

LOCATION MAP

verizon

KCYC HERITAGE SQUARE

VERIZON SITE LOCATION CODE: 661221

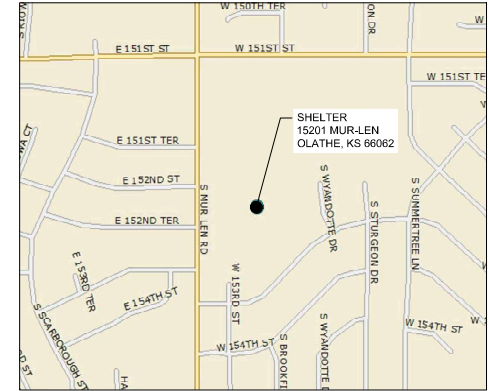
MARKET: KSMO

TOWER OWNER INFO# CROWN CASTLE

15201 MUR-LEN
OLATHE, KS 66062

UPDATED PER CLIENT COMMENTS

03/01/2024



VICINITY MAP

PLANNING DEPARTMENT
OLATHE PLANNING DEPARTMENT
100 E. SANTA FE STREET, 3RD FLOOR
OLATHE, KS 66061
PHONE: (913) 971-8750

ARCHITECTURAL & ENGINEERING FIRM
TERRA CONSULTING GROUP, LTD.
600 BUSSE HWY
PARK RIDGE, IL 60068
PHONE: (847) 698-6400
FAX: (847) 698-6401
CONTACT: TOM ZIMMERMANN

STRUCTURAL ENGINEERING FIRM
TERRA CONSULTING GROUP, LTD.
1500 WEST THIRD AVE, STE 226
COLUMBUS, OH 43212
PHONE: (614) 754-9106
CONTACT: JOHN SCHUELER

VERIZON NETWORK COMPLIANCE
VERIZON WIRELESS
400 CORPORATE CENTER DRIVE, BLDG D
WARREN, NJ 07059
PHONE: (908) 256-7010
CONTACT: NICK SAPIA

ELECTRIC COMPANY
EVERGY
PHONE: (816) 289-5514

ELECTRICAL ENGINEERING FIRM
TERRA CONSULTING GROUP, LTD.
600 BUSSE HWY
PARK RIDGE, IL 60068
PHONE: (847) 698-6400
FAX: (847) 698-6401

VERIZON IMPLEMENTATION
VERIZON WIRELESS
10000 PARK MEADOWS DRIVE, SUITE 300
LONE TREE, CO 80124
PHONE: (951) 413-9704
CONTACT: MIKE HICKEY

VERIZON NETWORK COMPLIANCE
VERIZON WIRELESS
132 CREEK CIRCLE
E. SYRACUSE, NY 13057
PHONE: (315) 877-6153
CONTACT: PHIL DUCHENE

FIBER CONTACT
TBD

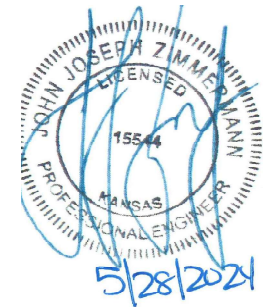
MECHANICAL ENGINEERING FIRM
TERRA CONSULTING GROUP, LTD.
600 BUSSE HWY
PARK RIDGE, IL 60068
PHONE: (847) 698-6400
FAX: (847) 698-6401

TOWER OWNER
CROWN CASTLE
TOWER OWNER SITE NO. 822158
PETE FAULHABER
PHONE: (314) 432-3158

VERIZON NETWORK COMPLIANCE
VERIZON WIRELESS
200 HIGHLAND RD
TWINSBURG, OH 44087
PHONE: (330) 807-7713
CONTACT: MARIO SPINA

REVISION HISTORY

NO.	DESCRIPTION	DATE
1	ISSUED FOR EOS REVIEW	06/14/22
2	REVISED PER CLIENT COMMENTS	08/02/22
3	REVISED FIBER ROUTE	08/24/22
4	ISSUED FOR FINAL	09/29/22
5	REVISED TRANSFORMER LOCATION	01/30/23
6	UPDATED PER CLIENT COMMENTS	02/16/23
7	REVISED PER CROWN COMMENTS	02/07/24
8	REVISED PER CROWN CASTLE COMMENTS	03/01/24
9	REVISED PER JURISDICTION COMMENTS	05/16/24
10	ADDITION OF LANDSCAPE PLANT	05/28/24



GENERAL DRAWINGS

G001 GENERAL NOTES
G002 GENERAL NOTES
G011 VERIZON STANDARDS

CIVIL DRAWINGS

C001 CIVIL GENERAL NOTES
CD101 CIVIL SITE DEMOLITION PLAN
C101 PROPOSED SITE PLAN
C501 CIVIL DETAILS
C502 CIVIL DETAILS
C503 FENCE MATERIAL DATA
C504 LANDSCAPE PLAN

ANTENNA DRAWINGS

ANT101 SITE ELEVATION
ANT102 ANTENNA SCHEMATIC
ANT501 ANTENNA PLUMBING DIAGRAM & RF PARTS LIST
ANT502 ANTENNA MOUNTING DETAILS
ANT503 ANTENNA MOUNTING DETAILS

ARCHITECTURAL DRAWINGS

A001 GENERAL NOTES & LEGEND
A101 PROPOSED FLOOR PLAN
A111 REFLECTED CEILING PLAN
A301 ELEVATIONS & SECTIONS
A302 ELEVATIONS
A501 CABLE TRAY DETAILS

STRUCTURAL DRAWINGS

S001 STRUCTURAL GENERAL NOTES
S101 FOUNDATION DETAILS

MECHANICAL DRAWINGS

M001 MECHANICAL GENERAL NOTES
M101 MECHANICAL FLOOR PLAN
M501 MECHANICAL DETAILS
M502 MECHANICAL DETAILS
M503 MECHANICAL SCHEDULES

BUILDING AUTOMATION SYSTEM

BA001 BUILDING AUTOMATION GENERAL NOTES
BAS01 BUILDING AUTOMATION NOC ALARM

ELECTRICAL DRAWINGS

E001 ELECTRICAL GENERAL NOTES
E002 ELECTRICAL GENERAL NOTES
E101 ENLARGED UTILITY ROUTING PLAN
E102 UTILITY ROUTING PLAN
E103 ELECTRICAL FLOOR PLAN
E104 POWER & LIGHTING PLAN
E111 INTERIOR GROUNDING PLAN
E112 EXTERIOR GROUNDING PLAN
E501 GROUNDING DETAILS
E502 GROUNDING DETAILS
E701 ONE LINE DIAGRAM & LOAD ANALYSIS


ATTACHMENT DRAWINGS

* SHELTER SPECIFICATIONS (BY OTHERS)

