

DEVELOPMENT SUMMARY													
PROJECT DESCRIPTION: PERMIT FOR T-MOBILE UNMANNED TELECOMMUNICATION FACILITY: <u>SCOPE OF WORK:</u> 1- INSTALLATION OF 7'-4" SLUMP STONE ENCLOSURE 2- INSTALLATION OF (4) EQUIPMENT CABINETS INSIDE SLUMP STONE ENCLOSURE 3- INSTALLATION OF (1) 48'-0" MONO-EUCALYPTUS 4- INSTALLATION OF (16) PANEL ANTENNAS MOUNTING ON MONO-EUCALYPTUS 5- INSTALLATION OF (16) RWU AND (3) SURGE SUPPRESSORS AT ANTENNA LEVEL 6- INSTALLATION OF POWER AND TELCO LINES THE PROPOSED PROJECT CONSISTS OF THE INSTALLATION & OPERATION OF A NEW T-MOBILE TELECOM FACILITY WITH ANTENNAS & ASSOCIATED EQUIPMENT CABINETS ON A PROPOSED 48'-0" MONO-EUCALYPTUS TREE AT CITY OF SD PARK & REC. NOTE: NO EXISTING CHAIRS ON SITE NOTE: NOTIFY THE PARK AND RECREATION DISTRICT MANAGER MANUEL GONZALEZ A MINIMUM OF 72 HOURS IN ADVANCE TO SCHEDULE A PRE-CONSTRUCTION MEETING. FAILURE TO DO SO MAY RESULT IN A STOPPAGE OF WORK UNTIL SUCH TIME A PRE-CONSTRUCTION MEETING IS HELD. CONTACT NUMBER: 619-325-6286	APPLICANT: T-MOBILE WIRELESS 10509 VESTA SORRENTO PARKWAY, SUITE 204, SAN DIEGO, CA 92121 CM: KORI BABCOCK LUP: JOSEPH ROSE PHONE: (858) 334-6130 PHONE: (262) 720-4055 (SEE AGENT FOR APPLICANT'S REPRESENTATIVE) APPLICANT'S OWNER: OWNER: CITY OF SAN DIEGO ADDRESS: 1200 THIRD AVENUE, SUITE 1700 SAN DIEGO, CA 92101 CONTACT: EUGA CHARLES PHONE: (619) 236-6652 APPLICANT'S AGENT: SHAWTLINK LLC 184011 YORK KARIAM AVE. SUITE 810 IRVINE, CA 92612 SAC: ADAM STONE LUP: ADAM STONE PHONE: (734) 904-3390 PHONE: (734) 904-3390												
PERMIT REQUIRED: 1) CLIP - PROCESS 6 - NOT LOCATED INDICATED PARKLAND, LESS THAN 100FT. FROM THE PROPERTY LINE OF A MIDDLE SCHOOL. 2) ROP - PROCESS 4 - NOT LOCATED IN THE NETWORK AND EXCEEDING THE 30' ZONE HEIGHT LIMIT 3) ROP - NOT WITH ABOVE GROUND EQUIPMENT ENCLOSURE IN A PARK	ARCHITECT: DCS PACIFIC 32 EXECUTIVE PARK, SUITE 110 IRVINE, CA 92614 CONTACT: D.J. DO PHONE: (949) 475-1000 E-MAIL: DCS@DCSPACIFIC.COM FAX: (949) 475-1001												
LIST THE REQUESTED DEVIATIONS: 1) MONO-EUCALYPTUS EXCEEDS HEIGHT TO LEFT SIDE YARD SETBACK 2) MONO-EUCALYPTUS HEIGHT OF 45' IS GREATER THAN ALLOWABLE (30')	BUILDING CODE INFORMATION: <table style="width: 100%;"> <tr> <td style="width: 50%;"><u>EXISTING BUILDING/STRUCTURE:</u></td> <td style="width: 50%;"><u>PROPOSED STRUCTURE:</u></td> </tr> <tr> <td>OCCUPANCY =</td> <td>OCCUPANCY = S2 (TELECOMMUNICATION)</td> </tr> <tr> <td>CONSTRUCTION TYPE =</td> <td>CONSTRUCTION TYPE = V-B</td> </tr> <tr> <td>SPRINKLER SYSTEM =</td> <td>SPRINKLER SYSTEM = NONE</td> </tr> </table>	<u>EXISTING BUILDING/STRUCTURE:</u>	<u>PROPOSED STRUCTURE:</u>	OCCUPANCY =	OCCUPANCY = S2 (TELECOMMUNICATION)	CONSTRUCTION TYPE =	CONSTRUCTION TYPE = V-B	SPRINKLER SYSTEM =	SPRINKLER SYSTEM = NONE				
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SPRINKLER SYSTEM =	SPRINKLER SYSTEM = NONE												
PROPERTY INFORMATION: LEGAL DESCRIPTION: PENDING TITLE REPORT ASSESSOR PARCEL NUMBER: 830-330-09 LEASE AREA: 245 SQ.FT.	ZONING INFORMATION: <table style="width: 100%;"> <tr> <td style="width: 50%;">AEROSPACE ZONING DESCRIPTION:</td> <td style="width: 50%;">CITY OF SAN DIEGO AGRICULTURAL</td> </tr> <tr> <td>LOT AREA:</td> <td>32' X 16.87' W (APPROX.)</td> </tr> <tr> <td>LONGITUDE:</td> <td>117° 03' 13.87" W (APPROX.)</td> </tr> <tr> <td>TOP OF (0) MONO-EUCALYPTUS :</td> <td>ADJ.</td> </tr> <tr> <td>BASE OF (0) MONO-EUCALYPTUS :</td> <td>ADJ.</td> </tr> </table>	AEROSPACE ZONING DESCRIPTION:	CITY OF SAN DIEGO AGRICULTURAL	LOT AREA:	32' X 16.87' W (APPROX.)	LONGITUDE:	117° 03' 13.87" W (APPROX.)	TOP OF (0) MONO-EUCALYPTUS :	ADJ.	BASE OF (0) MONO-EUCALYPTUS :	ADJ.		
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UTILITY SURVEYORS: POWER: <table style="width: 100%;"> <tr> <td style="width: 50%;">COMPANY: SDG&E</td> <td style="width: 50%;">TEL: -</td> </tr> <tr> <td>CONTACT: -</td> <td>FAX: -</td> </tr> <tr> <td></td> <td>E-MAIL: -</td> </tr> </table> JULCO: <table style="width: 100%;"> <tr> <td style="width: 50%;">COMPANY: AT&T</td> <td style="width: 50%;">TEL: -</td> </tr> <tr> <td>CONTACT: -</td> <td>FAX: -</td> </tr> <tr> <td></td> <td>E-MAIL: -</td> </tr> </table>	COMPANY: SDG&E	TEL: -	CONTACT: -	FAX: -		E-MAIL: -	COMPANY: AT&T	TEL: -	CONTACT: -	FAX: -		E-MAIL: -	APPROVALS: R/E, ENGINEER: _____ ZONING: _____ CONSTRUCTION: _____ SITE ACQUISITION: _____ OWNER / LANDLORD: _____ SIGNATURE DATE
COMPANY: SDG&E	TEL: -												
CONTACT: -	FAX: -												
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	E-MAIL: -												

[illegible]

	NEW ADDITION		SECTION REFERENCE
	EXISTING ADDITION		CENTERLINE
	GROUND ROD		PROPERTY/ALLOSE LINE
	GROUND BUS BAR		MATCH LINE
	MECHANICAL GROUND CONN.		WORK POINT
	GROUND		GROUND CONDUCTOR
	GROUND ACCESS WELL		TELEPHONE CONDUIT
	ELECTRIC BOX		ELECTRIC CONDUIT
	TELEPHONE BOX		COAXIAL CABLE
	SPOT ELEVATION		ELEC. & TEL. CONDUITS
	REVISION		OPEN LINE FENCING
	GND REFERENCE		OVERHEAD SERVICE CONDUCTORS
	DETAIL REFERENCE		KEYNOTE
	ELEVATION REFERENCE		

SHEET	DESCRIPTION
T1	TITLE SHEET
U8	GENERAL SPECIFICATIONS
A2	EQUIPMENT AND CABLE NOTES
D1	DETAILS
CN1	GENERAL AND SITE DEVELOPMENT NOTES
CN2	GENERAL, ANTENNA AND CABLE NOTES
A1	BITE PLAN
A2	EXPANDED BITE PLAN
A3	EQUIPMENT AND ANTENNA LAYOUT PLANS
A4	ELEVATIONS
A5	ANTENNA SPECIFICATIONS
A6	ANTENNA SPECIFICATIONS
D1	DETAILS
ZH1	STATIONARY NOTES
CONP	CONSTRUCTION NOTES
CM	COMMUNICATIONS EQUIPMENT REQUIREMENTS
CA	COMPUTER SYSTEMS

Replacement

Project Number: 38427

Approval Date: 9/24/15

Signed (1st Sheet): [Signature]

10/13/17

NOTE:
 SCALES SHOWN ON SET OF DRAWINGS ARE REPRESENTATIVE OF FULL SIZE
 24"x36" DRAWINGS. IF THIS SET OF DRAWINGS IS LESS THAN 24"x36",
 IT IS A REDUCED SET.

DATE:	06/12/17
ARCHIVED:	NO
ORIGIN BY:	NH
CHECKED BY:	BOX
ISSUE STATUS:	
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-	06/23/15 REE CS 14
-	06/11/13 NAME CS 14
-	07/24/13 REMED CS 14
-	06/04/14 PLAN CHECK CORRECTIONS 14
-	06/04/14 PLAN CHECK CORRECTIONS 14
-	03/14/16 P & S COMMENTS 14
-	03/14/16 AER CUP 14
-	06/22/17 SEE CS FOR RECORD 14
Δ	06/12/17 FC RECORD MLI 14



mobilitie

PLANS PROVIDED BY:

DCI PACIFIC
AIRC WORKS

ARCHITECTURE | INTERIORS | CONSULTING
35 EXECUTIVE PARK | SUITE 140
SUNNYVALE, CA 95014

LICHTUNG

DEPARTMENT OF
N. FACILITIES

PROJECT NAME:	

SD06103A

PROJECT MEMBER: SEVEN WIND TREE

PROJECT ADDRESS:	
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333 ARE DRIVE
SAN DIEGO, CA 92154

