
MITIGATION INCHES BASED ON PROPOSED STREETYARD AND BUFFERYARD TREES: 224"



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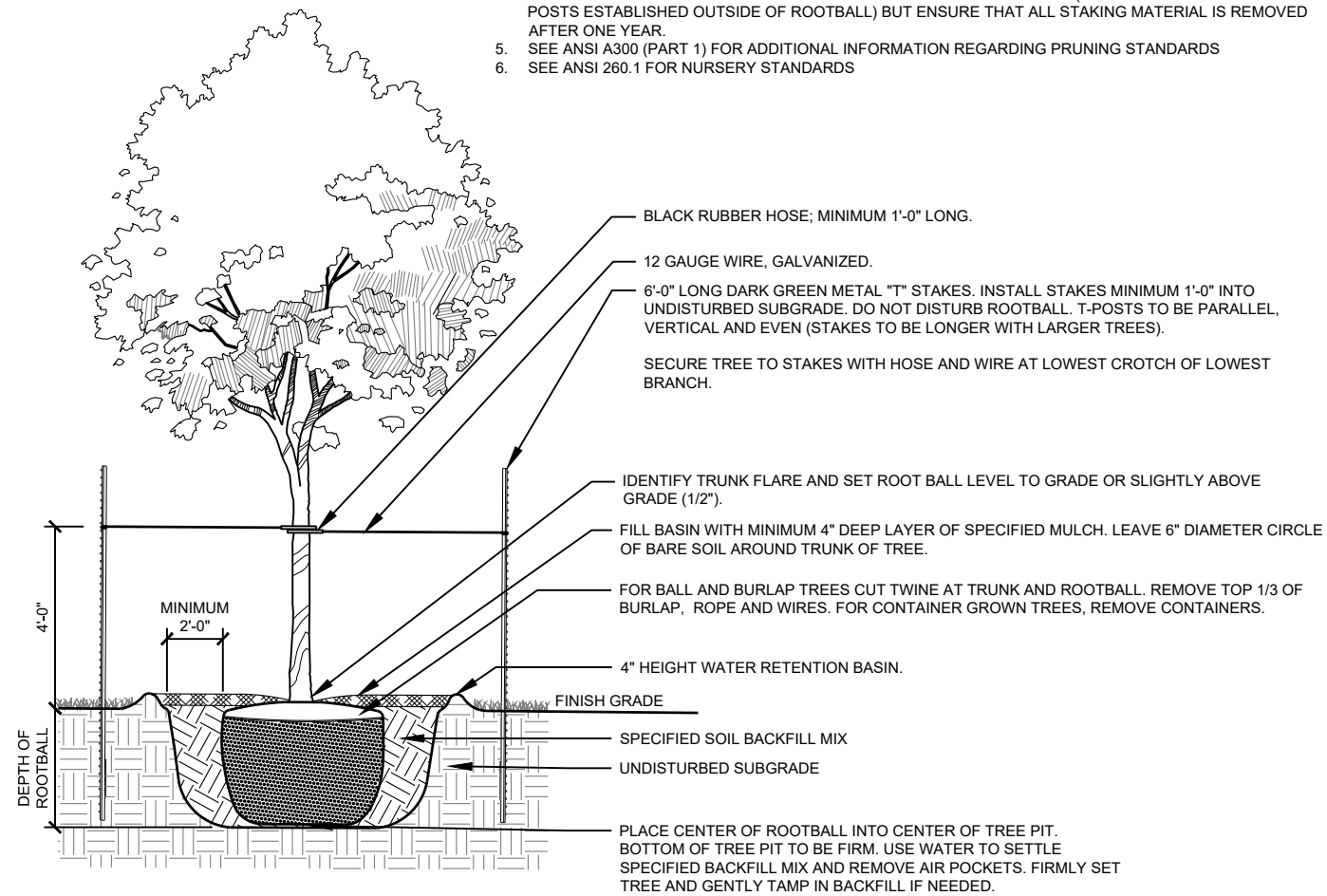
SHRUB BED PLANTING

SECTION

SCALE:N.T.S.