PROJECT GENERAL NOTES:		PROJECT GENERAL NOTES CONTINUED:		PROJECT GENERAL NOTES CONTINUED:	
1. THE FOLLOWING GENERAL NOTES ARE INTENDED TO SUMMARIZE REQUIREMENTS OF THE PROJECT.		15. <u>EMERGENCIES, EVACUATION PROCEDURES, & JOB SITE ACCIDENTS:</u> IN THE EVENT OF A FACILITY EMERGENCY, THE CONTRACTOR SHALL ADHERE AND ASSIST IN THE COORDINATION OF THE FOLLOWING EMERGENCY PROCEDURES: A. ASSURE PERSONNEL SAFETY B. ACCOUNT FOR ALL ON-SITE CONSTRUCTION PERSONNEL AND VISITORS. C. EVACUATE OR RECOVER D. SUMMON ASSISTANCE UPON RESTORATION OF ORDER, THE CONTRACTOR'S ON-SITE SUPERINTENDENT SHALL PROVIDE A WRITTEN REPORT DETAILING THE CAUSE OF, AND RECOVERY FROM, THE INCIDENT.		27. <u>FLOORING/FLOOR</u> ALL CUTTING AND DRILLING OF ACCESS FLOOR SHALL OCCUR IN AREAS DESIGNATED BY THE OWNER REPRESENTATIVE, FOR WORK REQUIRING THE REMOVAL OF FLOOR TILES, THE CONTRACTOR SHALL PROVIDE CONE BARRIERS AROUND ALL FLOOR OPENINGS FOR THE DURATION OF THESE ACTIVITIES. ADDITIONAL HAZARD LIGHTING SHALL ALSO BE PROVIDED, IF NECESSARY, THAT SUFFICIENTLY ILLUMINATES THE AREA AT ALL TIMES. THESE BARRIERS AND LIGHTING SHALL BE LEFT IN PLACE UNTIL THE PENETRATIONS ARE CLOSED FLUSH. REMOVAL OF FLOOR TILES AGAINST A WALL OR DOOR JAMB SHALL NOT BE DONE WITHOUT THE PERMISSION OF THE OWNER REPRESENTATIVE. UPON COMPLETION OF THE PROJECT, ALL FLOOR AREAS SHALL BE COMPLETELY CLEANED TO THE SATISFACTION OF THE OWNER REPRESENTATIVE. ALL METAL SHAVINGS SHALL BE COMPLETELY REMOVED FROM THE TILE AND ALL SHARP OR ROUGH EDGES FILLED SMOOTH. CUT/DRILED FLOOR TILES SHALL HAVE THEIR EXPOSED CONCRETE AND METAL EDGES SEALED WITH TWO COATS OF CLEAR SPRAY SEALANT PRIOR TO RE-INSTALLATION TO PREVENT FUTURE "CONCRETE DUSTING" AND CORROSION. SPRAY SEALANT SHALL BE APPLIED IN THE DESIGNATED AREAS. ALL RASED FLOOR CUTS MUST BE LINED WITH THE APPROPRIATE GROMMET OR PLASTIC TRIM TO ENSURE THAT NO ROUGH EDGES ARE EXPOSED.	
2. <u>DRAWINGS & SPECIFICATIONS:</u> A. THE DRAWINGS, SPECIFICATIONS, REFERENCED STANDARDS, OWNER WIRELESS STANDARDS, OTHER RFP ATTACHMENTS AND THE TERMS AND CONDITIONS ARE COMPLEMENTARY TO ONE ANOTHER. IN THE EVENT OF CONFLICT BETWEEN THE DRAWINGS, SPECIFICATIONS, REFERENCED STANDARDS, OWNER WIRELESS STANDARDS, OTHER RFP ATTACHMENTS OR TERMS AND CONDITIONS, THE ARCHITECT/ENGINEER SHALL BE CONTACTED FOR FORMAL INTERPRETATION OF THE REQUIREMENT. THE CONTRACTOR SHALL BE DEEMED TO HAVE PROVIDED THE MOST DETAILED AND EXPENSIVE INTERPRETATION OF THE REQUIREMENT. ANY WORK INSTALLED IN CONFLICT WITH THE ARCHITECT/ENGINEER INTERPRETATION SHALL BE CORRECTED BY THE CONTRACTOR AT HIS EXPENSE AND AT NO EXPENSE TO OWNER. B. THE INTENT OF THE DRAWINGS IS TO SHOW GENERAL SCOPE AND INTENT OF THE WORK. METHODS AND MATERIALS NOT EXPICIT BUT IMPLIED ARE INTENDED TO BE BUILDER DESIGNED, FURNISHED AND INSTALLED.		16. <u>SITE SECURITY:</u> AS REQUIRED FOR MANVED FACILITIES A VISITOR'S BADGE SHALL BE WORN BY ALL PERSONNEL AT ALL TIMES WHILE ON OWNER PROPERTY, WITHOUT EXCEPTION. ALL FORCES SHALL SIGN IN & OUT OF EACH DAY WITH THE OWNER REPRESENTATIVE TO RECEIVE THE BADGE. AT THE DISCRETION OF THE OWNER REPRESENTATIVE, THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR THE DAILY SIGN IN/OUT OF THE CONTRACTOR FORCES. A VALID DRIVER'S LICENSE OR STATE ID SHALL BE PRESENTED EVERY DAY IN ORDER TO OBTAIN THE BADGE. THE LISTING SHALL INCLUDE THE NAME AND BADGE NUMBER OF ALL PERSONNEL AND BE PROVIDED TO THE OWNER REPRESENTATIVE ON THE FOLLOWING DAY AND SHALL CLEARLY INDICATE THE COMPANY NAME, INDIVIDUAL'S NAME AND BADGE NUMBER OF ALL PERSONNEL ON THE SITE. FAILURE TO COMPLY WITH THESE REQUIREMENTS MAY RESULT IN PERSONNEL BEING ESCORTED OFF THE SITE.		28. <u>OWNER-FURNISHED EQUIPMENT</u> MAJOR EQUIPMENT IDENTIFIED IN THE CONSTRUCTION DRAWINGS FOR THIS PROJECT WILL BE FURNISHED BY OWNER FOR STORAGE AND INSTALLATION BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER REPRESENTATIVE INDICATING ALL REQUIRED OWNER-FURNISHED EQUIPMENT AND DELIVERY DATE REQUIRED TO CONFORM WITH THE CRITICAL PATH SCHEDULE. OWNER WILL CONTACT THEIR VENDORS AND RESPOND TO THE CONTRACTOR LIST. OWNER-FURNISHED EQUIPMENT WILL BE DELIVERED TO THE FACILITY, UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE. THE CONTRACTOR, IN COORDINATION WITH THE OWNER REPRESENTATIVE, SHALL INSPECT EACH PIECE OF EQUIPMENT. OWNER WILL NOT BE PROVIDING STORAGE SPACE WITHIN THE FACILITY FOR USE BY THE CONTRACTOR UNLESS PRIOR ARRANGEMENTS ARE MADE AND APPROVED IN WRITING. REFER TO SHEET G011 FOR DETAILS.	
3. <u>COORDINATION:</u> A. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF THE WORK. THE PROJECT GENERAL NOTES PERTAIN TO ALL DIVISIONS OF THE WORK. B. CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND SCHEDULING WORK BETWEEN ALL TRADES AND BETWEEN CONSTRUCTION ACTIVITIES AND THE OCCUPANTS OF THE BUILDING SUCH THAT WORK IS COMPLETED IN A TIMELY MANNER. C. CONTRACTOR SHALL SUBMIT COORDINATION DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO COMMENCEMENT OF WORK. EACH DIVISION SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL RELATED DIVISIONS WHOSE WORK INTERFERES WITH THEIR OWN. D. CONTRACTOR SHALL VERIFY SIZES AND LOCATIONS OF ALL OPENINGS FOR EQUIPMENT WITH APPROVED SHOP DRAWINGS BEFORE PROCEEDING WITH WORK. E. CONTRACTOR SHALL VERIFY SIZES AND LOCATIONS OF ALL EQUIPMENT PADS AND BASES. CONTRACTOR SHALL VERIFY POWER, WATER AND DRAIN INSTALLATION W/EQUIPMENT MANUFACTURERS BEFORE PROCEEDING WITH THE WORK. PATCH AND REPAIR AFFECTED EXISTING EQUIPMENT/SURFACES AS REQUIRED. F. WHERE INSTALLATION AND/OR CONNECTION OF EQUIPMENT IS NOT SPECIFIED BUT SUCH CONNECTION AND/OR INSTALLATION IS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM, THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR SUCH CONNECTION AND/OR INSTALLATION. THIS WORK SHALL INCLUDE ALL UTILITY HOOK-UPS.		17. <u>UNDERGROUND UTILITIES:</u> UNDERGROUND UTILITY (LOCATE SERVICES SHALL BE REQUESTED AND COMPLETED BEFORE DISTURBANCE OF ANY EXISTING GRADE OR ON-GRADE CONSTRUCTION, SLAB DEMOLITION, OR OTHER ACTIVITIES THAT MAY IMPACT BURIED UTILITIES. THE CONTRACTOR SHALL CONFIRM THAT UTILITY LOCATE SERVICES HAVE BEEN COMPLETED BEFORE EXISTING GRADE IS EXCAVATED OR EXISTING FLOORING IS DEMOLISHED, DRILLED, OR CUT, REGARDLESS OF THE LOCATION ON THE PROPERTY. SOME UTILITIES MAY NOT BE PUBLICLY OWNED AND MAINTAINED, THEREFORE IT WILL BE NECESSARY FOR THE CONTRACTOR TO LOCATE IN ADVANCE OF ANY EXCAVATIONS. CONTRACTOR SHALL HAVE SUBSURFACE UTILITY INVESTIGATION PERFORMED IN ADVANCE OF ANY EXCAVATIONS IN AREAS POSSIBLY CONTAINING FIBER OR OTHER TELCO SERVICES ENTRANCES AND AREAS NOT COVERED BY THE PUBLIC UTILITY LOCATING SERVICE. GROUND PENETRATING RADAR IS THE PREFERRED SUBSURFACE UTILITY LOCATING METHOD TO BE USED. RESULTS OF THIS SUBSURFACE EXPLORATION SHALL BE SUBMITTED TO OWNER AND THE A/E FOR REVIEW AND APPROVAL PRIOR TO ANY EXCAVATIONS. HAND EXCAVATION SHALL BE PERFORMED IN THE AREAS WITHIN 10 FEET HORIZONTALLY IN ANY DIRECTION FROM POSSIBLE TELCO ENTRANCE UNDERGROUND UTILITIES. HAND EXCAVATION SHALL ALSO BE PERFORMED ELSEWHERE AS DIRECTED BY THE A/E AND/OR OWNER.		29. <u>MATERIALS AND EQUIPMENT</u> ALL MATERIALS AND EQUIPMENT USED IN THIS INSTALLATION SHALL BE NEW, UNLESS OTHERWISE AUTHORIZED BY THE OWNER REPRESENTATIVE, AND HAVE THE APPROPRIATE UL LISTING AND FACTORY MUTUAL (FM) APPROVAL. ALL MATERIALS SHALL COMPLY WITH ALL APPLICABLE LOCAL AND NATIONAL CODES, STANDARDS, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.	
4. ASSIGNMENT OF WORK - SEE PROJECT SCOPE AND RFP.		18. <u>HAZARDOUS MATERIALS- CALL VZW ENVIRONMENTAL COMPLIANCE HOTLINE (800)-384-9639</u> IF THE CONTRACTOR UNCOVERS OR ENCOUNTERS ANY MATERIAL THAT IS BELIEVED TO BE HAZARDOUS IN NATURE (ASBESTOS, LEAD PAINT, SPILLED CHEMICALS, OR OTHERWISE), THE CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY AND SHALL NOT ABATE, REMOVE, SAMPLE, DISTURB, OR OTHERWISE HANDLE THE MATERIAL WITHOUT WRITTEN AUTHORIZATION FROM OWNER. THE UNCONTROLLED RELEASE OF ANY SUCH SUBSTANCE SHALL ALSO BE REPORTED TO THE LOCAL FIRE DEPARTMENT BY THE CONTRACTOR. DISPOSAL OF ANY SUCH MATERIAL SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS, AND DOCUMENTATION OF DISPOSAL SHALL BE PROVIDED BY THE CONTRACTOR TO THE OWNER REPRESENTATIVE.		30. <u>SAFETY AND DATA SHEETS (SDS DOCUMENTATION)</u> THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN ALL MSDS AND RELATED INFORMATION FOR ALL MATERIAL AND EQUIPMENT DELIVERED AND/OR STORED AT THE SITE. THE MSDS SHALL IDENTIFY THE LOCATION OF THE PRODUCT WITHIN THE FACILITY AND SHALL BE MADE AVAILABLE FOR REVIEW BY ANY PARTY FOR THE DURATION OF THE PROJECT. WALL-MOUNTED MSDS HOLDERS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. THE MSDS AND RELATED INFORMATION, INCLUDING ROOM NUMBER LOCATIONS, SHALL BE INCLUDED IN THE PROJECT MANUALS TO BE DELIVERED BEFORE FINAL APPLICATION FOR PAYMENT.	
5. <u>ABBREVIATIONS:</u> THROUGHOUT THE PLANS ARE ABBREVIATIONS WHICH ARE OF COMMON USE. THE LIST OF ABBREVIATIONS PROVIDED IS NOT INTENDED TO BE COMPLETE OR REPRESENTATIVE OF ALL CONDITIONS OR MATERIALS ACTUALLY USED ON THE PROJECT. THE ARCHITECT WILL DEFINE THE INTENT OF ANY IN QUESTION.		19. <u>ASBESTOS- CONTAINING MATERIALS (ACM)</u> THE CONTRACTOR SHALL NOT USE ANY MATERIAL THAT CONTAINS ASBESTOS (ACM) FOR ANY APPLICATION ON THIS PROJECT.		31. <u>FIELD OFFICE</u> OWNER WILL NOT BE PROVIDING SPACE WITHIN THE FACILITY FOR A FIELD OFFICE OR A JOB-SITE TRAILER.	
6. <u>CODES:</u> ALL WORK SHALL BE PERFORMED IN FULL COMPLIANCE WITH ALL APPLICABLE LOCAL AND NATIONAL CODES, STANDARDS AND ALL APPLICABLE AMENDMENTS. IN CASE OF ANY CONFLICT WHEREIN THE METHODS OR STANDARDS OF INSTALLATION OR THE MATERIALS SPECIFIED DO NOT EQUAL OR EXCEED THE REQUIREMENTS OF THE LAWS OR ORDINANCES, THE LAWS AND ORDINANCES WILL GOVERN. NOTIFY ARCHITECT OF ALL CONFLICTS PRIOR TO COMMENCING ANY WORK. WHERE REQUIRED BY THE AHJ, THE CONTRACTOR SHALL ISSUE PUBLIC NOTICES.		20. <u>SITE SURVEY AND FIELD-ENCOUNTERED OBSTACLES</u> NEITHER THE A/E NOR OWNER ARE GUARANTEEING THE ACCURACY OF THE INFORMATION DEPICTED IN THESE DOCUMENTS. THERE ARE NO IMPLIED WARRANTIES ASSOCIATED WITH THESE DOCUMENTS. CONTRACTOR SHALL FIELD VERIFY CONDITIONS PRIOR TO BIDDING THE WORK. ALL DRAWINGS ARE DIAGRAMMATIC AND MAY NOT SHOW ALL DETAILS REQUIRED TO CLEAR FIELD-ENCOUNTERED OBSTRUCTIONS. WHERE MINOR DEVIATIONS IN SYSTEMS ARE REQUIRED DURING CONSTRUCTION THE CONTRACTOR SHALL MAKE SUCH ACCOMMODATIONS AT NO ADDITIONAL COST TO OWNER. THE CONTRACTOR SHALL ADVISE THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO THE BID AND PRIOR TO PERFORMING THE WORK.		32. <u>DELIVERIES</u> OWNER WILL NOT RECEIVE ANY TYPE OF DELIVERY ON THE CONTRACTOR'S BEHALF UNLESS PRIOR ARRANGEMENTS ARE MADE WITH OWNER. THE CONTRACTOR SHALL BE PRESENT TO RECEIVE PROJECT DELIVERIES. THE CONTRACTOR SHALL NOTIFY THE SITE RECEIVING AGENT AT LEAST ONE (1) DAY IN ADVANCE TO SCHEDULE ACTIVITIES ON THE LOADING DOCK. OWNER DELIVERIES TAKE PRIORITY AT ALL OWNER LOADING DOCKS. ALL SHIPPING COSTS ARE THE RESPONSIBILITY OF THE CONTRACTOR, WITH THE EXCEPTION OF OWNER-FURNISHED EQUIPMENT.	
7. <u>PROVIDE ALL REQUIRED PERMITS:</u> A. CONTRACTOR IS RESPONSIBLE TO PAY FOR AND OBTAIN PERMITS AND LICENSES NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK. B. ALL POSSIBLE RIGHT OF WAY WORK TO BE PER CITY DEPARTMENT OF ENGINEERING STANDARDS. C. WORKING HOURS FOR THE USE OF LOUD EQUIPMENT SHALL BE LIMITED TO TIMES ESTABLISHED BY THE LOCAL JURISDICTION. THIS EQUIPMENT SHALL INCLUDE BUT IS NOT LIMITED TO GENERATORS, COMPRESSORS, GRADERS, DRILLS, COMPACTORS, RADIOS, AND OTHER SIMILAR EQUIPMENT.		21. <u>SCALE OF DRAWINGS</u> MEASUREMENTS AND/OR LOCATIONS SHALL NOT BE SCALED FROM THE CONSTRUCTION DRAWINGS. CONTRACTORS SHALL USE POSTED DIMENSIONS ONLY. CONTRACTOR SHALL OBTAIN CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING IF ANY DIMENSION(S) ARE IN QUESTION.		33. <u>STORAGE AND STAGING</u> OWNER WILL NOT BE PROVIDING SPACE WITHIN THIS FACILITY FOR USE BY THE CONTRACTOR AS STORAGE AND/OR STAGING UNLESS PRIOR ARRANGEMENTS ARE MADE AND APPROVED IN WRITING. THIS WRITTEN APPROVAL SHALL INCLUDE A CLEAR DESCRIPTION IDENTIFYING THE LIMITS OF THE AREA(S) ALLOWED. THE CONTRACTOR SHALL SECURE WRITTEN APPROVAL IN ADVANCE FOR NECESSARY STORAGE OUTSIDE THE OWNER LEASEHOLD OR OWNED PREMISES FROM THE OWNER OF THE PROPERTY IN QUESTION. THE CONTRACTOR SHALL BE COVERED WITH UL LISTED FIRE RETARDANT TARPAILLINS DURING NON-WORKING PERIODS.	
8. QUALITY OF MATERIALS AS SPECIFIED SHALL BE CONSIDERED MINIMUM AND ANY CHANGE SHALL BE OF DEMONSTRATED BETTER QUALITY UNLESS SPECIFICALLY RELEASED BY OWNER AND APPROVED BY THE BUILDING DEPARTMENT. MATERIALS NOT SPECIFIED SHALL BE OF A HIGH QUALITY INTENDED FOR COMMERCIAL USE. PROVIDE ADEQUATE HEAT AND SHELTER ACCORDING TO MANUFACTURERS STANDARDS AND MATERIAL PRIOR TO DURING EXECUTION OF THE WORK, AND UNTIL OWNER ACCEPTANCE. TO MAINTAIN DIMENSIONAL STABILITY AND MATERIAL QUALITY. STORED MATERIALS NOT INSTALLED SHALL BE OF A MOISTURE CONTENT THAT WILL NOT ALTER GENERAL APPEARANCE OR INTEGRITY OF ASSEMBLY WHEN MOISTURE CONTENT DECREASES TO SERVICEABLE LEVELS. MATERIALS ARE TO BE INSTALLED IN A PROFESSIONAL MANNER TO THE HIGHEST INDUSTRY STANDARDS.		22. <u>PROJECT RECORD DRAWINGS</u> PROJECT RECORD DRAWINGS SHALL BE UPDATED ON A DAILY BASIS IN ACCORDANCE WITH THE DIVISION SPECIFICATIONS.		34. <u>CLEANLINESS</u> WORK AREAS ARE TO BE KEPT CLEAN AT ALL TIMES.	
9. <u>BUILDING AND EQUIPMENT:</u> A. MAINTAIN AREAS FREE OF DEBRIS ACCUMULATION. KEEP WORK AREAS NEAT AND ORDERLY AS MUCH AS REASONABLY POSSIBLE. B. CONTRACTOR TO REMOVE ALL MATERIALS NOT RELATED TO THE FINISHED PRODUCT FROM THE SITE. DO NOT BURY ON SITE.		23. <u>WORK HOURS</u> REGULAR WORK HOURS ARE FROM 7:00 AM TO 5:00 PM. THIS MAY BE ADJUSTED TO ACCOMMODATE IRREGULAR CIRCUMSTANCES BUT REQUIRES THE APPROVAL OF OWNER. MAINTENANCE-WINDOW WORK HOURS ARE 12:00 AM TO 5:00 AM LOCAL TIME. THE CONTRACTOR SHALL DETERMINE ANY WORK-HOUR RESTRICTIONS AFFECTING THE SCHEDULE OF WORK AND ALL COSTS SHALL BE INCLUDED IN THE BID.		35. <u>TRASH AND REFUSE DISPOSAL</u> THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL PROJECT-RELATED TRASH, WASTE, AND/OR GARBAGE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE A DUMPSITER FOR THE DURATION OF THE PROJECT IF REQUIRED. COORDINATE WITH VERIZON FOR THE DUMPSITER LOCATION. THE DUMPSITER SHALL BE EMPTIED AT SUITABLE INTERVALS TO PRESERVE THE APPEARANCE OF THE SITE. COMBUSTIBLE DEBRIS SHOULD BE REMOVED ON A DAILY BASIS. THE USE OF VERIZON DUMPSITERS SHALL BE LIMITED TO OTHERS FOR DISPOSAL OF CONSTRUCTION DEBRIS IS PROHIBITED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE AS A RESULT OF THE DELIVERY. EXCHANGE, DROPPING AND/OR REMOVAL OF THE CONTRACTOR'S DUMPSITER, REMOVAL AND DISPOSAL OF TRASH, WASTE AND/OR GARBAGE SHALL BE REPORTED TO THE OWNER IN WRITING.	
10. CONTRACTOR IS RESPONSIBLE FOR ALL ERECTION, BRACING AND SHORING OF EQUIPMENT OR MATERIALS UNTIL SUCH TIME IT IS PERMANENTLY SUPPORTED OR IS READY FOR REMOVAL DURING CONSTRUCTION.		24. <u>QUALITY OF WORK</u> CONTRACTOR SHALL PERFORM ALL WORK AND INSTALL ALL COMPONENTS IN A PROFESSIONAL AND WORKMANLIKE MANNER. ALL FINISH WORK SHALL BE TRUE, LEVEL, AND PLUMB. ALL JOINTS SHALL BE TIGHT AND CLEAN.		36. <u>SALVAGE ITEMS</u> THE FOLLOWING ITEMS SHALL BE SALVAGED BY THE CONTRACTOR AND TURNED OVER TO THE OWNER: A. ANY ITEMS AS FIELD DIRECTED BY OWNER.	
11. TOP OF CONCRETE DATUM ELEVATION IS 0'-0". ALL OTHER SLAB HEIGHTS AND RAISED FLOORS ARE SHOWN RELATIVE TO THIS DATUM.		25. <u>WARRANTY</u> CONTRACTOR SHALL PROVIDE DETAILS OF ITS WARRANTY POLICIES AND PROCEDURES INCLUDING, BUT NOT LIMITED TO A CLEAR STATEMENT OF COVERAGE AND CONDITIONS OF WARRANTY OF SUPPLIERS SUPPLIES. CONTRACTOR TO PROVIDE A ONE-YEAR FITNESS AND SATISFACTION WARRANTY FOR ALL WORK. THE PERIOD TO BEGIN WITH FINAL ACCEPTANCE BY THE OWNER REPRESENTATIVE.			
12. <u>CONTRACTOR OPTIONS:</u> WHERE ONLY ONE MANUFACTURER'S EQUIPMENT OR ITEM IS LISTED OR SPECIFIED, OR THE EQUIPMENT OR ITEM IS LISTED AS THE BASIS OF DESIGN PRODUCT, BUT NO OTHER MANUFACTURERS ARE LISTED AS ACCEPTABLE, THEIR PRODUCTS SHALL BE TREATED AS A SUBSTITUTION AND SUBMITTED IN ACCORDANCE WITH THE REQUIREMENTS SPECIFIED IN SPECIFICATION SECTION INCLUDED.		26. <u>DRILLING AND CUTTING- FIRE PROTECTION SYSTEM AND DUST/WATER CONTROL</u> OWNER SHALL BE NOTIFIED BEFORE BEGINNING ANY DRILLING OR CUTTING OF CONCRETE, GYPSUM BOARD, OR OTHER DUST-PRODUCING MATERIALS. ALL EQUIPMENT IN AFFECTED AREAS SHALL BE PROTECTED TO THE SATISFACTION OF THAT OWNER REPRESENTATIVE. PRIOR TO ANY DUST-PRODUCING WORK, THE CONTRACTOR SHALL DEARM THE FIRE-DETECTION SYSTEM(S) AND COVER ALL SMOKE DETECTORS WITH RITTY (50) FEET OF THE WORK AREA AND ENSURE THAT THE SYSTEM IS RETURNED TO NORMAL OPERATION AT THE END OF EACH WORK DAY. ALL GAS SUPPRESSION DUMPED AS A RESULT OF THE CONTRACTOR NOT FOLLOWING THIS REQUIREMENT WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ALL SUCH WORK LOCATIONS SHALL BE APPROVED IN ADVANCE BY OWNER. WHEN DRILLING OR CUTTING IS REQUIRED IN AN AREA WITH TELECOMMUNICATION EQUIPMENT INSTALLED, A HEPA VACUUM CLEANER SHALL BE EMPLOYED TO CONTAIN DUST AND PARTICULATE MATTER DURING THE OPERATION. ALL AREAS ABOVE THE CEILING SHALL BE VACUUMED CLEAN AFTER THE WORK IS COMPLETE. ALL VACUUM CLEANERS SHALL BE APPROVED FOR USE BY THE OWNER REPRESENTATIVE. WHEN WET CORING, ALL PRECAUTIONS SHALL BE TAKEN TO CONFINE WATER TO WORK AREA.			
13. <u>SUBSTITUTION REQUESTS:</u> ALL SUBSTITUTION REQUESTS MUST BE SUBMITTED TO THE A/E OF RECORD FOR REVIEW AND APPROVAL.					
14. <u>SAFETY:</u> THE CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY. THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO ENSURE THE SAFETY OF ALL PERSONNEL BY ADEQUATELY PROTECTING THEM FROM CONSTRUCTION HAZARDS AND ACTIVITIES THROUGHOUT THE COURSE OF THIS WORK. ALL WORK AREAS SHALL BE PROPERLY MARKED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE BARRIERS, BARRICADES, SIGNAGE AND PROPERLY SECURE ALL WORK AREAS. COMMON AREAS, PUBLIC WAYS, AND/OR OTHER AREAS ACCESSIBLE TO NON-CONSTRUCTION PERSONNEL SHALL BE FREE OF HAZARDOUS CONDITIONS RESULTING FROM THIS PROJECT AT ALL TIMES. ANY UNSAFE CONDITION OBSERVED SHALL BE REPORTED IMMEDIATELY TO THE OWNER REPRESENTATIVE.					