SECRET

FILE SET

SECRET NUMBER

T1

GENERAL NOTES

1. THE LATEST EDITION OF THE AMERICAN INSTITUTE OF ARCHITECTS DOCUMENT A201 "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION" ARE INCLUDED IN THESE SPECIFICATIONS AS IF COMPLETELY REPRODUCED HEREIN.
2. THIS FACILITY IS AN UNCOMMERCIAL TELECOMMUNICATIONS SITE AND IS NOT A COMMERCIAL BUILDING.
3. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS PARTICIPATING SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH ALL FIELD CONDITIONS AFFECTING THE PROPOSED PROJECT INCLUDING REDUPLICATION, ELECTRICAL, MECHANICAL, STRUCTURAL, AND OTHER CONDITIONS. THE CONTRACTORS SHALL REVIEW THE CONSTRUCTION AND CONTRACT DOCUMENTS AND SHALL CONFIRM THAT THE PROJECT CAN BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH THE PROJECT. THE CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, THE GENERAL CONTRACTOR SHALL IMMEDIATELY NOTIFY THE MOBILE CONSTRUCTION MANAGER AND THE ARCHITECT IN WRITING, IN THE EVENT OF DISCREPANCIES TO THE CONSTRUCTION DOCUMENTS. THE CONTRACTORS SHALL BE RESPONSIBLE FOR THE PROJECT, UNLESS SPECIFICALLY DIRECTED OTHERWISE, IF A DISCREPANCY EXISTS AND THE PROJECT MANAGER AND ARCHITECT ARE NOT ADVISED. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR ALL PROBLEMS THAT REARISE.
4. DRAWINGS SHALL NOT BE SCALED. THESE DRAWINGS ARE INTENDED TO BE DIMENSIONAL. ONLY DIMENSIONED DIMENSIONS HAVE PRECEDENCE OVER DIMENSIONED DIMENSIONS. DIMENSIONS SHALL BE TAKEN FROM DIMENSIONED DIMENSIONS. SCALE-DRAWINGS, CONTRACTOR SHALL CHECK ACCURACY OF ALL DIMENSIONS IN THE FIELD. UNLESS SPECIFICALLY NOTED, DO NOT FABRICATE ANY CONSTRUCTION FROM DIMENSIONED DIMENSIONS. DIMENSIONS OF DIMENSIONED DIMENSIONS HAVE BEEN VERIFIED AGAINST ACTUAL FIELD DIMENSIONS.
5. THE CONTRACTOR SHALL INCLUDE IN HIS OR HER BID ALL MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE THE WORK AS SPECIFIED HEREIN.
6. CONTRACTOR SHALL NOTIFY THE T-MOBILE CONSTRUCTION MANAGER, THE PROJECT OWNER AND THE ARCHITECT IF ANY DETAILS ARE CONSIDERED IMPRACTICAL, UNSUSTAINABLE, UNLAWFUL, NOT WATERPROOF, OR NOT WITHIN THE DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, THE GENERAL CONTRACTOR SHALL IMMEDIATELY NOTIFY THE MOBILE CONSTRUCTION MANAGER AND THE ARCHITECT IN WRITING, IN THE EVENT OF DISCREPANCIES TO THE CONSTRUCTION DOCUMENTS. THE CONTRACTORS SHALL BE RESPONSIBLE FOR THE PROJECT, UNLESS SPECIFICALLY DIRECTED OTHERWISE, IF A DISCREPANCY EXISTS AND THE PROJECT MANAGER AND ARCHITECT ARE NOT ADVISED. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR ALL PROBLEMS THAT REARISE.
7. EXISTING ELEVATIONS AND LOCATIONS TO BE JOINED SHALL BE VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION. IF THEY DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE T-MOBILE CONSTRUCTION MANAGER AND THE ARCHITECT IN WRITING, IN THE EVENT OF DISCREPANCIES TO THE CONSTRUCTION DOCUMENTS. THE CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, THE GENERAL CONTRACTOR SHALL IMMEDIATELY NOTIFY THE MOBILE CONSTRUCTION MANAGER AND THE ARCHITECT IN WRITING, IN THE EVENT OF DISCREPANCIES TO THE CONSTRUCTION DOCUMENTS. THE CONTRACTORS SHALL BE RESPONSIBLE FOR THE PROJECT, UNLESS SPECIFICALLY DIRECTED OTHERWISE, IF A DISCREPANCY EXISTS AND THE PROJECT MANAGER AND ARCHITECT ARE NOT ADVISED. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR ALL PROBLEMS THAT REARISE.
8. THE CONTRACTOR SHALL VERIFY ALL TELEPHONE & RADIO EQUIPMENT LOCATIONS, SPECIFICATIONS, PERFORMANCE, INSTALLATION AND FINAL LOCATIONS WITH THE T-MOBILE CONSTRUCTION MANAGER AND THE ARCHITECT IN WRITING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH ERICSSON RADIO SYSTEMS.
9. ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED STANDARD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, THE GENERAL CONTRACTOR SHALL IMMEDIATELY NOTIFY THE MOBILE CONSTRUCTION MANAGER AND THE ARCHITECT IN WRITING, IN THE EVENT OF DISCREPANCIES TO THE CONSTRUCTION DOCUMENTS. THE CONTRACTORS SHALL BE RESPONSIBLE FOR THE PROJECT, UNLESS SPECIFICALLY DIRECTED OTHERWISE, IF A DISCREPANCY EXISTS AND THE PROJECT MANAGER AND ARCHITECT ARE NOT ADVISED. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR ALL PROBLEMS THAT REARISE.
10. THE CONTRACTOR SHALL OBTAIN PAY FOR PERMITS, LICENSES AND INSPECTIONS NECESSARY FOR PERFORMANCE OF THE WORK AND INCLUDE THOSE IN THE COST OF THE WORK TO T-MOBILE.
11. THE CONTRACTOR SHALL PROVIDE CONTINUOUS SUPERVISION WHILE ANY SUPERVISION MANAGER OR ARCHITECT IS NOT PRESENT AND SHALL SUPERVISE AND DIRECT ALL WORK, USING HIS BEST SKILL AND ATTENTION. HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, MATERIALS, EQUIPMENT AND SCHEDULE AND FOR COORDINATING ALL JOBS OF THE WORK UNDER THE CONTRACT.
12. WORKSHOPS THROUGHOUT BE OF THE BEST QUALITY OF THE TRADE INVOLVED, AND SHALL MEET OR EXCEED THE REQUIREMENTS, REFERENCE SPECIFICATIONS, AND SHALL BE PROFESSIONAL CONSTRUCTION PRACTICE.

NRCA NATIONAL ROOFING CONTRACTORS ASSOCIATION
O'HARE INTERNATIONAL CENTER
10235 W. HIGGINS ROAD, SUITE 600
ROSEMONT, IL 60018

SMACNA SHEET METAL AND AIR CONDITIONING CONTRACTORS
NATIONAL ASSOCIATION
4201 LAFAYETTE CENTER DRIVE
CHATILLY, VA 22021-1208

ITLP INTERNATIONAL INSTITUTE FOR LATH AND PLASTER
820 TRANSFER ROAD
ST. PAUL, MN 55114-1408

13. INSTALL ALL EQUIPMENT AND MATERIALS FOR THE LATEST EDITION OF THE MANUFACTURER'S INSTALLATION SPECIFICATIONS UNLESS SPECIFICALLY OTHERWISE INDICATED, OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
14. THE CONTRACTOR SHALL VERIFY, COORDINATE, AND PROVIDE ALL NECESSARY BLOCKING, BRACING, FRAMING, HANGERS OR OTHER SUPPORTS FOR ALL ITEMS REQUIRING THE SAME.
15. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL GIVE ALL NOTICES AND SHOW UPON ALL APPLICABLE LOCAL CODES, REGULATIONS, LAWS AND ORDINANCES AS WELL AS STATE DEPARTMENT OF INDUSTRIAL REGULATIONS AND DIVISION OF INDUSTRIAL SAFETY (DISA) REQUIREMENTS.
16. THE CONTRACTOR SHALL PROTECT THE PROPERTY OWNERS, AND T-MOBILE PROPERTY FROM DAMAGE WHICH MAY OCCUR DURING CONSTRUCTION, AND TO REMAIN TO THE PROPERTY OWNERS, AND T-MOBILE PROPERTY (E.G. LANDSCAPING, CURBS, STAIRS, OR EQUIPMENT, ETC.) SHALL BE IMMEDIATELY REPAIRED OR REPLACED TO THE SATISFACTION OF T-MOBILE, AND THE PROPERTY OWNER, OR THE OWNER'S REPRESENTATIVE, AT THE EXPENSE OF THE CONTRACTOR.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR, AND SHALL REPAIR OR REPLACE, ANY FAILURE, IMPROPER, OR INTERIOR MATERIALS OR WORKMANSHIP OR ANY DAMAGE WHICH SHALL APPEAR WITHIN ONE YEAR AFTER THE COMPLETION AND ACCEPTANCE OF THE WORK BY T-MOBILE UNDER THIS CONTRACT.

PAINTING NOTES & SPECIFICATIONS

- A. GENERAL
1. ALL PAINT PRODUCT LINES SHALL BE SHERWIN WILLIAMS' UNLESS SPECIFICALLY NOTED TO THE CONTRARY.
2. CONTRACTOR SHALL PREPARE ALL SURFACES AND APPLY ALL FINISHES PER LATEST EDITION OF MANUFACTURER'S SPECIFICATIONS.
3. COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS REGARDING SUFFICIENT DRYING TIME BETWEEN COATS WITH PROVISIONS AS RECOMMENDED BY MANUFACTURER FOR EXISTING SURFACES.
4. FINISH COLOR AND TEXTURE OF ALL PAINTED SURFACES SHALL MATCH EXISTING ADJACENT SURFACES UNLESS OTHERWISE NOTED.
5. ALL PAINT MATERIAL DATA SHEETS SHALL BE PROVIDED TO THE F-MODEL CONSTRUCTION PROJECT.
6. PREPARE PREVIOUSLY PAINTED SURFACE BY LIGHT SANDING WITH 400 GRIIT SANDPAPER AND LIGHT HYDROBLASTING. WASH, PREPARE GALVANIZED SURFACES BY ACID ETCH AND RINSE OFF.
7. SURROUND GROUP CLOTHING, SHOES, MASKING, AND PROTECTIVE WEATHERS TO PREVENT SPRAY OR DRIPPOFFS FROM DAMAGING ADJACENT SURFACES AND FACILITIES.
8. APPLY PAINT BY AIRLESS SPRAY, SANDING LIGHTLY BETWEEN EACH SUCCEEDING COAT. COAT ON FLAT SURFACES, APPLY MATERIAL TO ACHIEVE A COATING NO THINNER THAN .001 INCHES UNLESS OTHERWISE INDICATED.
9. APPLY BLOCK FILLER TO CONDUITE BLOCK CONSTRUCTION AT A RATE TO DISBURSE COMPLETE COVERAGE WITH PORES COMPLETELY FILLED.
10. CONTRACTOR SHALL CORRECT RIPS, SACS, MESSERS, AND OTHER DEFECTS INCLUDING REPAIRS AS DIRECTED BY THE F-MODEL CONSTRUCTION MANAGER. REPAIRS SHALL BE NECESSARY TO ACHIEVE SURFACES WHICH ARE SMOOTH, EVENLY COATED WITH UNIFORM SHEEN AND FREE FROM BUBBLES.
11. PAINTING SCHEME
1. PAINT THE FOLLOWING MATERIALS AND SYSTEMS CHECKED BELOW WITH THE COATING SYSTEM REQUIRED.