NOTES:

1. REFERENCE TECHNICAL SPECIFICATION SECTION "32 9300 PLANTING" FOR ADDITIONAL REQUIREMENTS.
2. TREES LESS THAN 4" CALIPER ARE TO INSTALL (2) TWO T-POSTS.
3. TREES GREATER THAN 4" CALIPER ARE TO INSTALL (3) T-POSTS.
4. POST AND TIES ARE TO BE ESTABLISHED WITHOUT HARMING THE TREE (E.G. NON-BINDING STRAPS. POSTS ESTABLISHED OUTSIDE OF ROOTBALL) BUT ENSURE THAT ALL STAKING MATERIAL IS REMOVED AFTER ONE YEAR.
5. SEE ANSI A300 (PART 1) FOR ADDITIONAL INFORMATION REGARDING PRUNING STANDARDS
6. SEE ANSI 260.1 FOR NURSERY STANDARDS



SINGLE TRUNK TREE PLANTING DETAIL

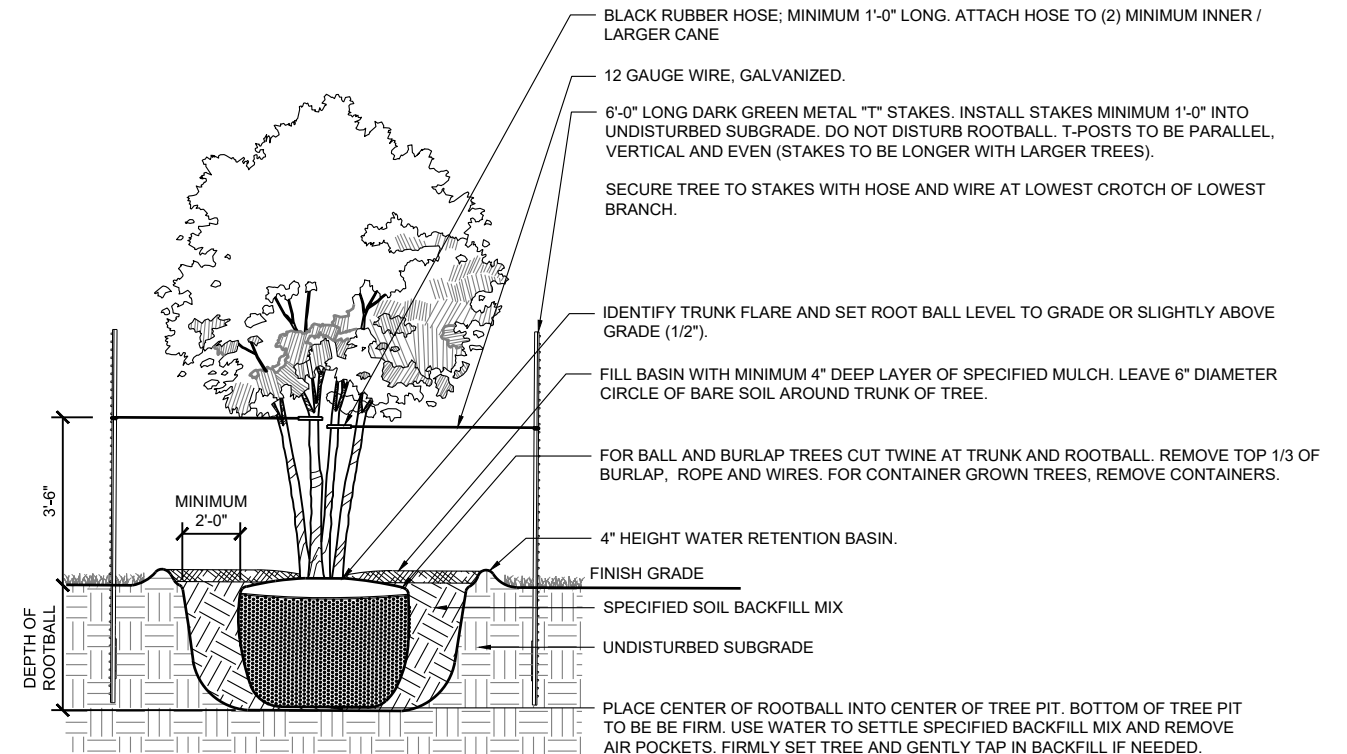
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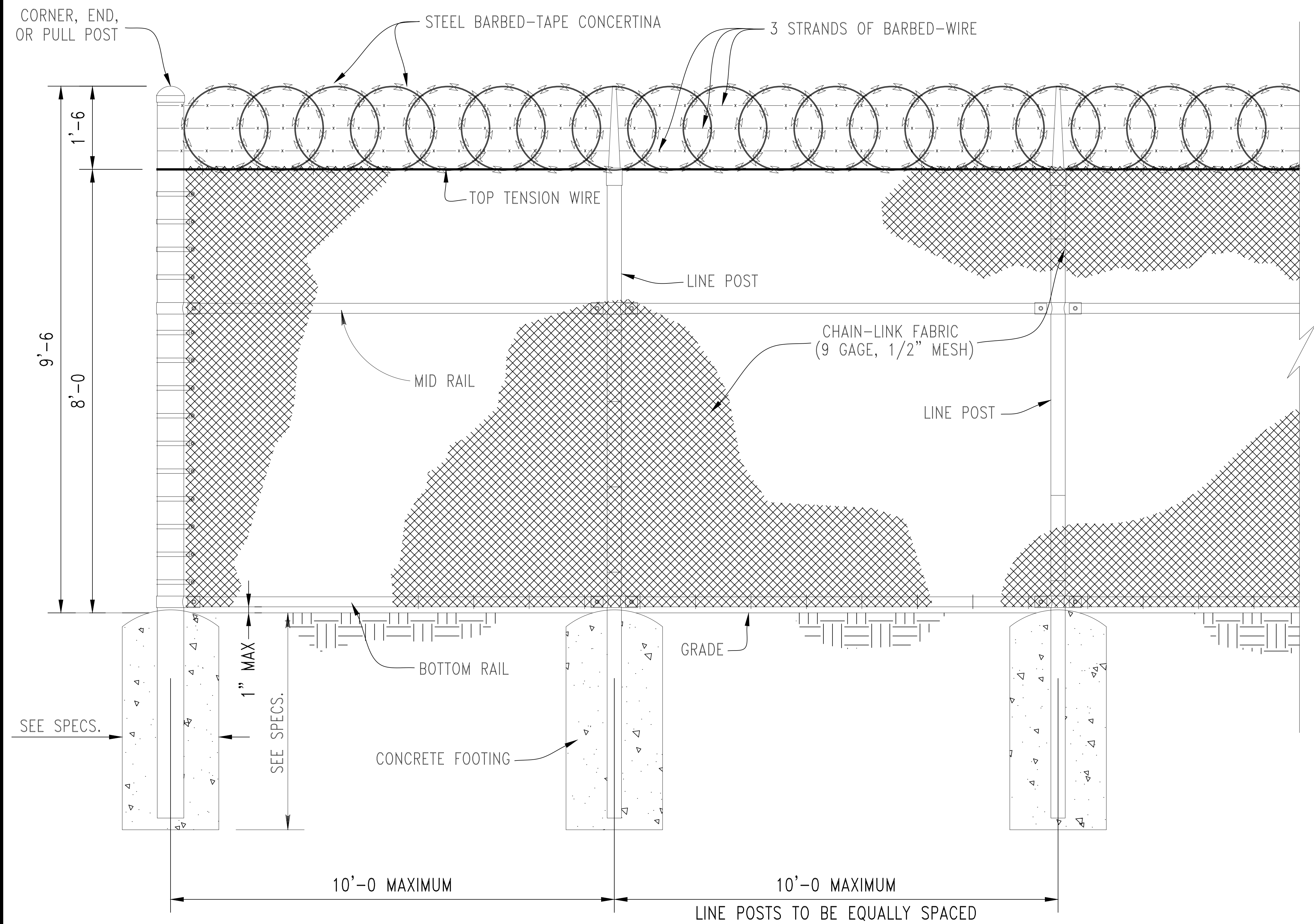