THE DRAWING WAS PREPARED SOLELY FOR THE USE OF VERIZON WIRELESS AND MUST ONLY BE USED BY VERIZON WIRELESS EMPLOYEES, CONTRACTORS, AND VENDORS WHILE PERFORMING THE WORK SHOWN ON THE DRAWING. ANY OTHER USE OF THE DRAWING IS FORBIDDEN.



680 BUSSE HIGHWAY
PARK RIDGE, IL 60068
PH: 847-698-6400
FAX: 847-698-6401



KCYC HERITAGE SQUARE
LOCATION CODE: 661221
15201 MURLEN
OLATHE, KS 66062

NO.	DESCRIPTION	DATE
1	ISSUED FOR EOS REVIEW	06/14/22
2	REVISED PER CLIENT COMMENTS	08/02/22
3	REVISED PER ROUTE	08/24/22
4	ISSUED FOR FINAL	09/29/22
5	REVISED TRANSFORMER LOCATION	01/30/23
6	UPDATED PER CLIENT COMMENTS	01/16/23
7	REVISED PER CROWN COMMENTS	02/07/24

NETWORK COMPLIANCE SUBMITTALS	DATE
100% SUBMISSION	06/19/22

PROJECT: 15544
CADDING: 15544-00000-00000
DRAWN BY: JAY
CHECKED BY: CBE
DATE: 5/28/2024
COURTESY: 2017

ISSUED FOR REVIEW

GENERAL NOTES

G001

VERIZON STANDARDS

THE STANDARDS BELOW ARE PROVIDED UPON REQUEST. ANY PUBLIC CODES LISTED ARE NOT PROVIDED AS THEY ARE READILY AVAILABLE. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THESE STANDARDS.