PAINTING SCOPE				
SURFACE TO BE PAINTED	COATING SYSTEM	PAINT	DO NOT PAINT	PER PLAN
SEE LIST				
1. REINFORCED & UNREINFORCED CONCRETE	1			
2. STEEL	2			
3. ALUMINUM	3			
4. GLASS	4			
5. WOOD	5			
6. PLASTER	6			
7. GYPSUM	7			
8. BRICK	8			
9. MORTAR	9			
10. PAINT	10			
11. OTHER	11			
12. OTHER	12			
13. OTHER	13			
14. OTHER	14			
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99. OTHER	99			

C. COATING SYSTEM SPECIFICATIONS

1. POTM ACRYLIC COATING (SERIES B66) BY SHERWIN WILLIAMS CO. 1 MIL. DFT PER COAT APPLIED IN TWO COATS OVER DIRT BONDING PRIMER (B66A-02)
2. 100% ACRYLIC, LATHE COATING EQUIVALENT TO A-100 (SERIES A-82) BY SHERWIN WILLIAMS CO. 1 MIL. DFT PER COAT APPLIED IN TWO COATS OVER SPECIFIED PRIMER
- D. PAINT PRIMER
- INTERIORS
- PRIMER - KEM AQUA E81-W525
TOPCOAT - CORDYNEANE # B69200/B6922
- ITS CABINET
- PRIMER - KEM AQUA E81-W525
TOPCOAT - CORDYNEANE # B69200/B6922
- CROWN JUMPER CABLES
- PRIMER - AS REQUIRED FOR ADHESION, APPLY ONE COAT OF KEM AQUA WATER REDUCIBLE PRIMER. PRIMER DILUTES REDUCED 2:1
TOPCOAT - 2 COATS CORDYNEANE # POLYURETHANE B69200/B6922
- WALL STEEL
- PRIMER - KEM BOND HS B50624, DMT ACRYLIC PRIMER
TOPCOAT - 2 COATS CORDYNEANE # POLYURETHANE B69200/B6922
- CALUMNETE MESH
- ACID ETCH WITH COMMERICAL ETCH OR VINEGAR PRIMER COAT AND FINISH COAT (CALUMNETE HIGH SOLIDS OR DTM PRIMER / FINISH)
- STAINLESS STEEL
- PRIMER - DTM WASH PRIMER, B7111
TOPCOAT - 2 COATS CORDYNEANE # POLYURETHANE B69200/B6922
- PRE-PRIMED STEEL
- TOUCH UP ANY RUST OR UN-PRIMED STEEL WITH KEM BOND HS, B50624
- ALUMINUM & COPPER
- PRIMER - DTM WASH PRIMER, B7111
TOPCOAT - 2 COATS CORDYNEANE # POLYURETHANE B69200/B6922
- CONCRETE MASONRY (NEW)
- PRIMER - PRO MAR EXTERIOR BLOCK FILLER
TOPCOAT - 2 COATS A-100 LATEX HOUSE & TRIM, SHEEN TO MATCH
- CONCRETE STUCCO (EXISTING)
- 2 COATS A-100 LATEX HOUSE & TRIM, SHEEN TO MATCH
- STUCCO
- PRIMER - PRO MAR MASONRY CONCRETE B-48-W21000
TOPCOAT - SUPER PANT A-80 SERIES A-89 SATIN A-84 GLOSS
- WOOD
- PRIMER - A-100 EXTERIOR ALKO WOOD PRIMER V-24920
TOPCOAT - 2 COATS A-100 LATEX HOUSE & TRIM, SHEEN TO MATCH ADJACENT SURFACES
- CLU-LAM BEAMS
- PRIMER - A-100 EXTERIOR ALKO WOOD PRIMER V-24920 TWO COATS SHOP APPLIED FOR CLU-LAM MANUFACTURER'S SPECIFICATIONS
TOPCOAT - SUPER PANT A-80 SERIES A-89 SATIN A-84 GLOSS, TWO COATS SHOP OR FIELD APPLIED AT CONTRACTOR'S OPTION
- FIELD CUTS/ DAMAGE (PRIOR TO PAINT & PANT) FIRST AND SECOND COAT CUPROBOL CLEAR WOOD PRESERVATIVE #154-0358 ALL PENETRATIONS INTO FINISHED CLU-LAMS SHALL BE CAULKED WITH "SILAFLEX" SEALANT
- STEEL ROUGH UP
- ALL STEEL HAS BEEN WASHED WITH SOAP OR SCRUBBED IN THE FIELD. SHALL BE TOUCH

SITE DEVELOPMENT NOTES

1. THE ARCHITECT/ENGINEER AND REPRESENTATIVES OF THE LESSEE AND OWNER SHALL BE NOTIFIED AT LEAST TWO FULL DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. DO NOT EXCAVATE OR DISBURS SLOES BEYOND THE PROPERTY LINES OR LEASE LINES UNLESS SPECIFICALLY INSTRUCTED, BY WRITING, BY THE ARCHITECT/ENGINEER AND LESSEE.
3. DO NOT SCALE BUILDING OPERATIONS FROM DRAWINGS.
4. ANY EXCAV AND/OR FIELD LOGS ENCOUNTERED DURING CONSTRUCTION SHALL BE RETURNED TO ITS ORIGINAL CONDITION PRIOR TO COMPLETION OF WORK. SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON AS-BUILT DRAWINGS PROVIDED BY THE CONTRACTOR AND ISSUED TO ARCHITECT/ENGINEER AT COMPLETION OF PROJECT.
5. ALL EXISTING UTILITIES, FACILITIES, CONDITIONS, AND THEIR DIMENSIONS SHOWN ON PLANS HAVE BEEN FIELD CHECKED BY ARCHITECT/ENGINEER. LESSEE AND OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS OR THE MANNER OF THEIR RECORD OR ADJUSTMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COMPANY DETAIL INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF RECORDING OR ADJUSTING EXISTING UTILITIES.
6. CONSTRUCTION SHALL VERIFY ALL EXISTING UTILITIES BOTH HORIZONTALLY AND VERTICALLY PRIOR TO START OF CONSTRUCTION. ANY COMPANY PROVIDED THE LOCATIONS AND DEPTHS OF ALL UTILITIES SHALL BE FIELD CHECKED AND IMMEDIATELY REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE RESOLUTION OF THE DISCREPANCY CORRECTS THE ARCHITECT/ENGINEER. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR SHALL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE. CONTRACTOR SHALL CALL LOCAL OGGER HOT LINE FOR UTILITY LOCATIONS AT ALL STAGES OF CONSTRUCTION.
7. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FRESH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK.
8. THE BUILDING DEPARTMENT ISSUING THE BUILDING PERMIT SHALL BE NOTIFIED AT LEAST TWO WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORK OR IMPROVEMENTS AND BY THE ARCHITECT/ENGINEER AND LESSEE AND OWNER.
9. GRADING OF THE SITE WORK AREA IS TO BE GRADUOUS AND CONTINUOUS IN SLOPE AND IS TO FEATHER INTO EXISTING GRADES AT THE GRADING LIMITS.
10. ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
11. STRUCTURAL FILLS SUPPORTING PERMITS SHALL BE COMPACTED TO 100% OF MAXIMUM STANDARD PROCTOR DRY DENSITY.
12. NEW GRADES NOT IN BUILDING AND DRAINWAY IMPROVEMENT AREA TO BE ACHIEVED BY FILLING WITH APPROVED CLEAN FILL AND COMPACTED TO 95% OF STANDARD PROCTOR DRY DENSITY.
13. ALL FILL SHALL BE PLACED IN UNIFORM LIFTS, EACH LIFT'S THICKNESS SHALL NOT EXCEED THAT WHICH CAN BE PROPERLY COMPACTED THROUGHOUT ITS ENTIRE DEPTH WITH THE EQUIPMENT AVAILABLE.
14. ANY FILLS PLACED ON EXISTING SLOPES THAT ARE STEEPER THAN 10 HORIZONTAL TO 1 VERTICAL, AND ALL OTHER DEPOSITS WILL REMAIN UNCHANGED SLOPE AS DETERMINED BY A GEOTECHNICAL ENGINEER.
15. THE GRADES WITHIN FENCED AREAS ARE TO BE ACHIEVED BY COMPACTING CLEAN FILL TO A DENSITY OF 70% OF STANDARD PROCTOR COVERING THE AREA WITH TWO (2) LAYERS OF SIX (6) IN. VIBRODOME (1/2" MIN. OVERLAP AT ALL SEAMS) FOR BEST SUPPRESSION, THEN ACHIEVING FINISH GRADE BY ADDING 6" OF 3/4" CRUSHED STONE COVER.
16. CONTRACTOR SHALL CLEAN EXISTE SITE AFTER CONSTRUCTION SUCH THAT NO PAVERS, BRICKS, WOODS, AND OTHER DEPOSITS WILL REMAIN. ALL MATERIALS COLLECTED DURING CLEANING OPERATIONS SHALL BE DISPOSED OF OFF-SITE BY THE GENERAL CONTRACTOR.
17. ALL TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONTACT WITH IMPROVEMENTS SHALL BE REMOVED AS REQUIRED AND PROTECTED IN PLACE BY THE GENERAL CONTRACTOR.
18. DRAINWAY CONSTRUCTION, GRADING AND DRAINAGE WORK SHALL CONFORM TO CALIFORNIA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITIONS, AND ALL APPLICABLE EDITIONS OF LOCAL AGENCY SPECIFICATIONS.

19. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE AND INSTALL ALL REQUIRED SIGNS FOR THIS PROJECT. THE CONTRACTOR SHALL OBTAIN WRITTEN INSTRUCTIONS FROM THE IMPLEMENTATION ENGINEER AS TO THE EXACT MATERIAL, SIZE, WORDING, AND LOCATION FOR ALL SIGNS.
- SIGNS THAT MAY BE REQUIRED INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
- a. 7x24 ACCESS SIGN
 - b. SITE ENTRY SIGN
 - c. AEROSOL STRUCTURE COMPLIANCE SIGN
 - d. NEPA RF EXPOSURE SIGN(S)
 - e. ANY ADDITIONAL SIGNS AS REQUIRED BY "CINCULAR" WIRELESS AND/OR GOVERNMENTAL AGENCIES.

DATE: 08/12/17

ARCHITECT: DKO

2004-2005

CHECKED BY: BOW

ISSUE STATUS:

[illegible]**mobilitie**

PLANS PREPARED BY:

DCI PACIFIC
AIEIC WORKS

ARCHITECTS | ENGINEERS | CONSULTANTS
25 LAKESHORE PARK | SUITE 100
EVANSTON | IL 60201

LICEVOLUME



PROJECT NAME:

SD061834

PROJECT NUMBER:

SILVER WING TREE

PROJECT ADDRESS:
3737 AREY DRIVE
SAN DIEGO, CA 92134

GENERAL AND SITE DEVELOPMENT NOTES

SHEET NUMBER

GN1

GENERAL:

PRECEDENCE: UNLESS OTHERWISE SHOWN OR SPECIFIED, THE FOLLOWING GENERAL NOTES SHALL APPLY. INFORMATION ON THE DRAWINGS SHALL HAVE PRECEDENCE.