MULTI-TRUNK TREE PLANTING DETAIL

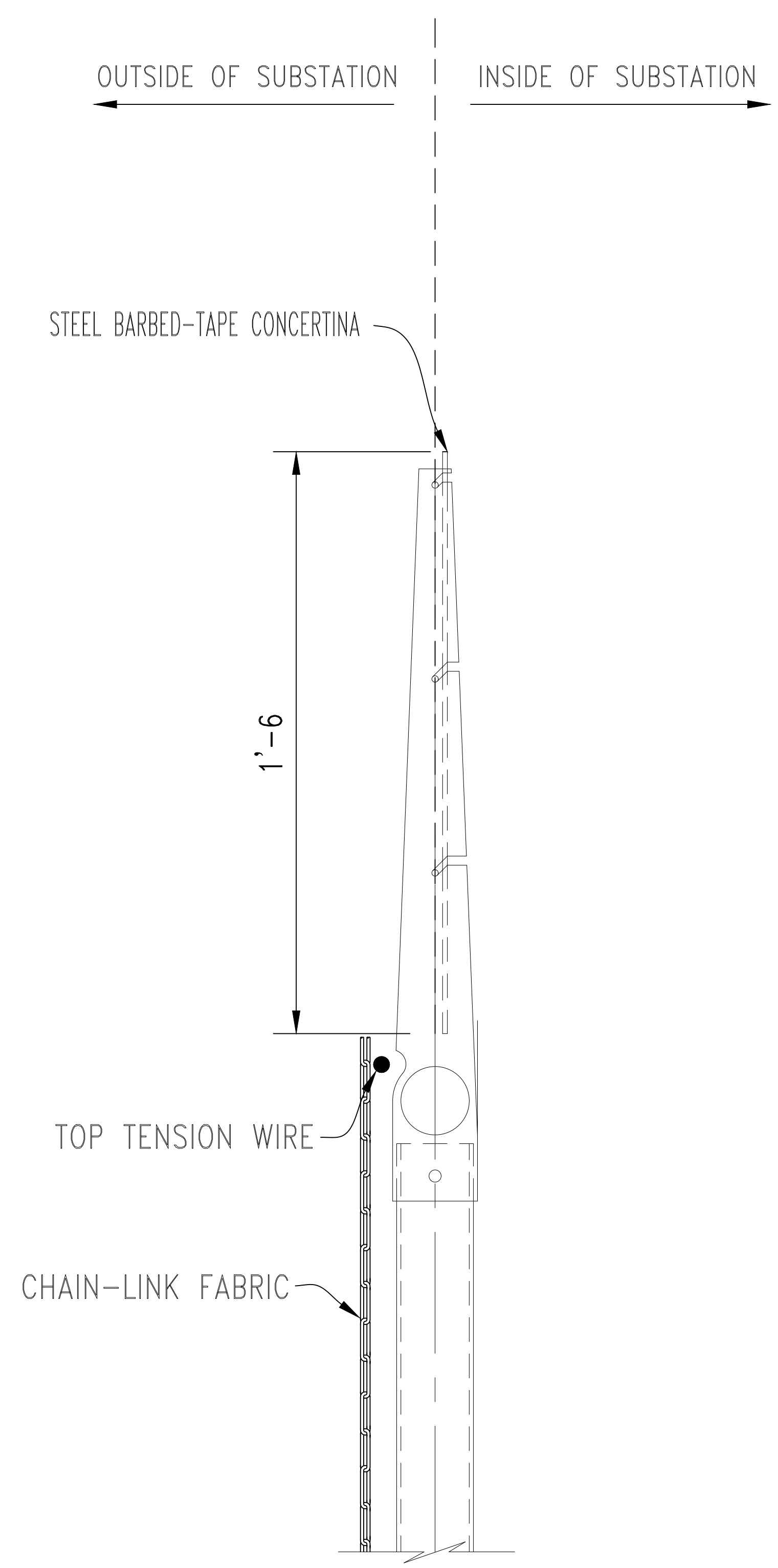
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SECTION

SCALE:N.T.S.



SUBSTATION FENCE DETAIL
1/2"=1'-0



BARBED-TAPE MOUNTING DETAIL
NO SCALE

ISSUED FOR INFORMATION ONLY

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C																														
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