CELL GENERAL

NADV1220	SEPARATION CLEARANCE ISSUES FOR LIQUID PROPANE AS STORAGE	6/14/2012
NC-EOS-ST-09-0001	PHYSICAL SECURITY STANDARDS FOR CELL SITES	11/30/2008
NSTD1500	CELL SITE CODE COMPLIANCE	8/1/2015
NSTD2020	CELL SITE SHELTER STANDARD	8/1/2015
NSTD2030	CELL SHELTER MAINTENANCE & INSPECTION STANDARD	2/1/2016
NSTD305	CELL SITE SHELTER SUPPLIER EQUIPMENT INSTALLATION STANDARD	8/1/2015
OTHR135101	FACILITY AUDIT PROCEDURE FOR LIQUID PETROLEUM (PROPANE) FUELED SYSTEMS	6/1/2012

CELL - MECHANICAL

NSTD1000	CELL SITE HVAC STANDARD	2/1/2014
NDR700C	CELL SITE HVAC REPLACEMENTS & INSTALLATIONS - CONTRACTOR EDITION	5/15/2015
OTHR238113	CELL SITE HVAC SPECIFICATION	2/1/2012
OTHR238114	WALL PACK UNIT REPLACEMENT	8/1/2015
OTHR238115	CELL SITE HVAC MAINTENANCE	2/1/2016
OTHR238116	CELL SITE HVAC PRE-INSPECTION & INSTALLATION CHECKLIST	10/9/2012

CELL - AC POWER, DC POWER, & GROUNDING

NSTD1517	AC POWER AND STANDBY POWER AT CELL SITES STANDARD	2/8/2016
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CELL - TOWER INSPECTIONS

NSTD444	PERIODIC TOWER INSPECTION STANDARD	8/1/2015
OTHR444	TOWER INSPECTION REPORT TEMPLATE	8/1/2015

MSC - GENERAL CONSTRUCTION & PLANNING STANDARDS

NSTD388	ARCHITECTURAL SYSTEMS IN SWITCHING CENTER DESIGN	8/1/2015
NSTD389	STRUCTURAL SYSTEMS IN SWITCHING CENTER DESIGN	8/1/2015

MECHANICAL DESIGN STANDARDS

NSTD385	MECHANICAL SYSTEMS IN SWITCHING FACILITY DESIGN	2/1/2016
NSTD398	BUILDING AUTOMATION SYSTEMS IN NETWORK FACILITY DESIGN	8/1/2015
NSTD391	PLUMBING SYSTEMS IN SWITCHING CENTER DESIGN	8/1/2015
NSTD410	TEMPORARY HVAC INSTALLATIONS IN SWITCHING DESIGN	8/1/2014

NETWORK EQUIPMENT AND INSTALLATION STANDARDS

NSTD119	NETWORK INSTALLATION STANDARDS	8/1/2015
NADV1505	IMPACT OF DUST, DIRT, & AIR POLLUTANTS ON ELECTRONIC EQUIPMENT	11/15/2007

FIRE PROTECTION STANDARDS

NSTD169	FIRE PROTECTION SYSTEMS IN NETWORK FACILITY DESIGN	2/1/2016
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COMMISSIONING STANDARDS

NSTD169	POWER SYSTEM TEST REQUIREMENTS	2/1/2016
NSTD401	COMMISSIONING STANDARDS FOR NETWORK EQUIPMENT LOCATIONS	2/1/2016

AC POWER STANDARDS

NSTD516	AC ELECTRICAL SYSTEMS IN NETWORK EQUIPMENT LOCATIONS	2/1/2016
NSTD517	AC STANDBY POWER SYSTEMS IN NETWORK EQUIPMENT LOCATION	2/1/2016
NSTD518	TASK LIGHTING FOR NETWORK EQUIPMENT LOCATIONS	8/1/2012
OTHR361	VZW ENERGIZED ELECTRICAL WORK PERMIT	8/1/2010

NETWORK SECURITY STANDARDS

NSTD397	SECURITY SYSTEMS IN SWITCHING CENTER DESIGN	2/1/2016
NSTD400	MAINTENANCE STANDARDS FOR SWITCHING CENTERS	2/1/2016

NETWORK SECURITY STANDARDS

NSTD30	BATTERY INSTALLATION AND MAINTENANCE	2/1/2016
OTHR30A	BATTERY INSTALLATION SCOPE OF SERVICES	3/19/2014
OTHR30B	BATTERY MAINTENANCE SCOPE OF SERVICES	3/14/2014
OTHR10569	BATTERY INSTALLATION AND INITIALIZATION PRESENTATION	8/1/2013
NSTD33	MOBILE SWITCHING CENTER GROUNDING SYSTEMS	2/1/2014
NSTD34	AC SERVICE GROUNDING - ENGINEERING APPLICATIONS	2/1/2011
NSTD35	MOBILE SWITCHING CENTER GROUNDING OF TRANSMISSION EQUIPMENT	8/20/2009

INSPECTING MOBILE SWITCHING CENTERS, MICROWAVE RADIO SITES, AND CELL SITES FOR GROUNDING AND ELEC. PROTECTION

NSTD36	INSPECTING MOBILE SWITCHING CENTERS, MICROWAVE RADIO SITES, AND CELL SITES FOR GROUNDING AND ELEC. PROTECTION	2/1/2013
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ENGINEERING FUNDAMENTALS OF ELECTRODE GROUND MEASUREMENTS

NSTD40	ENGINEERING FUNDAMENTALS OF ELECTRODE GROUND MEASUREMENTS	12/6/2007
NSTD41	FUNDAMENTALS OF ELECTRODE GROUND MEASUREMENTS	7/29/2009

LIGHTING PROTECTION ASSESSMENT RISK ASSESSMENT GUIDELINES - ENGINEERING CONSIDERATIONS

NSTD42	LIGHTING PROTECTION ASSESSMENT RISK ASSESSMENT GUIDELINES - ENGINEERING CONSIDERATIONS	8/2/2008
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DC POWER PLANT DESIGN

NSTD47	DC POWER PLANT DESIGN	2/1/2016
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ELECTROSTATIC DISCHARGE (ESD) CONTROL

NSTD325	ELECTROSTATIC DISCHARGE (ESD) CONTROL	2/4/2009
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MOP REQUIREMENTS

NDR54	MOP REQUIREMENTS	4/8/2013
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MAINTENANCE WINDOW

NDR542	MAINTENANCE WINDOW	4/9/2008
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ENVIRONMENTAL COMPLIANCE IN SWITCHING CENTER DESIGN

NSTD399	ENVIRONMENTAL COMPLIANCE IN SWITCHING CENTER DESIGN	2/1/2016
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VERIZON STANDARDS CONTINUED

PROJECT MANAGEMENT - MISCELLANEOUS DOCS/ APPROVALS

OTHR42144	RFP PROCESS - SCOPE MATRIX PARTICIPANTS [COMPANION TO NRPC809]	2/1/2016
RFP FOR CONSTRUCTION GC OR CM - PM SUPPORT		
NRPC901	GC/CM INVOICE PROCEDURE	2/1/2013
OTHR901	VZW BILLING FORMS	6/3/2014
OTHR903B	CHANGE ORDER - CONTRACTOR CHECK LIST	2/1/2014
OTHR903C	POTENTIAL CHANGE ORDER - REVIEW STATUS	2/1/2014

AGREEMENT TEMPLATES

NSTD387	CIVIL SYSTEMS IN SWITCHING CENTER DESIGN	11/6/2009
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BIDDING, CONSTRUCTION & PROJECT APPROVALS

1. MUST BE USED ON ALL MSC DESIGN PROJECTS AFTER 02/03/2006		
2. SHOULD ONLY BE REFERENCED FOR NETWORK EQUIPMENT CENTERS		
3. SHOULD ONLY BE DISTRIBUTED TO FIRMS CONDUCTING THIS SCOPE OF WORK		

NFPA 101	LIFE SAFETY CODE	LATEST EDITION
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NFPA 101A	GUIDE ON ALTERNATIVE APPROACHES TO LIFE SAFETY	LATEST EDITION
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NFPA 101B	CODE FOR MEANS OF EGRESS FOR BUILDINGS AND STRUCTURES	LATEST EDITION
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NFPA 110	STANDARD FOR EMERGENCY AND STANDBY POWER SYSTEMS	LATEST EDITION
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NFPA 203	GUIDE ON ROOF COVERINGS AND ROOF DECK CONSTRUCTIONS	LATEST EDITION
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NFPA 214	STANDARD ON WATER-COOLING TOWERS	LATEST EDITION
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NFPA 220	STANDARD ON TYPES OF BUILDING CONSTRUCTION	LATEST EDITION
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NFPA 221	STANDARD FOR FIRE WALLS AND FIRE BARRIER WALLS	LATEST EDITION
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NFPA 230	STANDARD FOR THE FIRE PROTECTION OF STORAGE	LATEST EDITION
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NFPA 241	STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERNATION, AND DEMOLITION OPERATIONS	LATEST EDITION
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NFPA 262	STANDARD METHOD OF TEST FOR FLAME TRAVEL AND SMOKE OF WIRES AND CABLES FOR USE IN AIR-HANDLING SPACES	LATEST EDITION
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NFPA 329	RP FOR HANDLING RELEASES OF FLAMMABLE AND COMBUSTIBLE LIQUIDS AND GASES	LATEST EDITION
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NFPA 551	GUIDE FOR THE EVALUATION OF FIRE RISK ASSESSMENTS	LATEST EDITION
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NFPA 730	GUIDE FOR PREMISES SECURITY	LATEST EDITION
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NFPA 731	INSTALLATION OF ELECTRONIC SECURITY SYSTEMS	LATEST EDITION
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NFPA 780	STANDARD FOR THE INSTALLATION OF LIGHTNING PROTECTION SYSTEMS	LATEST EDITION
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NFPA 900	BUILDING ENERGY CODE	LATEST EDITION
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NFPA 1600	STANDARD ON DISASTER/EMERGENCY MANAGEMENT AND BUSINESS CONTINUITY PROGRAMS	LATEST EDITION
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NFPA 1620	RECOMMENDED PRACTICE FOR PRE-INCIDENT PLANNING	LATEST EDITION
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NFPA 2001	STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS	LATEST EDITION
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NFPA 5000	BUILDING CONSTRUCTION AND SAFETY CODE	LATEST EDITION
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ASCE 7-02	MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES	LATEST EDITION
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ACI 318-03	BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE	LATEST EDITION
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UL STDs	ALL REFERENCED UL STANDARDS IN THE IBC	LATEST EDITION
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ASTM STDs	ALL REFERENCED ASTM STANDARDS IN THE IBC	LATEST EDITION
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ADA	ACCESSIBILITY CODE FOR BUILDINGS AND FACILITIES	LATEST EDITION
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ASHRAE 90.1	ENERGY STANDARD FOR BUILDINGS EXCEPT LOW-RISE RES. BUILDINGS	LATEST EDITION
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ASHRAE 62.1	VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY	LATEST EDITION
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ASHRAE 111	PRACTICES FOR MEASUREMENT, TESTING, ADJUSTING, BALANCING OF BUILDING HVAC SYSTEMS	LATEST EDITION
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ASHRAE 127	METHOD OF TESTING FOR RATING COMPUTER AND DATA PROCESSING ROOM UNITARY AIR-CONDITIONERS	LATEST EDITION
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ASHRAE 135	BACNET - A DATA COMMUNICATION PROTOCOL FOR BUILDING AUTOMATION AND CONTROL NETWORKS	LATEST EDITION
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ASHRAE GUIDELINE 0	THE COMMISSIONING PROCESS	LATEST EDITION
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ASHRAE GUIDELINE 1	THE HVAC COMMISSIONING PROCESS	LATEST EDITION
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ASHRAE GUIDELINE 4	PREPARATION OF OPERATING AND MAINTENANCE DOCUMENTATION FOR BUILDING SYSTEMS	LATEST EDITION
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ASHRAE GUIDELINE 13	SPECIFYING DIRECT DIGITAL CONTROL SYSTEM	LATEST EDITION
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ASHRAE	THERMAL GUIDELINES FOR DATA PROCESSING ENVIRONMENTS	LATEST EDITION
ASHRAE	DATACOM EQUIPMENT POWER TRENDS AND COOLING APPLICATIONS	LATEST EDITION
SMACNA	FIRE, SMOKE AND RADIATION DAMPER INSTALL. GUIDE FOR HVAC SYSTEMS	LATEST EDITION
SMACNA	GUIDELINES FOR ROOF MOUNTED OUTDOOR AIR-CONDITIONER INSTAL.	LATEST EDITION
SMACNA	SEISMIC RESTRAINT MANUAL: GUIDELINES FOR MECHANICAL SYSTEMS	LATEST EDITION