A. ALL DIMENSIONS TO TAKE PRECEDENCE OVER SCALE SHOWN ON PLANS, SECTIONS AND DETAILS.

B. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.

C. MATERIAL NOTES AND SPECIFICATIONS ON THE DRAWINGS SHALL TAKE PRECEDENCE FOR THE PURCHASES.

D. OTHERS: SEE THE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN.

E. GENERAL DETAILS AND NOTES ON THESE SHEETS SHALL APPLY UNLESS SPECIFICALLY SHOWN OR NOTED OTHERWISE.

F. CONSTRUCTION DETAILS OF ALL FINISHES AND COATINGS SHALL BE SIMILAR TO DETAILS SHOWN FOR SIMILAR CONDITIONS.

G. SHOWING IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL ALL TEMPORARY BRACING AND SHORING TO MAINTAIN THE SAFETY OF THE STRUCTURE DURING THE CONSTRUCTION PERIOD. THE CONTRACTOR UNDERWRITES EXISTING FOOTINGS WHERE APPLICABLE.

H. SAFETY: THESE STRUCTURAL DRAWINGS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE INDICATED, THEY DO NOT SHOW THE METHOD OF CONSTRUCTION.

I. WATERPROOFING: WATERPROOFING AND DRAINAGE, DETAILS AND SPECIFICATIONS, ALTHOUGH SOMETIMES SHOWN ON STRUCTURAL DRAWINGS ARE OF GENERAL INFORMATION ONLY. WATERPROOFING AND DRAINAGE SHALL BE THE DESIGN RESPONSIBILITY OF THE ARCHITECT.

J. STEEL

ALL STRUCTURAL STEEL SECTIONS, WELDED PLATES AND ALL OTHER ASSEMBLY COMPONENTS SHALL BE HOT-ROLLED.

ALL STRUCTURAL STEEL SECTIONS AND WELDED PLATE MEMBERS SHALL CONFORM TO ASTM A-36 AND BE FABRICATED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE AISI. JOISTS SHALL CONFORM TO ASTM A-900 UNLESS OTHERWISE NOTED ON PLANS. HANG-ROD BOLTS SHALL CONFORM TO ASTM A-325.

STEEL PIPE COLUMNS SHALL BE GRADE "X" CONFORMING TO ASTM A53.

STEEL TRUSSING SHALL BE GRADE "X" CONFORMING TO ASTM A500.

ALL WELDING SHALL BE DONE BY THE SHIELDED ARC METHOD. ALL WELDS SHALL BE FULLY PENETRATING AND BE OF THE PRE-APPLIED SURPLUS METAL SHALL BE DRESSED OFF TO SMOOTH. EVEN SURFACES WHERE WELDS ARE NOT EXPOSED TO WEATHER SHALL COMPLY WITH THE LATEST AISC'S SPECIFICATIONS.

THE FOLLOWING WELDING EQUIPMENT MUST BE USED:

A. 250 AMP WELDERS

B. QUALITY INSPECTED ELECTRODES

C. CRANERS

NO BOLT BOXES SHALL BE USED.

ALL STRUCTURAL STEEL SHALL HAVE MILL CERTIFICATION. MILL CERTIFICATION SHALL BE KEPT ON THE JOB SITE FOR EXAMINATION BY THE DESIGN ENGINEER AND THE CITY INSPECTOR.

ALL HIGH STRENGTH BOLTS SHALL HAVE MILL CERTIFICATION. MILL CERTIFICATION SHALL BE KEPT ON THE JOB SITE FOR EXAMINATION BY THE INSPECTOR.

STEEL THAT HAS BEEN WELDED, CUT OR SCRAPED IN THE FIELD SHALL BE TOUCHED UP WITH GALVANEPAINT PAINT.

WELDING INDICATED IN THESE DRAWINGS IS DESIGNED FOR ONE WAY OR TWO WAY CONNECTIONS. THE DESIGNER SHALL SPECIFY NOTES "TALL STRESS" AT END OF WELD SYMBOL.

CONCRETE

STRENGTH: CONCRETE FOR THE PROJECT SHALL HAVE THE FOLLOWING ULTIMATE COMPRESSIVE STRENGTH AT AGE OF 28 DAYS:

LOCATION	STRENGTH WT.	SUAP ADJUSTURE
A SLAB & FOOTING	4500psi	50 psi ± NONE

INSPARATION: CONCRETE WITH SPECIFIED STRENGTH RATING THAN 2500psi SHALL BE CONTINUOUSLY INSPECTED DURING 7 DAYS BY A QUALITY INSPECTOR EMPLOYED BY THE TESTING LABORATORY APPROVED BY THE BUILDING DEPARTMENT.

REBAR GRIDS: REINFORCING STEEL SHALL BE CLEAN DEFORSED BARS CONFORMING TO ASTM A615 AS FOLLOWS:

#4 & SMALLER BARS.....	GRADE 40
#5 THROUGH #8 BARS..... <th>GRADE 60</th>	GRADE 60
All bars at CAISSON FOOTING..... <th>GRADE 60</th>	GRADE 60

CEMENT: FOUNDATIONS & SLABS: TYPE I, LOW ALKALI, CONFORMING TO ASTM C-150.

PUR CHASION FOOTINGS: TYPE I, LOW ALKALI.

AGGREGATE: USED IN THE CONCRETE SHALL CONFORM TO ASTM C-33. USE ONLY AGGREGATES KNOWN NOT TO CAUSE EXCESSIVE SHRINKAGE. THE MAXIMUM SIZE AGGREGATE IN CONCRETE WORK SHALL BE FOLLOWING:

A. FOUNDATIONS & SLABS 8" OR LESS: 3/4" GRAVEL
B. PLY CASION FOOTING: 1" GRAVEL

WATER: SHALL BE CLEAN AND FREE FROM OLETERIOUS AMOUNTS OF ACIDS, ALKALIS, ORGANIC MATERIALS AND BE SUBMITTED FOR ANALYSIS.

MORTAR: SHALL BE MADE IN ACCORDANCE WITH THE FOLLOWING PROPORTIONS:

PORTLAND CEMENT	SAND	WATER
1 PART	3 PARTS	BY WEIGHT

MOORING: PREPARATION OF CONCRETE SHALL CONFORM TO ASTM C-94. NO MORE THAN 90 MINUTES SHALL ELAPSE BETWEEN CASTING AND CONCRETE PLACEMENT UNLESS APPROVED BY A TESTING AGENCY.

SEGREGATION OF AGGREGATES: CONCRETE SHALL NOT BE FLOWED THROUGH REINFORCING STEEL (AS IN WALLS, COLUMNS, CAISSONS, AND REBAR CAPS) SO TO CAUSE SEGREGATION OF AGGREGATES. USE HOOPPERS, CHUTES, TRUNGS OR PLUMP HOUS SO THAT THE FREE UNIFORMED FALL OF CONCRETE SHALL NOT EXCEED 5 FEET.

SPICES OF REINFORCING STEEL SHALL BE LAPPED A MINIMUM OF 30 DIAMETERS AND SECURELY WIREB TOGETHER. SPICES OF ADJACENT REINFORCING BARS SHALL BE SUGGESTED WHERE NECESSARY.

NEAR CLEARANCES: MINIMUM COVERAGE FOR JOISTS, BEAMS, AND REBAR CAPS SHALL BE 2 INCHES. FOR FACE OF STRUTS OR TIES, UNLESS OTHERWISE NOTED, CONCRETE COVER FOR REINFORCING BARS TO FACE OF BAR SHALL BE AS FOLLOWS:

A. CONCRETE IN CONTACT WITH LAIR, UNFORMED 3"
B. CONCRETE IN CONTACT WITH LAIR, FORMED 1-1/2"
C. WALL, EXTERIOR FACE 1-1/2"
D. WALL, INTERIOR FACE 1-1/2"
E. STRUTTING SLABS 3/4"
F. JOISTS 3/4"
G. BEAMS, GIRDERS AND COLUMNS 1-1/2"

PENETRATIONS: NO SLEEVES OR CHASES SHALL BE PLACED IN BEAMS, SLABS, WALLS AND CEILING UNLESS SHOWN ON THE PLANS. CONTRACTOR SHALL OBTAIN PRIOR APPROVAL FOR INSTALLATIONS OF ANY ADDITIONAL SLEEVES OR CHASES. ALL PLUMBING, ELECTRICAL AND MECHANICAL PENETRANCES SHALL BE INSTALLED IN SUCH MANNER ALLOWED UNLESS PRIOR APPROVAL IS OBTAINED FROM THE STRUCTURAL ENGINEER.

DIMENSIONED STUDS: CONCRET PLACED IN A CONCRETE SLAB SHALL NOT BE PLACED ON OUTSIDE EDGES GREATER THAN THE THICKNESS OF THE SLAB. CONDUIT SHALL NOT BE EMBEDDED IN A SLAB THAT IS LESS THAN 3-1/2" THICK UNLESS SLAB IS LOCALLY THICKENED. MINIMUM CLEAR DISTANCE BETWEEN CONDUITS SHALL BE SIX INCHES.

ANCHORS: ALL ANCHOR BOLTS, REINFORCING STEEL, BOWLS, INSULATORS, ETC. SHALL BE LOCATED IN POSITION PRIOR TO PLACING CONCRETE. NO REPOSITION CURING CONCRETE PURE IS ALLOWED.

CURING: SLABS SHALL BE SPRAYED WITH A CURING COMPOUND IMMEDIATELY AFTER FINISHING. CURING COMPOUND USED ON CONCRETE WHERE TILE OR FLOOR COVERING IS TO BE BONDED TO THE CONCRETE SURFACE SHALL BE APPROVED BY THE TILE OR FLOOR COVERING MANUFACTURER. KEEP RECORD OF WHEN IT WAS USED.

CONSOLIDATION: ALL CONCRETE SHALL BE VIBRATED AS IT IS BEING PLACED WITH ELECTRICALLY OPERATED VIBRATING EQUIPMENT.

TIMBER

ALL FRAMING LUMBER FOR 4X AND LARGER BEAMS SHALL BE NO. 1 GRADE DOUGLAS FIR, S4S, UNLESS NOTED OTHERWISE ON THE DRAWINGS.

ALL FRAMING LUMBER FOR 2X RAFTERS AND JOISTS SHALL BE NO. 1 GRADE DOUGLAS FIR, S4S, UNLESS NOTED OTHERWISE ON DRAWINGS.

STRIPPING, BLOCKING, BRACING AND OTHER NON-STRUCTURAL LUMBER SHALL BE NO. 2 OR STD B STR GRADE DOUGLAS FIR, S4S. 2nd STUD BOLTS SHALL BE OF STD. STANDARD A BTA.