RESPONSIBILITY MATRIX

TASK	FURNISH (SUPPLY & DELIVERY)	PROVIDE (FURNISH & INSTALL)	INSTALL (ASSEMBLE & ERECT)	COORDINATE
BUILDING & SITE CONSTRUCTION		CONTRACTOR		CONTRACTOR
SEISMIC RESTRAINT SYSTEM		CONTRACTOR		CONTRACTOR
GROUNDING AND LIGHTNING PROTECTION SYSTEMS		CONTRACTOR		CONTRACTOR
GROUNDING AND LIGHTNING PROTECTION SYSTEMS INSPECTIONS		CONTRACTOR		CONTRACTOR
FIBER INSTALLATION		OWNER		OWNER
BUILDING PERMIT FEES		CONTRACTOR		CONTRACTOR
ADDITIONAL PERMIT FEES		CONTRACTOR		CONTRACTOR
CONSTRUCTION MANGER [OWNER'S REP.]		OWNER		CONTRACTOR
FIRE DETECTION AND SUPPRESSION SYSTEMS (SPRINKLER, SPECIAL HAZARDS AND DET.)		CONTRACTOR		CONTRACTOR
SECURITY - GENERAL SITE		CONTRACTOR		CONTRACTOR
FIREWATCH - UNOCCUPIED SPACES WHEN EXISTING DETECTION SYSTEM IS OFFLINE		OWNER		OWNER
RACKS FOR SECURITY AND AV EQUIPMENT	OWNER		CONTRACTOR	CONTRACTOR
BUILDING AUTOMATION		CONTRACTOR		CONTRACTOR
EMERGENCY LIGHTING		CONTRACTOR		CONTRACTOR
TASK LIGHTING		CONTRACTOR		CONTRACTOR
INTEGRATED LOAD CENTER (ILC) [ATS, MAIN DISTRIBUTION SWITCHBOARDS, CKT. BREAKER]	OWNER		CONTRACTOR	CONTRACTOR
HVAC UNITS	OWNER		CONTRACTOR	CONTRACTOR
PORTABLE GENERATOR TAP BOX		CONTRACTOR		CONTRACTOR
PORTABLE GENERATOR		OWNER		CONTRACTOR
DC POWER PLANT	OWNER		CONTRACTOR	CONTRACTOR
BATTERY RACKS & CONTAINMENT	OWNER		CONTRACTOR	CONTRACTOR
EMERGENCY EYE WASH STATION		CONTRACTOR		CONTRACTOR
FIBER CONDUIT & VAULTS		CONTRACTOR		CONTRACTOR
FIBER TRAY	OWNER		CONTRACTOR	OWNER
CABLING		CONTRACTOR		OWNER
WATER, SEWER, STORM, A/C ELECTRIC		CONTRACTOR		CONTRACTOR
ENVIRONMENTAL DUE DILIGENCE		OWNER		OWNER
GEOTECHNICAL INVESTIGATION, REPORT & SOIL BORINGS	OWNER			CONTRACTOR
CONTRACTOR EQUIPMENT TESTING/COMMISSIONING (HVAC, ELECTRICAL, ETC.)		CONTRACTOR		CONTRACTOR

NOTES:
1. FURNISH: PURCHASE AND SHIP ITEM TO SITE.
2. PROVIDE: PURCHASE, SHIP AND INSTALL ITEM.
3. INSTALL: INSTALL FURNISHED ITEM.

EQUIPMENT PRE-PURCHASE SCHEDULE

EQUIPMENT	SUPPLIER	CONTRACTOR (INSTALLATION RESPONSIBILITY)	SUPPLIER CONTACT	APPROXIMATE LEAD TIME
THREE (3) 5-TON HVAC UNITS	AIRSYS	MECHANICAL		UNKNOWN
GE INFINITI M 48VDC POWER PLANT WITH FOUR (4) DISTRIBUTION PANELS, 11-75A RECTIFIERS	GE	DC CONTRACTOR		UNKNOWN
(2) BATTERY STRINGS	EAST PENN.	DC CONTRACTOR		UNKNOWN
ILC - INTERSECT PEOPLESOFT #AA400G1PH2005F-35	INTERSECT, INC.	ELECTRICAL CONTRACTOR		UNKNOWN
PORTABLE GEN TAPBOX (INTERSECT PEOPLESOFT ICGG-400-F)	INTERSECT, INC.	ELECTRICAL CONTRACTOR		UNKNOWN
RTU - SITEBOSS - SITE MONITORING	ASENTRIA			UNKNOWN



THE DRAWING WAS PREPARED SOLELY FOR THE USE OF VERIZON WIRELESS AND MUST ONLY BE USED BY VERIZON WIRELESS EMPLOYEES, CONTRACTORS, AND VENDORS WHILE PERFORMING THE WORK SHOWN ON THE DRAWING. ANY OTHER USE OF THE DRAWING IS FORBIDDEN.



NO.	DESCRIPTION	DATE
1	ISSUED FOR EOS REVIEW	06/14/22
2	REVIEW PER CLIENT COMMENTS	08/02/22
3	REVIEW FIBER ROUTE	08/24/22
4	ISSUED FOR FINAL	09/29/22
5	REVIEW TRANSFORMER LOCATION	01/30/23
6	UPDATED PER CLIENT COMMENTS	02/16/23
7	REVIEW PER CROWN COMMENTS	02/07/24

NETWORK COMPLIANCE SUBMITTALS	DATE
100% SUBMISSION	06/19/22

PROJECT: 15201 CADDING: N/A REVISION: N/A DRAWN BY: JCB CHECKED BY: JCB DATE: 2017	ISSUED FOR REVIEW
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VERIZON STANDARDS

G011

1	2	3	4	5	6
		<p>GENERAL NOTES:</p> <p>1. THE GENERAL CONTRACTOR MUST VERIFY ALL DIMENSIONS, CONDITIONS AND ELEVATIONS BEFORE STARTING WORK. ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER AND SHALL BE RESOLVED BEFORE PROCEEDING WITH THE WORK. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER IN ACCORDANCE WITH ACCEPTED CONSTRUCTION PRACTICES.</p> <p>2. IT IS THE INTENTION OF THESE DRAWINGS TO SHOW THE COMPLETED INSTALLATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY BRACING SHORING, TIES, FORM WORK, ETC. IN ACCORDANCE WITH ALL NATIONAL, STATE AND LOCAL ORDINANCES. TO SAFELY EXECUTE ALL WORK AND SHALL BE RESPONSIBLE FOR SAME. ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES.</p> <p>3. THE CONTRACTOR SHALL USE ADEQUATE NUMBER OF SKILLED WORKMAN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND METHOD NEEDED FOR PROPER PERFORMANCE OF THE WORK.</p> <p>4. 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 THE SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONSTRUCTION CONTRACTOR FURTHER AGREES TO INDEMNIFY AND HOLD DESIGN ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH PERFORMANCE OF WORK ON THIS PROJECT.</p> <p>5. SITE GROUNDING SHALL COMPLY WITH VERIZON WIRELESS GROUNDING STANDARDS, LATEST EDITION, AND COMPLY WITH VERIZON WIRELESS GROUNDING CHECKLIST, LATEST VERSION. WHEN NATIONAL AND LOCAL GROUNDING CODES ARE MORE STRINGENT THEY SHALL GOVERN</p> <p>6. ALL WORK SHALL COMPLY WITH OSHA AND STATE SAFETY REQUIREMENTS. PROCEDURES FOR THE PROTECTION OF EXCAVATIONS, EXISTING CONSTRUCTION AND UTILITIES SHALL BE ESTABLISHED PRIOR TO FOUNDATION INSTALLATION. IF TEMPORARY LIGHTING AND MARKING IS REQUIRED BY THE FEDERAL AVIATION ADMINISTRATION (FAA), IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE NECESSARY LIGHTS AND NOTIFY THE PROPER AUTHORITIES IN THE EVENT OF A PROBLEM.</p> <p>7. ALL WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL CODES AND ORDINANCES. THE MOST STRINGENT CODE WILL APPLY IN THE CASE OF DISCREPANCIES OR DIFFERENCES IN THE CODE REQUIREMENTS.</p> <p>8. ANY DAMAGE TO ADJACENT PROPERTIES SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.</p> <p>9. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AMPLE NOTICE TO THE BUILDING INSPECTION DEPARTMENT TO SCHEDULE THE REQUIRED INSPECTIONS. A MINIMUM OF 24 HOURS ON NOTICE SHALL BE GIVEN AND THE BUILDING INSPECTION DEPARTMENTS HAVE REQUESTED THAT GROUPS OF TWO OR THREE SITES BE SCHEDULED AT ONE TIME IF POSSIBLE.</p> <p>10. CONSTRUCTION MANAGER WILL CONFIRM FAA APPROVAL OF TOWER LOCATION BY ISSUING TOWER RELEASE FORM. NO TOWER SHALL BE CONSTRUCTED UNTIL THE TOWER RELEASE FORM IS ISSUED TO THE CONTRACTOR.</p> <p>11. THE COMPLETE BID PACKAGE INCLUDES THESE CONSTRUCTION DRAWINGS ALONG WITH THE FINAL RF DESIGN AND TOWER STRUCTURAL ANALYSIS. CONTRACTOR IS RESPONSIBLE FOR REVIEW OF TOTAL BID PACKAGE PRIOR TO BID SUBMITTAL.</p> <p>12. CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES WITHIN CONSTRUCTION LIMITS PRIOR TO CONSTRUCTION.</p> <p>13. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE ON THE SITE AT ALL TIMES. SILT AND EROSION CONTROL SHALL BE MAINTAINED ON THE DOWNSTREAM SIDE IF THE SITE AT ALL TIMES. ANY DAMAGE TO ADJACENT PROPERTIES SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.</p> <p>14. CLEARING OF TREES AND VEGETATION ON THE SITE SHOULD BE HELD TO A MINIMUM. ONLY THE TREES NECESSARY FOR CONSTRUCTION OF THE FACILITIES SHALL BE REMOVED. ANY DAMAGE TO PROPERTY OUTSIDE THE LEASE PROPERTY SHALL BE REPAIRED BY THE CONTRACTOR.</p> <p>15. ALL SUITABLE BORROW MATERIAL FOR BACK FILL OF THE SITE SHALL BE INCLUDED IN THE BID. EXCESS TOPSOIL AND UNSUITABLE MATERIAL SHALL BE DISPOSED OF OFF SITE AT LOCATIONS APPROVED BY GOVERNING AGENCIES PRIOR TO DISPOSAL.</p> <p>16. SEEDING AND MULCHING OF THE SITE SHALL BE ACCOMPLISHED AS SOON AS POSSIBLE AFTER COMPLETION OF THE SITE DEVELOPMENT. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING AN ADEQUATE COVER OF VEGETATION OVER THE SITE FOR A ONE YEAR PERIOD.</p> <p>17. PERMITS: OBTAIN AND PAY FOR REQUIRED PERMITS, LICENSES, FEES, INSPECTIONS, ETC.</p> <p>18. RECORD DRAWINGS: MAINTAIN A RECORD OF ALL CHANGES, SUBSTITUTIONS BETWEEN WORK AS SPECIFIED AND INSTALLED. RECORD CHANGES ON A CLEAN SET OF CONTRACT DRAWINGS WHICH SHALL BE TURNED OVER TO THE CONSTRUCTION MANAGER UPON COMPLETION OF THE PROJECT.</p> <p>19. THE CONTRACTOR SHALL VISIT THE SITE BEFORE BIDDING ON THE WORK CONTAINED IN THIS DESIGN PACKAGE.</p> <p>20. ALL EQUIPMENT AND INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH VERIZON WIRELESS.</p>		<p>EXCAVATION & GRADING NOTES (IF APPLICABLE):</p> <p>1. ALL CUT AND FILL SLOPES SHALL BE 3:1 MAXIMUM.</p> <p>2. ALL EXCAVATIONS ON WHICH CONCRETE IS TO BE PLACED SHALL BE SUBSTANTIALLY HORIZONTAL ON UNDISTURBED AND UNFROZEN SOIL AND BE FREE FROM LOOSE MATERIAL AND EXCESS GROUND WATER. DEWATERING FOR EXCESS GROUND WATER SHALL BE PROVIDED IF REQUIRED.</p> <p>3. CONCRETE FOUNDATIONS SHALL NOT BE PLACED ON ORGANIC MATERIAL. IF SOUND SOIL IS NOT REACHED AT THE DESIGNATED EXCAVATION DEPTH, THE UNSATISFACTORY SOIL SHALL BE EXCAVATED TO ITS FULL DEPTH AND WITHER BE REPLACED WITH MECHANICALLY COMPACTED GRANULAR MATERIAL OR THE EXCAVATION BE FILLED WITH CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATION.</p> <p>4. ANY EXCAVATION OVER THE REQUIRED DEPTH SHALL BE FILLED WITH EITHER MECHANICALLY COMPACTED GRANULAR MATERIAL OF CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATION. CRUSHED STONE MAY BE USED TO STABILIZE THE BOTTOM OF THE EXCAVATION. STONE, IF USED, SHALL NOT BE USED AS COMPLICATING CONCRETE THICKNESS.</p> <p>5. AFTER COMPLETION OF THE FOUNDATION AND OTHER CONSTRUCTION BELOW GRADE AND BEFORE BACK FILLING, ALL EXCAVATIONS SHALL BE CLEAN OF UNSUITABLE MATERIAL SUCH AS VEGETATION, TRASH, DEBRIS, AND SO FORTH.</p> <p>6. BACK FILL SHALL BE:</p> <ul style="list-style-type: none">- APPROVED MATERIALS CONSISTING OF EARTH, LOAM, SANDY CLAY, SAND, GRAVEL, OR SOFT SHALE;- FREE FROM CLODS OR STONES OVER 2 1/2" MAXIMUM DIMENSIONS;- IN LAYERS AND COMPACTED. <p>7. SITE FILL MATERIAL AND FOUNDATION BACK FILL SHALL BE PLACED IN LAYERS, MAXIMUM 6" DEEP BEFORE COMPACTION. EACH LAYER SHALL BE SPRINKLED IF REQUIRED AND COMPACTED BY HAND OPERATED OR MACHINE TAMPERS TO 95% OF MAXIMUM DENSITY, AT THE OPTIMUM MOISTURE CONTENT 2% AS DETERMINED BY ASTM DESIGNATION D-698, UNLESS OTHERWISE APPROVED. SUCH BACK FILL SHALL NOT BE PLACED BEFORE 3 DAYS AFTER PLACEMENT OF CONCRETE.</p> <p>8. THE FOUNDATION AREA SHALL BE GRADED TO PROVIDE WATER RUNOFF AND PREVENT WATER FROM STANDING. THE FINAL GRADE SHALL SLOPE AWAY IN ALL DIRECTIONS FROM THE FOUNDATION AND SHALL THEN BE COVERED WITH 4" DEEP COMPACTED STONE OR GRAVEL.</p> <p>9. CONTRACTOR SHALL PROVIDE ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS REQUIRED BY LOCAL CITY, COUNTY AND STATE CODES AND ORDINANCES TO PROTECT EMBANKMENTS FROM SOIL LOSS AND TO PREVENT ACCUMULATION OF SOIL AND SILT IN STREAMS AND DRAINAGE PATHS LEAVING THE CONSTRUCTION AREA. THIS MAY INCLUDE SUCH MEASURES AS SILT FENCES, STRAW BALE SEDIMENT BARRIERS AND CHECK DAMS.</p> <p>10. FILL PREPARATION: REMOVE ALL VEGETATION, TOPSOIL, DEBRIS, WET AND UNSATISFACTORY SOIL MATERIALS, OBSTRUCTIONS, AND DELETERIOUS MATERIALS FROM GROUND SURFACE PRIOR TO PLACING FILLS. PLOW STRIP OR BREAK UP SLOPED SURFACES STEEPER THAN 1 VERTICAL TO 4 HORIZONTAL SO FILL MATERIAL WILL BOND WITH EXISTING SURFACE. WHEN SUBGRADE OR EXISTING GROUND SURFACE TO RECEIVE FILL HAS A DENSITY LESS THAN THAT REQUIRED FOR FILL, BREAK UP GROUND SURFACE TO DEPTH REQUIRED, PUL VERIE, MOISTURE-CONDITION OR AERATE SOIL, AND RECOMPACT TO REQUIRED DENSITY.</p> <p>11. REPLACE THE EXISTING WEARING SURFACE ON AREAS, WHICH HAVE BEEN DAMAGED OR REMOVED DURING CONSTRUCTION OPERATIONS. SURFACE SHALL BE REPLACE TO MATCH EXISTING ADJACENT SURFACING AND SHALL BE OF THE SAME THICKNESS. NEW SURFACE SHALL BE FREE FROM CORRUGATIONS AND WAVES. EXISTING SURFACING MAY BE EXCAVATED SEPARATELY AND REUSED IF INJURIOUS AMOUNTS OF EARTH, ORGANIC MATERIAL, OF OTHER DELETERIOUS MATERIALS ARE REMOVED PRIOR TO REUSE. FURNISH ALL ADDITIONAL RESURFACING MATERIAL AS REQUIRED. BEFORE SURFACING IS REPLACED, SUBGRADE SHALL BE THOROUGHLY COMPACTED. DEPRESSIONS IN THE SUBGRADE SHALL BE FILLED AND COMPACTED WITH APPROVED SELECTED MATERIAL. SURFACING SHALL NOT BE USED FOR FILLING DEPRESSIONS IN THE SUBGRADE.</p> <p>12. PROTECT EXISTING SURFACING AND SUBGRADE IN AREAS WHERE EQUIPMENT LOADS WILL OPERATE. USE PLANKING OR OTHER SUITABLE MATERIALS DESIGNED TO SPREAD EQUIPMENT LOADS WILL OPERATE. REPAIR DAMAGE TO EXISTING GRAVEL SURFACING OR SUBGRADE WHERE SUCH DAMAGE IS DUE TO THE CONTRACTOR'S OPERATIONS. DAMAGED GRAVEL SURFACING SHALL BE RESTORED TO MATCH THE ADJACENT UNDAAMAGED GRAVEL SURFACING AND SHALL BE OF THE SAME THICKNESS.</p> <p>13. DAMAGE TO EXISTING STRUCTURES AND UTILITIES RESULTING FROM CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED / REPLACED TO OWNER'S SATISFACTION AT CONTRACTOR'S EXPENSE.</p> <p>14. CONTRACTOR SHALL COORDINATE THE CONSTRUCTION SCHEDULE WITH PROPERTY OWNER SO AS TO AVOID INTERRUPTIONS TO PROPERTY OWNER'S OPERATIONS.</p> <p>15. ENSURE POSITIVE DRAINAGE DURING AND AFTER COMPLETION OF CONSTRUCTION.</p> <p>16. RIPRAP SHALL BE CLEAN, HARD, SOUND, DURABLE, UNIFORM IN QUALITY AND FREE OF ANY DETRIMENTAL QUANTITY OF SORT, FRABLE, THIN, ELONGATED OR LAMINATED PIECES, DISINTEGRATED MATERIAL, ORGANIC MATTER, OIL, ALKALI OR OTHER DELETERIOUS SUBSTANCE.</p>	
<p>ICE BRIDGE</p> <p>FENCE</p> <p>POWER METER</p> <p>H-FRAME</p> <p>UTILITY POLE</p> <p>REMOTE RADIO UNIT (RRU)</p> <p>OVERVOLTAGE PROTECTION (OVP)</p>					
<p>--- GAS --- GAS LINE</p> <p>--- GAS VALVE --- GAS METER</p> <p>----- UNDERGROUND ELECTRIC LINE</p> <p>----- OVERHEAD ELECTRIC LINE</p> <p>--- UNDERGROUND CONDUIT</p> <p>--- FIBER/TELECOM CONDUIT</p>					
<p>2 CIVIL LINETYPES</p> <p>N/A</p>		<p>1 CIVIL SYMBOLS</p> <p>N/A</p>			
1	2	3	4	5	6



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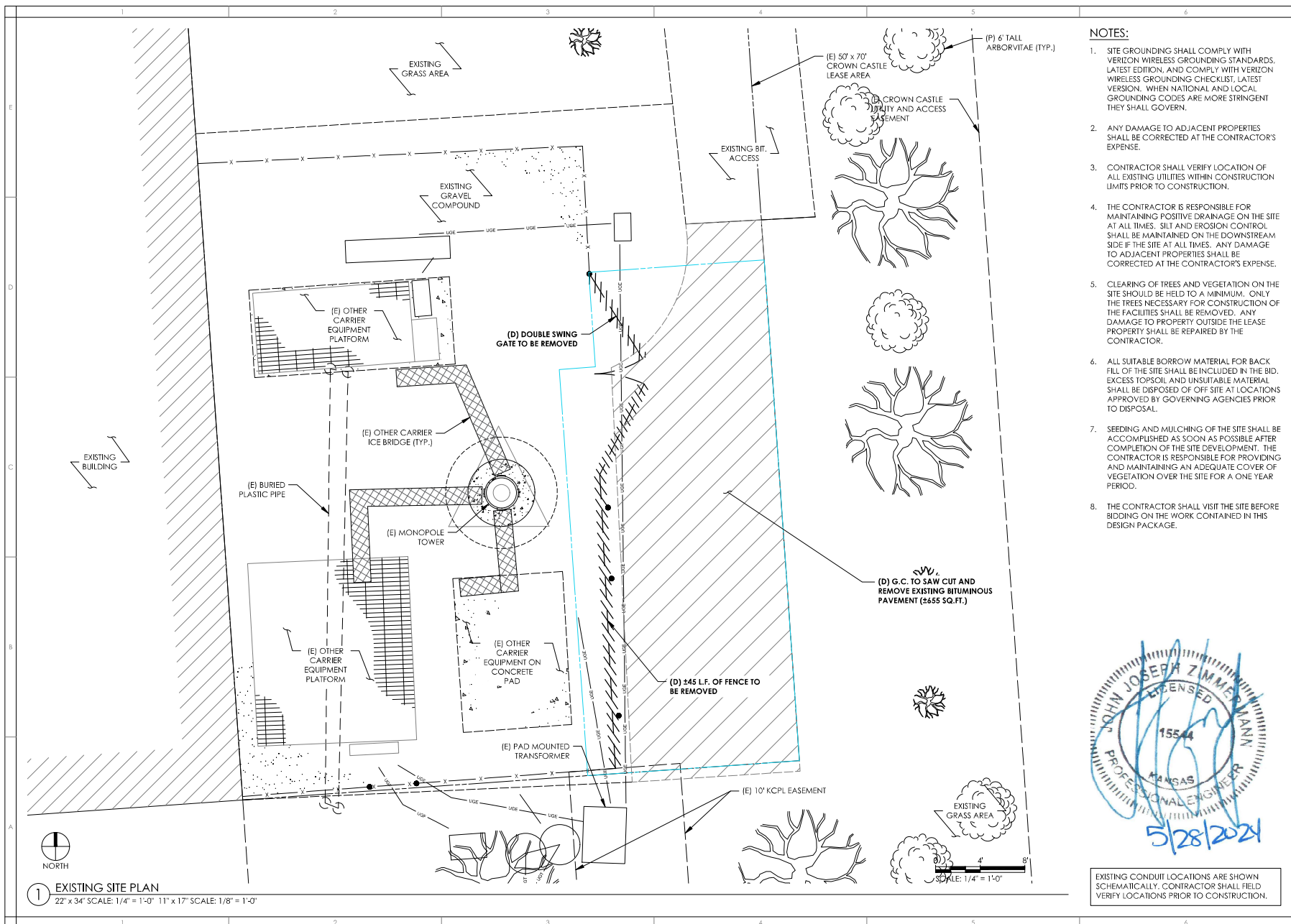
verizon
KC/C HERITAGE SQUARE
LOCATION CODE: 661221
15201 MURLEN
OLATHE, KS 66062