ALL DEAD, JOISTS AND RAFTERS SHALL BE INSTALLED WITH GROWN END.

ROOF PLYWOOD SHALL MATCH EXISTING PLYWOOD SHEATHING WITH A SPAN RIDEY NOTED 32/18. EDGE JAIL WITH B+6 AT 6" O.C. UNLESS NOTES OTHERWISE ON PLANS. FIELD MAIL WITH B+6 AT 12" O.C.

PLYWOOD SHEETS SHALL BE Laid WITH THE FACE GRN. PLYWOOD SHALL BE GRADE MARKED BY OFPA, TEDOS, OR PLT AND SHALL CONFORM TO PS-1-83.

EXCISED PILE AT THE BOTTOM OF EACH PILING SHALL BE REMOVED UNLESS OTHERWISE NOTED ON PLANS.

PLYWOOD SHALL BE GRADE MARKED BY OFPA, TEDOS, OR PLT AND SHALL CONFORM TO PS-1-83.

THE MAXIMUM MOISTURE CONTENT OF ALL LUMBER SHALL NOT EXCEED 18% AT THE TIME OF INSTALLATION.

WORMHOLE HAULING SHALL COMPLY WITH TABLE 233-1-0 OF UNIFORM BUILDING CODE. ALL NAILS SHALL BE CORONA WAVE NAILS.

ALL BOLTS SHALL HAVE STANDARD CUT WASHERS UNDER HEADS AND, IF NUTS WHERE IN CONTACT WITH WOOD.

LAD BOLTS SHALL BE SIZED AND SPACED NOT TO DRIVEL LAD BOLTS SHALL BE INSTALLED IN SUCH MANNER THAT THE HOLE DIAMETER EQUAL TO .75X DIAMETER OF BOLT.

CONNECTORS: ALL STEEL METAL FRAMING CONNECTORS SHOWN IN THE PLANS SHALL BE SHOWN CONNECTIONS AS MANUFACTURED BY THE SAME COMPANY. SUBSTITUTIONS MAY BE MADE WHEN APPROVED BY THE STRUCTURAL ENGINEER.

ALL LUMBER EXPOSED TO WEATHER OR IN CONTACT WITH MASONRY OR CONCRETE SHALL BE PRESSURE TREATED LUMBER OR A NATURALLY RESISTANT SPECIES SUCH AS REDWOOD OR CEDAR.

ALASKIAN YELLOW CEDAR LOG-CUMULATED BEAMS

ALUMINUM SPECKLES: ALUMINUM YELLOW CEDAR (A.C.) CONFORMING TO 20P-VI2

STRENGTH PROPERTIES:

F _v BOTTOM FLOOR BEARING STRESS 2000psi MIN.
F _t TOP FLOOR BEARING STRESS 1000psi MIN.
F _b SIGN STRESS 1800psi MIN.
F _c COMPRESSION STRESS PARALLEL TO GRAIN 500psi MIN.
E MODULUS OF ELASTICITY 1400ksi MIN.

C. CAMBER TO ROCKS OF 100' W.L.D.

D. ALL GL'S SHALL BE FABRICATED WITH EXTERIOR RUDE.

E. MANUFACTURE OF GL'S SHALL CONFORM TO THE USC.

F. GL-CUM-LAM MATERIAL SHALL BE IN ACCORDANCE WITH ANSI/AIA A1901 AND ANSI D3737.

A. GENERAL

1. ALL ANTENNAS AND ANTENNA CABLE SHALL BE FURNISHED BY T-MOBILE AND INSTALLED BY ANTENNA INSTALLATION CONTRACTOR.
2. PRIOR TO PLACEMENT OF ANTENNA POLE MOUNTS THE CONTRACTOR SHALL VERIFY THAT THE AZIMUTH AND DIMENSIONS SHOWN ON THE PLANS MATCH ACTUAL FIELD CONDITIONS.
ALLOWABLE TOLERANCE:
HORIZONTAL ALIGNMENT ± 5 DEGREES
VERTICAL ALIGNMENT ± 1 DEGREE
3. ANTENNA INSTALLATION CONTRACTOR SHALL PROVIDE ALL CONDUIT, CABLE TRAY, GROUND RITS, CLAMPS, GROUNDS, ETC. FOR COMPLETE INSTALLATION OF ANTENNAS AND CABLES SHOWN AND INTENDED AS REQUIRED FOR A COMPLETE OPERATING SYSTEM IN ACCORDANCE WITH T-MOBILE STANDARDS.
4. IN NO CASE SHALL THERE BE ANY MORE THAN TWO (2) 90 DEGREE TURNS (OR EQUIVALENT) IN ANY CONTINUOUS LENGTH OF CONDUIT BETWEEN POLES OR SIMILAR FEATURES.
5. ANTENNA CONDUIT SHALL ONLY INCLUDE FACTORY-MADE LARGE RADIUS SWEEPS AT ALL CHANGES IN DIRECTION. SWEET RADIUS SHALL BE 18" MINIMUM ABOVE GROUND AND 36" MINIMUM BELOW GROUND.
6. CONDUIT SHALL BE 3" DIAMETER MINIMUM. ALL UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC. ALL EXPOSED CONDUIT ABOVE GRADE LEVEL SHALL BE IMC OR RIGID GALVANIZED. ALL EXPOSED CONDUIT PROTECTED IN A BUILDING OR ON A ROOF SHALL BE EMT OR UV STABILIZED PRINTED SCHEDULE 80 PVC.
7. IN HIGH TRAFFIC AREAS OR WHERE SUSCEPTIBLE TO DAMAGE CONTRACTOR SHALL PROVIDE FORMED 14 GA GALVANIZED SHEET METAL COVER OVER COAXIAL CABLE ROUTES. WHERE CABLE IS RUN ON THE WALL, ATTACH UNISTRUT TO WALL AND MATERIAL AS DIRECTED BY T-MOBILE CONSTRUCTION MANAGER.

B. NOTICES

1. VERIFY ROUTE AND LENGTH OF CABLE PRIOR TO CUTTING. ADJUST INDICATED ROUTE AS REQUIRED TO CLEAR EXISTING OBSTRUCTIONS AND MAINTAIN REQUIRED CLEARANCE FROM EXISTING EQUIPMENT & FACILITIES.
2. MAXIMUM LENGTH OF 7/8" COAXIAL CABLE SHALL BE 150'-0". MAXIMUM LENGTH OF 1-5/8" COAXIAL CABLE SHALL BE 350'-0".
3. VERIFY MODEL NUMBERS OF ANTENNAS WITH T-MOBILE SERVICES.
4. THE CONTRACTOR SHALL PROVIDE TESTING OF ANTENNAS AND SHALL PROVIDE DOCUMENTATION TO THE T-MOBILE PROJECT MANAGER.
5. INSTALL EMBOSSED ALUMINUM IDENTIFICATION TAGS AT EACH END OF THE JUMPER CABLE. ALONG WITH THE END OF THE JUMPER CABLE LOCATED WITHIN THE PLUMB SECTION OF THE RITS UNIT. TAGS SHALL BE LABELED PER THE FOLLOWING:

ANTENNA 1, ALMA RX=A1R TX=A1T ANTENNA 7, ALMA RX=B3R TX=B3T
ANTENNA 2, ALMA RX=A2R TX=A2T ANTENNA 8, ALMA RX=B4R TX=B4T
ANTENNA 3, ALMA RX=A3R TX=A3T ANTENNA 9, ALMA RX=C1R TX=C1T
ANTENNA 4, ALMA RX=A4R TX=A4T ANTENNA 10, ALMA RX=C2R TX=C2T
ANTENNA 5, ALMA RX=B1R TX=B1T ANTENNA 11, ALMA RX=C3R TX=C3T
ANTENNA 6, ALMA RX=B2R TX=B2T ANTENNA 12, ALMA RX=C4R TX=C4T

RT (R1)	RT (R2)	RT (R3)	RT (R4)	RT (R5)	RT (R6)	RT (R7)	RT (R8)	RT (R9)	RT (R10)	RT (R11)	RT (R12)	RT (R13)	RT (R14)	RT (R15)	RT (R16)	RT (R17)	RT (R18)	RT (R19)	RT (R20)
RT (R21)	RT (R22)	RT (R23)	RT (R24)	RT (R25)	RT (R26)	RT (R27)	RT (R28)	RT (R29)	RT (R30)	RT (R31)	RT (R32)	RT (R33)	RT (R34)	RT (R35)	RT (R36)	RT (R37)	RT (R38)	RT (R39)	RT (R40)

CONVEX CONNECTOR REQUIREMENTS

1. TORQUE TOLERANCE: $\pm 28\text{N} \cdot \text{m}$ ($\pm 2.71\text{ ft} \cdot \text{lb}$)
2. FOR DIN CONNECTORS THE CONNECTION TORQUE (CONNECTOR TO CONNECTOR) SHALL BE: 11 $\text{N} \cdot \text{m}$ ($\pm 1.0\text{ ft} \cdot \text{lb}$), 15.3 $\text{N} \cdot \text{m}$ ($\pm 1.4\text{ ft} \cdot \text{lb}$) FOR 20 $\text{N} \cdot \text{m}$ ($\pm 1.8\text{ ft} \cdot \text{lb}$)
3. FOR ALL CONNECTORS, T-LOCKED STANDARD PROCEDURE IS TO TIGHTEN THE BACK NUT ONTO THE CONNECTOR BODY, A TORQUE WRENCH OF A SUITABLE SIZE AND TYPE SHOULD BE USED TO TIGHTEN THE TORQUE WRENCH TO THE TORQUE SPECIFIED IN THE ADAM CONNECTOR ON THE CABLE SIDE OF THE CONNECTION. STANDARD OPEN END WRENCHES SHOULD BE USED FOR THE CONNECTOR DOG EARS.
4. THE PRESENCE OF CONTACT SURFACES IS VERY IMPORTANT IN OBTAINING GOOD CONNECTOR PERFORMANCE. NEW CONNECTORS ARE CLEAN WHEN PACKAGED AND T-MODEL STRESSES THE NEED TO CLEAN THE CONTACTS. CLEANING AND FINISH FROM CORPUS FLANGES IN THE CONNECTOR ASSEMBLY PROCESS.

MINIMUM TORQUE VALUE FOR ALL DIN, PLUG CONNECTORS

PLUGGING CABLE TYPE	CONNECTION BACKSIDE TORQUE WRENCH SIZE	MIN. COUPLING TORQUE FOR BACKSIDE TO BODY ASSEMBLY
PLC 12-50	7/8" (D ₁₂)	13 $\text{N} \cdot \text{m}$ ($\pm 1.1\text{ ft} \cdot \text{lb}$)
PLC 16-50	1" (D ₁₆)	15 $\text{N} \cdot \text{m}$ ($\pm 1.3\text{ ft} \cdot \text{lb}$)
PLC 78-50	1-3/8"	20 $\text{N} \cdot \text{m}$ ($\pm 1.8\text{ ft} \cdot \text{lb}$)
PLC 112-50	1-7/8"	25 $\text{N} \cdot \text{m}$ ($\pm 2.2\text{ ft} \cdot \text{lb}$)
PLC 150-50	2"	30 $\text{N} \cdot \text{m}$ ($\pm 2.7\text{ ft} \cdot \text{lb}$)
PLC 178-50	2-1/8"	35 $\text{N} \cdot \text{m}$ ($\pm 3.1\text{ ft} \cdot \text{lb}$)
PLC 200-50	2-1/4"	40 $\text{N} \cdot \text{m}$ ($\pm 3.6\text{ ft} \cdot \text{lb}$)



ISSUE STATUS:			
Δ	DATE:	DESCRIPTION:	BY
-	05/22/13	NEW CD	M
-	05/31/13	NOV CD	M
-	01/24/15	REVISED CD	M
-	01/20/16	PLAN CHECK CORRECTIONS	M
-	02/10/16	PLAN CHECK CORRECTIONS	M
-	02/18/16	P & R COMMENTS	M
-	03/31/16	NOB CUP	M
-	05/22/17	NEW CD FOR REDUCION	M
Δ	06/12/17	PC REDUCTION NO.1	M

**mobilitie**

DCI PACIFIC
AIEIC WORKS

ABC-BYTECLANE | ENGINEERING | CONSULTING
32 EXECUTIVE PARK | SUITE 110
DUBLIN, CA 94568

LEGISLATION:



PROJECT NAME:

SD06183A

PROJECT NUMBER:

SILVER WIND TREE

PROJECT ADDRESS: _____

3737 ARLEY DRIVE
SAN DIEGO, CA 92154

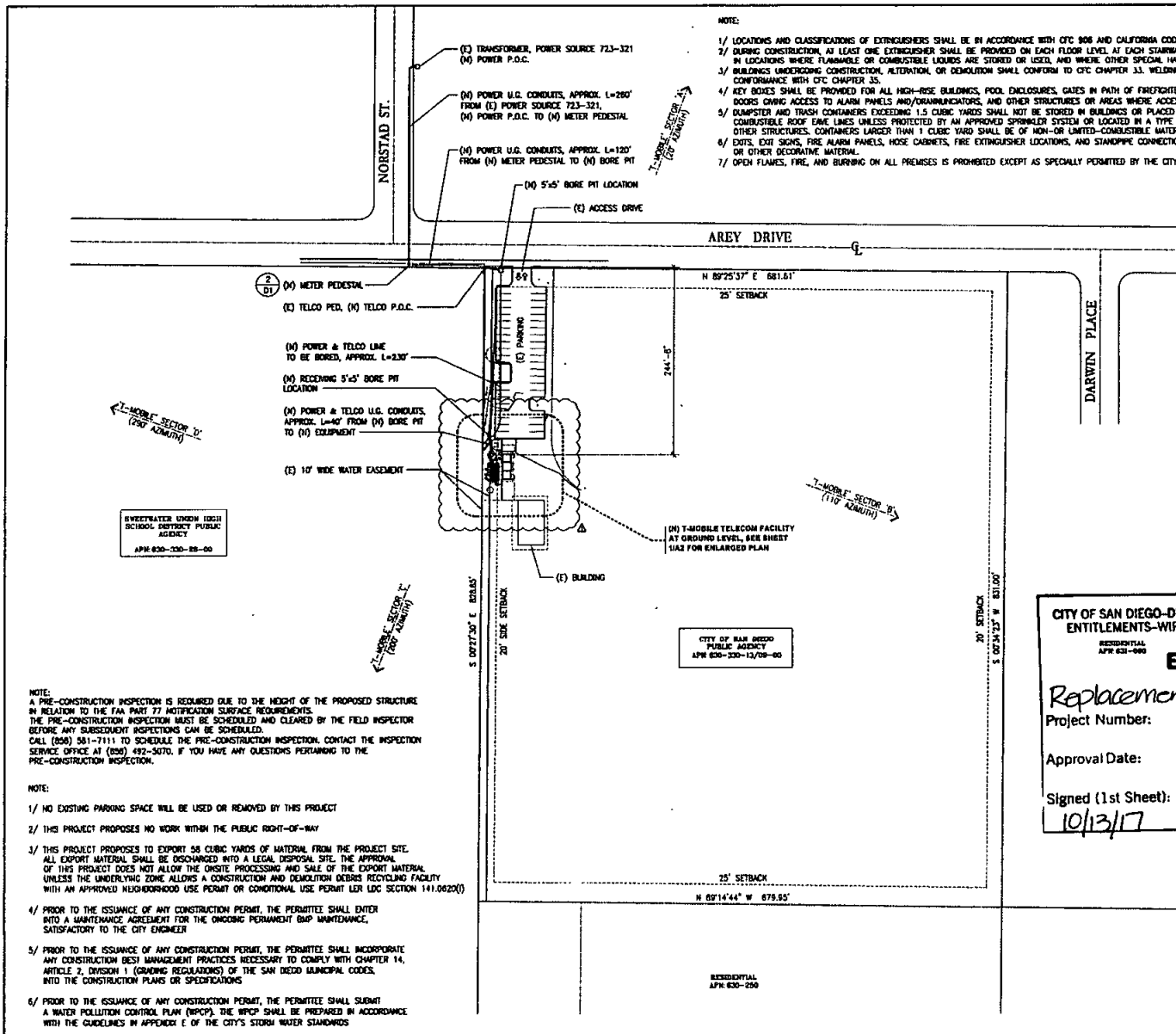
WHEET TITLE:

STRUCTURAL SPECS.,
GENERAL ANTENNA AND

CABLE NOTES

GN2

1. *Journal of Management Studies*, 1990, 27, 1, 1-14.



SITE PLAN

DATE:	08/13/17
ARCHITECT:	DCI
DRAWN BY:	PH
CHECKED BY:	BOOK
ISSUE STATUS:	
Δ DATE:	DESCRIPTION
04/22/15	REV C3
05/11/15	REV C3
02/24/15	REV C3
01/06/16	PLAN CHECK CORRECTIONS
03/16/16	PLAN CHECK CORRECTIONS
03/16/16	P & R CORRECTIONS
03/11/16	REV C3P
05/25/17	REV C3 PER REVISION
06/13/17	REV C3 PER REVISION
PLANS PROVIDED BY:	
DCI PACIFIC	
A/E/C WORKS	
ARCHITECTURE ENGINEERING CONSULTING 30 KANAWAY PARK E SUITE 110 SAN DIEGO, CA 92108	
LICENSING:	
PROJECT NAME:	
SD08183A	
PROJECT NUMBER:	
SILVER WING TREE	
PROJECT ADDRESS:	
3737 AREY DRIVE SAN DIEGO, CA 92154	
SHEET TITLE:	
SITE PLAN	
SHEET NUMBER:	
A1	

CITY OF SAN DIEGO-DEVELOPMENT SERVICES DEPARTMENT
ENTITLEMENTS-WIRELESS COMMUNICATION FACILITIES

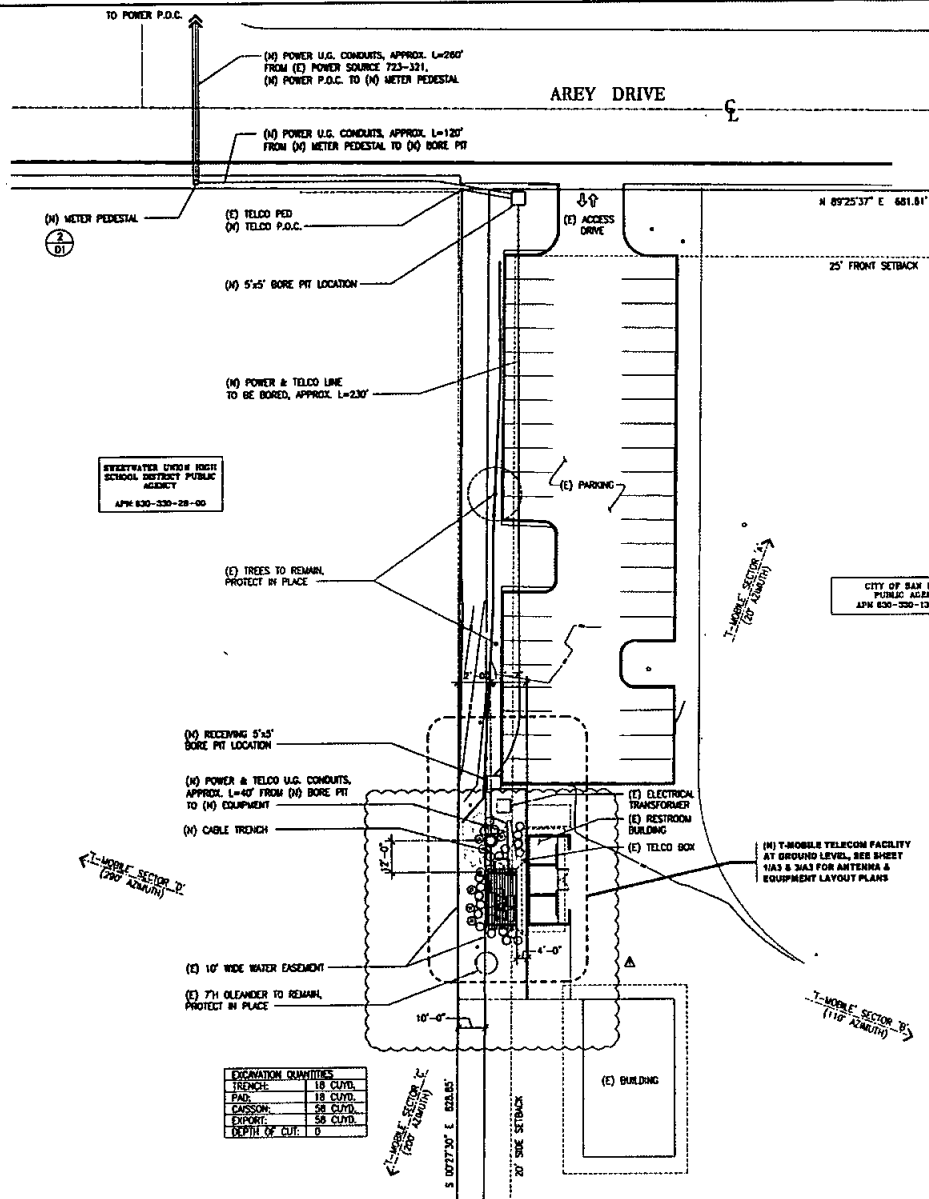
RESIDENTIAL
APR 621-000

EXHIBIT "A"

Replacement
Project Number: 384275

Approval Date: 9/24/15

Signed (1st Sheet):
10/13/17



CITY OF SAN DIEGO-DEVELOPMENT SERVICES DEPARTMENT
ENTITLEMENTS-WIRELESS COMMUNICATION FACILITIES

EXHIBIT "A"

Replacement
Project Number: 384275
Approval Date: 9/24/15
Signed (1st Sheet): 10/31/17

Lessee's Certificate
Standard Wireless Facility Project
for Post-construction QA/QC's

I, on the undersigned, as holder of a portion of the property described as
3737 AREY DR. SAN DIEGO, CA 92154
(Address or legal description)
understand that, in accordance with the San Diego Municipal Code, Land
Development Ordinance - Storm Water Standards, this project is required to "Identify
Pollutants from the Project Area" and incorporate "Site Design" and "Erosion
Control" BMPs.