NO.	DESCRIPTION	DATE
1	ISSUED FOR EOS REVIEW	06/14/22
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3	REVISED FIBER ROUTE	08/24/22
4	ISSUED FOR FINAL	09/29/22
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7	REVISED PER CROWN COMMENTS	02/07/24
NETWORK COMPLIANCE SUBMITTALS		DATE
100% SUBMISSION		06/19/22

PROJECT: 158081	ISSUED FOR REVIEW
CADDING: N/A / COMING LATER	
DRAWN BY: JAY	
CHECKED BY: JCB	
DATE: 2017	

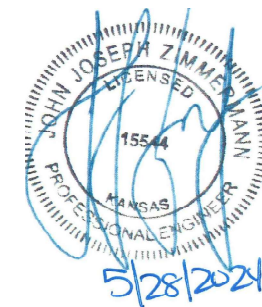
CIVIL GENERAL NOTES

C001



NOTES:

1. SITE GROUNDING SHALL COMPLY WITH VERIZON WIRELESS GROUNDING STANDARDS, LATEST EDITION, AND COMPLY WITH VERIZON WIRELESS GROUNDING CHECKLIST, LATEST VERSION. WHEN NATIONAL AND LOCAL GROUNDING CODES ARE MORE STRINGENT THEY SHALL GOVERN.
2. ANY DAMAGE TO ADJACENT PROPERTIES SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
3. CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES WITHIN CONSTRUCTION LIMITS PRIOR TO CONSTRUCTION.
4. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE ON THE SITE AT ALL TIMES. SILT AND EROSION CONTROL SHALL BE MAINTAINED ON THE DOWNSTREAM SIDE IF THE SITE AT ALL TIMES. ANY DAMAGE TO ADJACENT PROPERTIES SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
5. CLEARING OF TREES AND VEGETATION ON THE SITE SHOULD BE HELD TO A MINIMUM. ONLY THE TREES NECESSARY FOR CONSTRUCTION OF THE FACILITIES SHALL BE REMOVED. ANY DAMAGE TO PROPERTY OUTSIDE THE LEASE PROPERTY SHALL BE REPAIRED BY THE CONTRACTOR.
6. ALL SUITABLE BORROW MATERIAL FOR BACK FILL OF THE SITE SHALL BE INCLUDED IN THE BID. EXCESS TOPSOIL AND UNSUITABLE MATERIAL SHALL BE DISPOSED OF OFF SITE AT LOCATIONS APPROVED BY GOVERNING AGENCIES PRIOR TO DISPOSAL.
7. SEEDING AND MULCHING OF THE SITE SHALL BE ACCOMPLISHED AS SOON AS POSSIBLE AFTER COMPLETION OF THE SITE DEVELOPMENT. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING AN ADEQUATE COVER OF VEGETATION OVER THE SITE FOR A ONE YEAR PERIOD.
8. THE CONTRACTOR SHALL VISIT THE SITE BEFORE BIDDING ON THE WORK CONTAINED IN THIS DESIGN PACKAGE.



EXISTING CONDUIT LOCATIONS ARE SHOWN SCHEMATICALLY. CONTRACTOR SHALL FIELD VERIFY LOCATIONS PRIOR TO CONSTRUCTION.

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 690 BUSSE HIGHWAY
 PARK RIDGE, IL 60068
 PH: 847-698-6400
 FAX: 847-698-6401

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 LOCATION CODE: 661221
 15201 MURLEN
 OLATHE, KS 66062

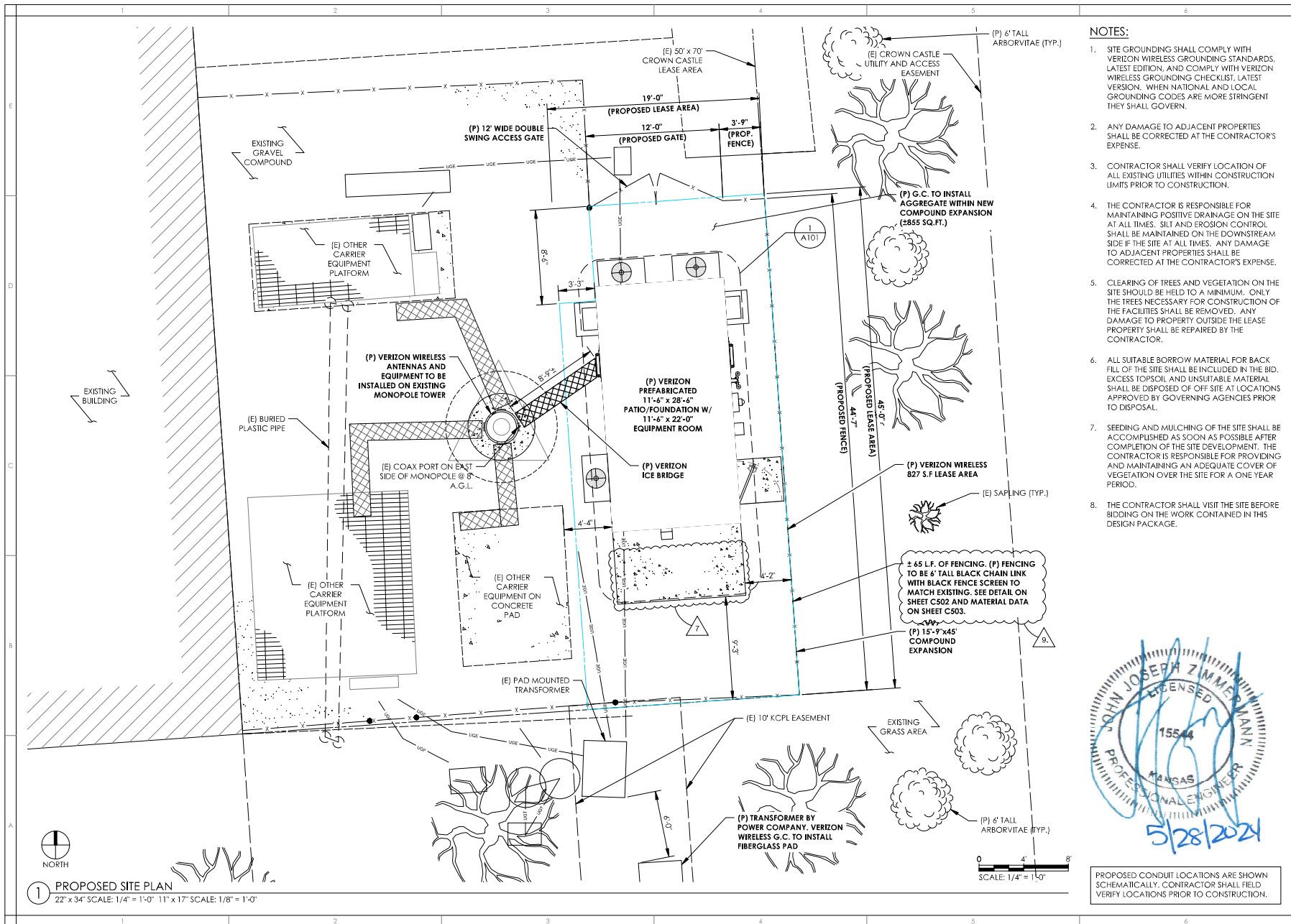
NO.	DESCRIPTION	DATE
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NETWORK COMPLIANCE SUBMITTALS		DATE
100% SUBMISSION		06/19/22

PROJECT: 15544
 CADDING: N/A
 DESIGNED BY: JAZ
 DRAWN BY: JCB
 CHECKED BY: JAZ
 COMPILED: 2017

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CIVIL SITE DEMOLITION PLAN

CD101



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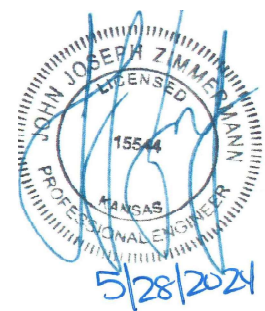
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100% SUBMISSION		06/19/22

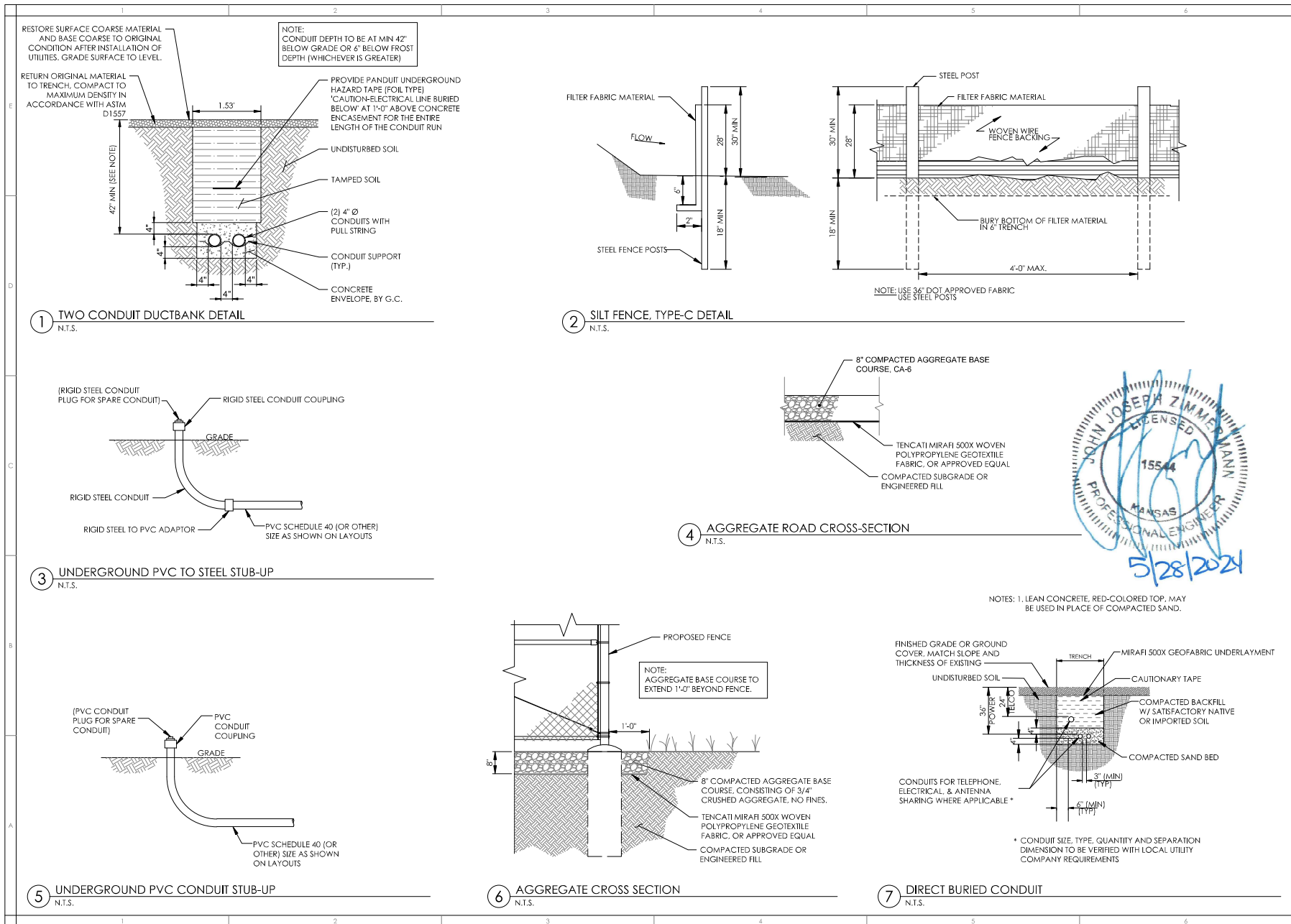
PROJECT: 15881
 DRAWING: 15881-01-01
 DESIGNED BY: JAZ
 DRAWN BY: JCB
 CHECKED BY: JAZ
 COMPILED: 2017