I certify to the best of my knowledge, that the pollutants anticipated by the
proposed land use are as follows:

Sediments
Nutrients
Toxic & debris
Organic Decomposing Substances
Oil & Grease
Bacteria & Viruses
Pesticides

I/We will incorporate the following into the site design:

- Maintain pre-development runoff characteristics
- Maintain impervious foot print by constructing walkways, paths and
driveways with permeable surfaces.
- Construct natural areas
- Use natural drainage systems as opposed to lined canals or underground
drainage systems.
- Drain and topsoil, walkways, paths and driveways into adjacent landscaping
prior to discharging to the public drainage system.
- Preserve existing native trees and shrubs
- Plant all shrubs from natives

Additionally, I/we will:

- Maintain the best of practices
- Use efficient irrigation systems and landscape design, incorporating rate
control devices and flow reducers as needed

I/we will maintain the above Standard Permanent BMP's for the duration of the
lease.

Lessee: Robert Krebs Company Name: T-Mobile
Date: 9/24/10

DATE:	06/12/17
ARCHITECT:	DKD
DRAWN BY:	HBI
CHECKED BY:	BOX
ISSUE STATUS:	
Δ DATE:	DESCRIPTION:
06/12/17	REV. 02
06/12/17	REV. 03
06/12/17	REV. 04
06/12/17	REV. 05
06/12/17	REV. 06
06/12/17	REV. 07
06/12/17	REV. 08
06/12/17	REV. 09
06/12/17	REV. 10
06/12/17	REV. 11
06/12/17	REV. 12
06/12/17	REV. 13
06/12/17	REV. 14
06/12/17	REV. 15
06/12/17	REV. 16
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06/12/17	REV. 18
06/12/17	REV. 19
06/12/17	REV. 20
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06/12/17	REV. 28
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06/12/17	REV. 90
06/12/17	REV. 91
06/12/17	REV. 92
06/12/17	REV. 93
06/12/17	REV. 94
06/12/17	REV. 95
06/12/17	REV. 96
06/12/17	REV. 97
06/12/17	REV. 98
06/12/17	REV. 99
06/12/17	REV. 100

ENLARGED SITE PLAN

SCALE: 1"=40'-0"

A2

NOTE: COAX CABLE LENGTH IS APPROXIMATE, CONTRACTOR TO FIELD VERIFY CABLE LENGTHS PRIOR TO ORDERING, FABRICATION, OR INSTALLATION OF CABLES.

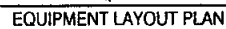
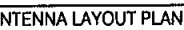
Replacement

Project Number: 302275

Approval Date: 9/24/15

Signed (1st Sheet): LU

WOOD

A3

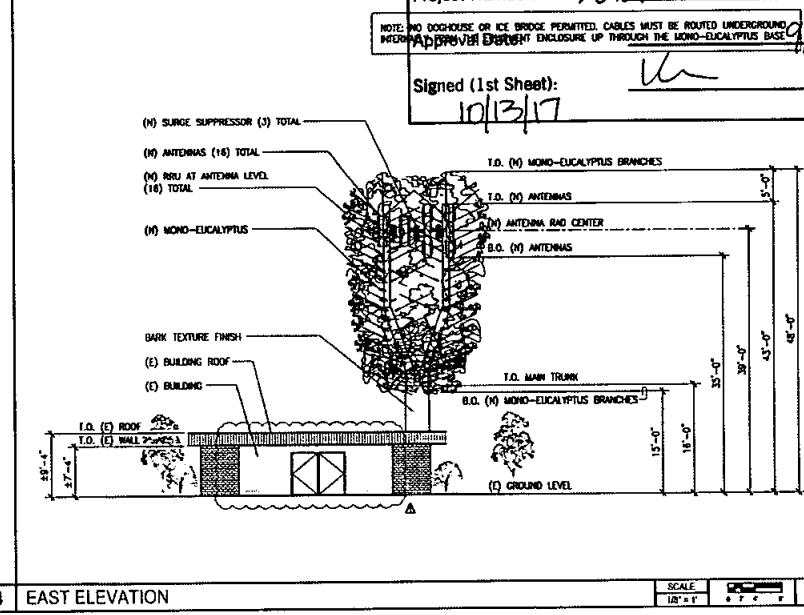
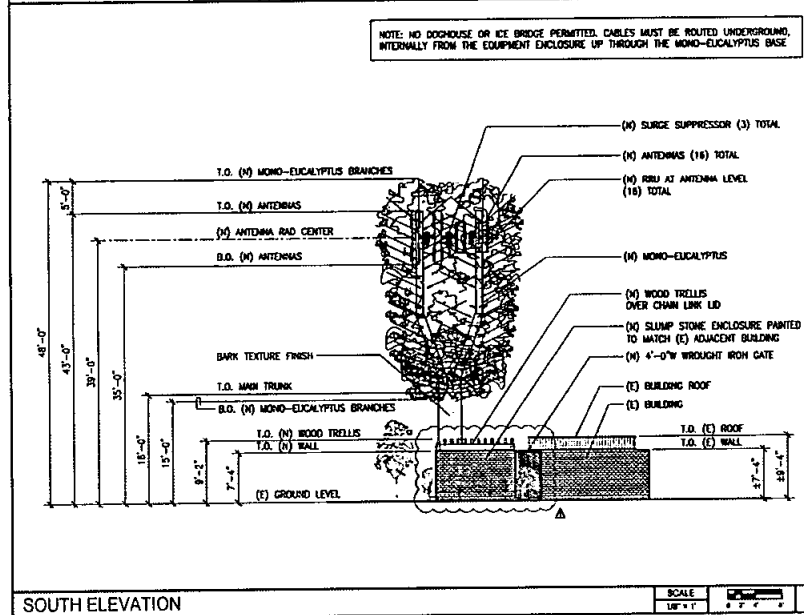
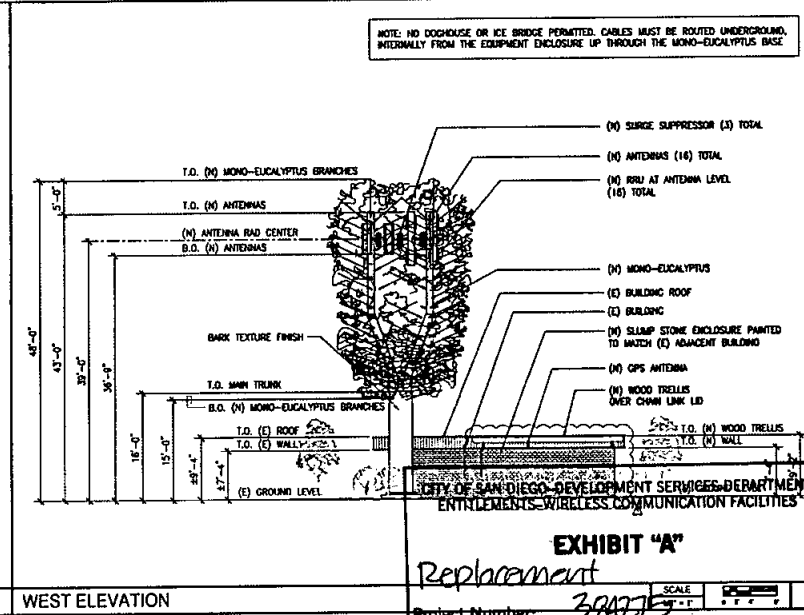
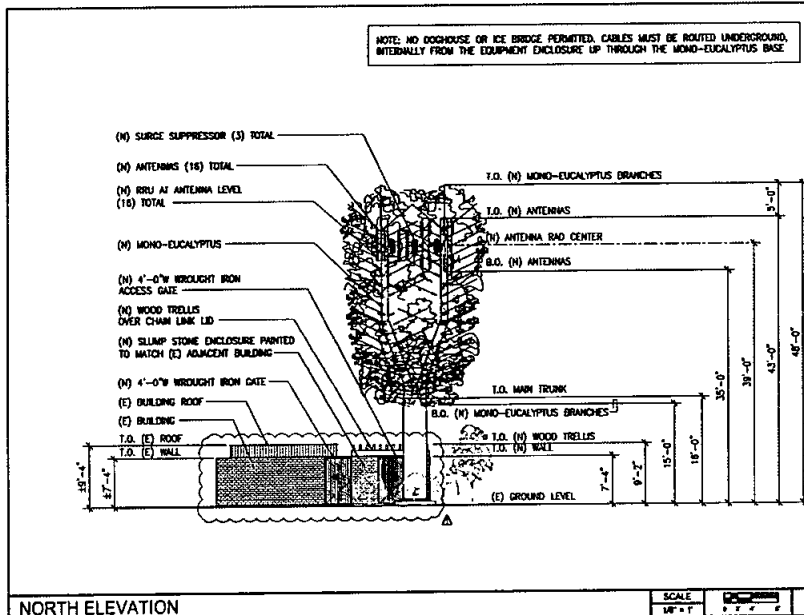


EXHIBIT "A"
 Replacement
 Project Number: 30227
 Signed (1st Sheet): 10/13/17

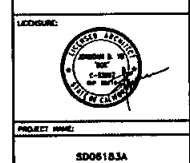
DATE: 08/12/17
 ARCHITECT: DCD
 DRAWING BY: HJ
 CHECKED BY: BOB

ISSUE STATUS:

DATE	DESCRIPTION	BY
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08/11/17	FOR CD	HJ
07/27/17	FOR CD	HJ
07/26/17	PLAN CHECK CORRECTIONS	HJ
07/25/17	PLAN CHECK CORRECTIONS	HJ
07/24/17	P & P COMMENTS	HJ
07/23/17	FOR CD	HJ
07/22/17	FOR CD	HJ
07/21/17	FOR CD	HJ



DCI PACIFIC
 A/E/C WORKS
 ARCHITECTURE | ENGINEERING | CONSTRUCTION
 12000 RIVERVIEW BLVD, SUITE 100
 IRVINE, CA 92614



PROJECT NAME:
 SD06183A
 PROJECT NUMBER:
 SILVER WING TREE
 PROJECT ADDRESS:
 3737 AREY DRIVE
 SAN DIEGO, CA 92134
 SHEET TITLE:
 ELEVATIONS
 SHEET NUMBER:

A4

CITY OF SAN DIEGO-DEVELOPMENT SERVICES DEPARTMENT
ENTITLEMENTS-WIRELESS COMMUNICATION FACILITIES

EXHIBIT "A"

Replacement
Project Number: 3804775
Approval Date: 9/24/15
800 10766V01
700 MHz Dual Band 8', 65 Degree Antenna
RET 10/13/17

KATHREIN
SCALA DIVISION

- X-polarized (+45° and -45°).
- UV resistant fiberglass radomes.
- Wideband vector ripple technology.
- DC Grounded metallic parts for impulse suppression.
- RET motor housed inside the radome and field replaceable.

General specifications:

Frequency range	608-804 MHz & 1710-2170 MHz
Impedance	50 ohms
VSWR	<1.5:1
Intermodulation (2x20W)	IM3 < -150 dBc
Polarization	+45° and -45°
Connector	4 x 7-16 DIN female (long neck)
Isolation	in system >30 dB if intersystem >35 dB

See reverse for order information.

RET specifications:

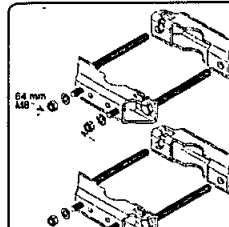
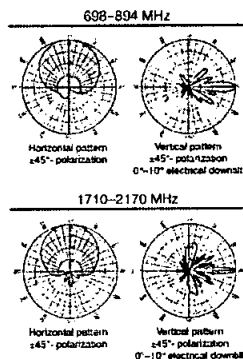
Logical interface as factory	3GPP/4G/5G
Protocols	AISG 1.1 and 3GPP/4G/5G 2.0 compliant
Hardware interface	2 x 8-pin connector acc. IEC 60130-4; according to AISG - RCUin (male) / Control / Daisy chain in - RCUout (female). Daisy chain out
Power supply	10-30 V
Power Consumption	<1 W (standby); <0.5 W (motor activated)
Adjustment time (full range)	40 seconds
Adjustment cycles	>10,000
Certification	FCC 15.107 Class B Computing Devices

Specifications:

	608-804 MHz	824-894 MHz	1710-1755 MHz	1850-1990 MHz	2110-2170 MHz
Gain	16.4 dB	16.8 dB	18 dB	18.5 dB	19 dB
Front-to-back ratio	>30 dB (co-polar) 34 dB (average)	>30 dB (co-polar) 34 dB (average)	>27 dB (co-polar) 34 dB (average)	>27 dB (co-polar) 34 dB (average)	>27 dB (co-polar) 34 dB (average)
Maximum input power per input	500 watts (at 50°C)	600 watts (at 50°C)	300 watts (at 50°C)	300 watts (at 50°C)	300 watts (at 50°C)
+45° and -45° polarization horizontal beamwidth	66° (half-power)	65° (half-power)	63° (half-power)	62° (half-power)	63° (half-power)
+45° and -45° polarization vertical beamwidth	9.5° (half-power)	8.7° (half-power)	5.8° (half-power)	5.8° (half-power)	5.8° (half-power)
Electrical downtilt	0°-10°	0°-10°	0°-10°	0°-10°	0°-10°
Min side lobe suppression for this side lobe above main beam average	16 dB 18 dB 19 dB	18 dB 19 dB 20 dB	20 dB 22 dB 20 dB	20 dB 22 dB 20 dB	20 dB 22 dB 20 dB
Cross polar ratio	25 dB (typical)	20 dB (typical)	25 dB (typical)	30 dB (typical)	25 dB (typical)
Main direction	>10 dB, 15 dB (avg)	>10 dB, 12 dB (avg)	>10 dB, 15 dB (avg)	>10 dB, 15 dB (avg)	>10 dB, 15 dB (avg)
Tracking error	1.5°	1.5°	1.5°	1.5°	1.5°
Spurious	<25°	<25°	<3°	<3°	<3°



Kathrein Inc., Scala Division Post Office Box 4580 Medford, OR 97501 (USA) Phone: (541) 779-6500 Fax: (541) 779-3991
Email: communications@kathrein.com Internet: www.kathrein-scala.com



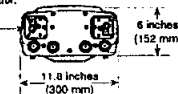
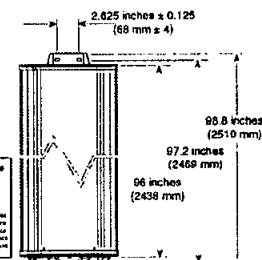
Mounting Brackets
for use with 2-point mount antennas
Max dia. 2-4.5 inches (50-115 mm)
Weight: 4.4 lb (2 kg)



Mechanical Tilt Brackets
for use with 2-point mount antennas
Weight: 9.6 lb (4.3 kg)
(Model 850-10006)

Mechanical specifications:

Weight	68.4 lb (28.5 kg)	62.8 lb (28.5 kg) clamps included
Dimensions	66 x 11.8 x 8 inches (2438 x 300 x 162 mm)	
Wind load	at 93 mph (150 kph) 200 lbf / 100 lbf / 297 lbf	
Front V-Block/Flex	1270 N / 1470 N / 1320 N	
Mounting category	160 mph (240 kph)	
Wind survival rating	160 mph (240 kph)	
Shipping dimensions	104.8 x 12.8 x 7.6 inches (2668 x 320 x 190 mm)	
Shipping weight	71.6 lb (32.5 kg)	
Mounting	Mounting hardware included for 2 to 4.8 inch (50 to 115 mm) OD mast.	



Order information:

Model	Description
800 10766V01	Dualband antenna with mounting bracket 0°-10° / 0°-10° electrical downtilt
800 10766V01 K	Dualband antenna with mounting bracket and mechanical tilt bracket 0°-10° / 0°-10° electrical downtilt

* Mechanical design is based on environmental conditions as stipulated in TIA-222-G-2 (December 2009) and/or ETS 300 019-1-4 which include the static mechanical load imposed on an antenna by wind at maximum velocity. See the Engineering Section of the catalog for further details.

All specifications are subject to change without notice. The latest specifications are available at www.kathrein-scala.com.
Kathrein Inc., Scala Division Post Office Box 4580 Medford, OR 97501 (USA) Phone: (541) 779-6500 Fax: (541) 779-3991
Email: communications@kathrein.com Internet: www.kathrein-scala.com

DATE:	06/12/17		
APPROVED:	DND		
DRAWN BY:	ISH		
CHECKED BY:	BOX		
ISSUE STATUS:			
Δ	DATE:	DESCRIPTION:	BY:
-	04/22/15	REV 02	ISH
-	05/11/15	REV 01	ISH
-	07/24/15	REV 02	ISH
-	07/24/15	PLAN CHECK CORRECTIONS	ISH
-	07/24/15	PLAN CHECK CORRECTIONS	ISH
-	07/24/15	P & E COMMENTS	ISH
-	07/24/15	REV 03	ISH
-	07/24/15	REV 04	ISH
-	07/24/15	REV 05	ISH
Δ	06/12/17	REV 06 FOR REVISION	ISH
	06/12/17	REV 06 FOR SELL	ISH



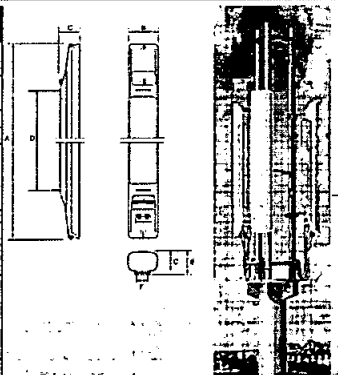
PLANS PREPARED BY:
DCI PACIFIC
A/E/C WORKS
ARCHITECTURE & ENGINEERING CONSULTANTS
32 EASTWIND PARK DRIVE 110
DOWNE, CA 92541



PROJECT NAME:	S006183A
PROJECT NUMBER:	
PROJECT ADDRESS:	SILVER WING TREE
PROJECT SITE:	3737 AREY DRIVE SAN DIEGO, CA 92154
DRAWING TITLE:	800 10766V01 ANTENNA SPECIFICATIONS
DRAWING NUMBER:	

A5

Property	Value
Height (A)	54.33 in (1380 mm)
Width (B)	12.09 in (307 mm)
Depth (C)	7.87 in (200 mm)
Distance between mounting brackets (D)	40 in (1016 mm)
Depth including mounting brackets (E)	9.39 in (238.5 mm)
Distance between stud holes on mounting brackets (F)	4.33 in (110 mm)
Weight	79.37 lb (36 kg)



7. 87 in (200 mm) of free space is needed between ATR units installed side by side.
The available pole clamp diameters are 2-4.53 in (51-115 mm) and 4.33-8.66 in (110-220 mm).
To ensure adequate airflow between the units, allow a minimum of 400 mm free space above each

- **Radio:**
 - Frequency bands: 1900 MHz (B2) and 1700/2100 MHz (B4)
 - One active antenna/radio, supporting e.g. 2x2 MIMO, 2 Tx + 4 Rx
 - 8 Carriers (4 carriers per radio)
 - BW = 20 MHz per radio
- **Antenna**
 - One best in class 65° passive antenna: 17.2 to 17.8 dBi gain
 - Two integrated RETs, one per frequency band, 2° - 12° tilt
 - Vertical beam width: 6.5°, 7.1°
 - Dual column for UL beam-forming / 4-way RX Diversity
- **Interfaces**
 - Two optical fiber ports (CPRI) for active antenna/radio
 - One power connector, 48 V DC
 - Two 7/16 female connectors for passive antenna, with RET support
 - Two QMA connectors for LMU (RX sharing ports) on 1900 MHz variant
- **Physical Characteristics:**
 - $H \times W \times D = 1404 \times 307 \times 200 \text{ mm}$ (55" $\times$ 12" $\times$ 7.9")
 - 38 kg (83 lbs)
 - <750 N Wind load (worst direction, static @ 150 km/h)



EXHIBIT "A"

Replacement

Project Number:

Approval Date:

Signed (1st Sheet):

(1st sheet):
10/3/17

DATE:	06/12/17	
ARCHIVER:	OKD	
FORMER BY:	MM	
CHECKED BY:	BOOK	
ISSUE STATUS:		
Δ	DATE:	DESCRIPTION:
-	04/22/19	NEW CD
-	05/11/19	NEW CD
-	01/24/15	ROBIE CD
-	01/04/16	PAIN CHECK CORRECTIONS
-	01/18/16	PAIN CHECK CORRECTIONS
-	01/16/16	P & B COMMENTS
-	03/31/16	ADD CLIP
-	06/22/17	NEW CD FOR REVISION
Δ	06/12/17	RE REVISION NO.1

**mobilitie**

PLANS PREPARED BY:

DCI PACIFIC
A|E|C WORKS

ARCHITECTURE | ENGINEERING | CONSULTING
AN EXCLUSIVE PARTNERSHIP
SAN JOSE, CA 95014

LICENSING



PROJECT NAME:	
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SDOS183A

PROJECT NUMBER	
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SILVER WING TREE

PROJECT ADDRESS:

3737 AREY DRIVE
SAN DIEGO, CA 92134

SWIFTLY TALK:

AIR2 ANTENNA SPECIFICATIONS

SHEET NUMBER:

A6