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PROPOSED SITE PLAN

C101





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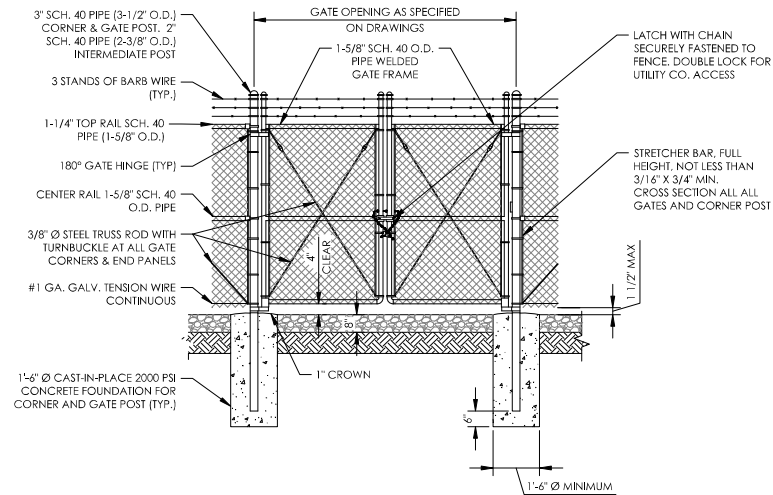
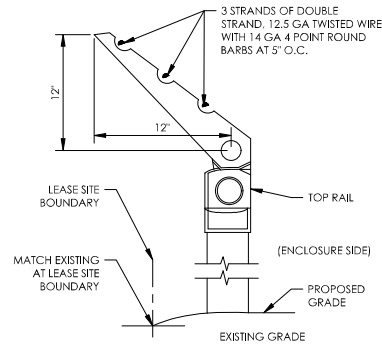
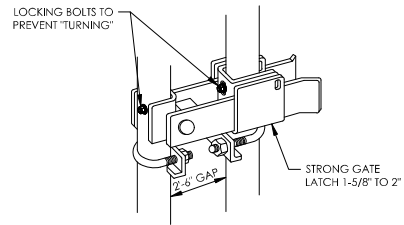
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PROJECT: 158891	ISSUED FOR REVIEW
CADDING AND CONSTRUCTION	
DRAWN BY: JAY	
CHECKED BY: JCB	
DATE: 2022	

CIVIL DETAILS
C501

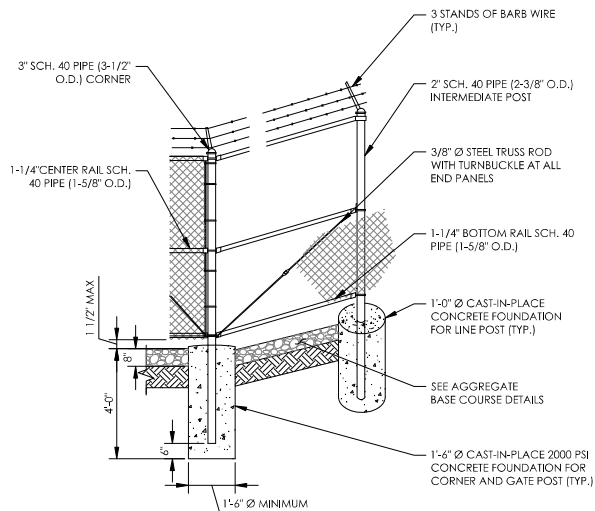
NOTE:
GATE HINGE BOLTS SHALL HAVE THEIR
THREADS PEENED OR WELDED TO
PREVENT UNAUTHORIZED REMOVAL



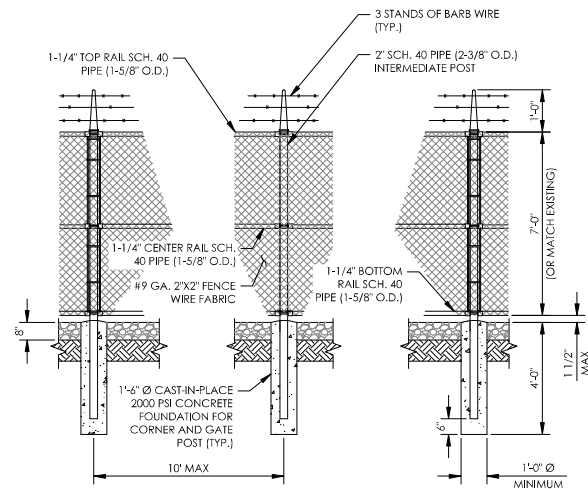
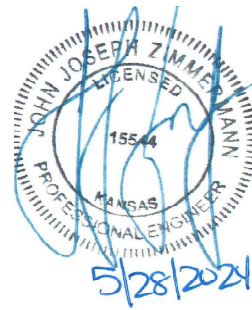
⑤ STRONG ARM GATE LATCH DETAIL
N.T.S.

③ BARBED WIRE DETAIL
N.T.S.

② DOUBLE SWING GATE
N.T.S.



④ CORNER POST DETAIL
N.T.S.



① FENCE POST DETAILS
N.T.S.

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7	REVISED PER CROWN COMMENTS	02/07/24

NETWORK COMPLIANCE SUBMITTALS DATE
100% SUBMISSION 06/19/22

PROJECT: 158891
DRAWING: NETWORKING 2
DESIGNED BY: AAY
DRAWN BY: CCB
CHECKED BY: AAY
COMPILE: 2017

**ISSUED
FOR
REVIEW**

**CIVIL
DETAILS**

C502



Poly(Vinyl Chloride) (PVC)- Coated Steel Chain Link Fence Fabric
Class 2b - Fused and Adhered
ASTM F668, Federal Specification RR-F-191 Type IV, AASHTO M-181 Type IV

PRODUCT NAME

SPSV Fused and Bonded Poly (Vinyl Chloride)- PVC Coated Steel Chain Link Fence Fabric

MANUFACTURER

Stephens Pipe and Steel, LLC
Manufacturing Locations:

Stephens Pipe and Steel, LLC
1413 Steve Warriner Drive
Russell Springs, Kentucky 42642

Stephens Pipe and Steel, LLC
4301 46th Street
Bladensburg, Maryland 20710

Stephens Pipe and Steel
2891 State Hwy 180
Warrior, Alabama 35180

PRODUCT DESCRIPTION

Basic Use:
Fused and adhered fabric is a bonded vinyl, high strength galvanized steel, chain link fence fabric for industrial, commercial and institutional application. Fused and adhered fabric is the highest quality available and is used in numerous federal, state, civil, and military specifications.

Composition and Materials:
The galvanized steel core wire for producing fused and adhered PVC coated steel chain link fence fabric is produced by cold-drawing good commercial grade steel rod into wire of the appropriate diameter. The steel rod from which the wire is drawn is produced by the open hearth, electric furnace or basic oxygen process. The galvanized coating is produced by passing the cleaned wire through a bath of molten zinc which conforms to ASTM B6.
The fused and adhered PVC coating is produced by first applying a thermoset bonding agent to the galvanized core wire to which the PVC is bonded. A coating of PVC up to 0.010 in. (0.25 mm) is then fused and bonded to the wire.

Standards:

ASTM B 6 Slab Zinc
ASTM F567 Installation of Chain Link Fence
ASTM F668 Poly(Vinyl Chloride) (PVC) and Other Organic Polymer-Coated Steel Chain Link Fence Fabric,
Class 2b
Federal Specification RR-F-191 K1 D
Fencing, Wire and Post Metal
(Chain-Link Fence Fabric), Type IV
American Association of State Highway Transportation Officials (AASHTO)
M-181 Chain Link Fence, Type IV,
Class A

TECHNICAL DATA

General:

The manufacturer, if requested, will supply samples and certification that all materials furnished fully comply with the appropriate specifications.

Chain Link Fence Fabric:

The base metal of the chain link fence fabric is composed of commercial quality, medium-carbon galvanized (zinc coated) steel wire. The vinyl coating is thermally bonded to a thermoset bonding layer over a galvanized steel wire. This process ensures a tightly bonded coating free of voids, as well as a smooth surface appearance. Vinyl coating thickness, galvanized coating weight, and wire tensile strength conform to Federal Specification RR-F-191, ASTM F668, Class 2a, and AASHTO M-181 Type IV, Class A, as shown in Table 1. The wire is PVC coated before weaving and is free and flexible at all joints. Unless otherwise specified, fabric woven in 2 in. (50 mm) mesh, under 72" (1,830 mm) in height, is knuckled at both selvages; fabric 72" (1,830 mm) high and over is knuckled at one selvage and twisted at the other. All fabrics woven into meshes under 2 in. (50 mm) have both selvages knuckled.

Wire Coating:

Only plasticized poly(vinyl chloride) (PVC) with a low temperature (-20 °C; -4°F) plasticizer and no extenders or extraneous matter other than the necessary stabilizers and pigments, is used. The PVC coating resists attack from prolonged exposure to dilute solutions of most common mineral acids, seawater, and dilute solutions of most salts and alkali.

ASTM Color System:

Standard colors conform to ASTM F934 and include:

Ensor	Green	Brown	Black
28.61	27.76	22.30	
-12.59	3.37	-0.09	
1.95	4.28	-0.85	

Other colors are available by special order.

Coating Adhesion: The PVC coated wire shall pass the test for adhesion contained in ASTM F668 for Class 2b chain link fabric.

INSTALLATION

Install fence in accordance with ASTM Practice 567. Handle all PVC coated material with care. If PVC coating is damaged during installation, contractor must replace or repair the material at own expense.

AVAILABILITY AND COST

Availability: PVC-coated steel chain link fence fabric is available for shipment throughout the United States and worldwide.

Cost: Material costs may vary depending on specific requirements. Costs may be obtained through all Stephens Pipe Service Centers.

WARRANTY

Fused and adhered PVC coated steel chain link fence fabric is warranted for 15 years against failure due to rust or corrosion.

MAINTENANCE

Periodic inspection is recommended but no routine maintenance is required.

TECHNICAL SERVICES

Technical services are available. Call your sales representative for assistance.

NOTE:

MATERIAL DATA IS SUPPLIED BY FENCE MANUFACTURER AND IS PROVIDED FOR REFERENCE. GO TO CONTACT AMERIFENCE CORPORATION FOR ORDERING AND INSTALLATION INFORMATION:
CHAD CHRISTENSEN
AMERIFENCE CORPORATION
(816)N 683-2291



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NETWORK COMPLIANCE SUBMITTALS		DATE
100% SUBMISSION		06/19/22

PROJECT: 150011 DRAWING NO: 150011-01 DESIGNED BY: JAY DRAWN BY: CCB CHECKED BY: JAY CONTRACT: 2017	ISSUED FOR REVIEW
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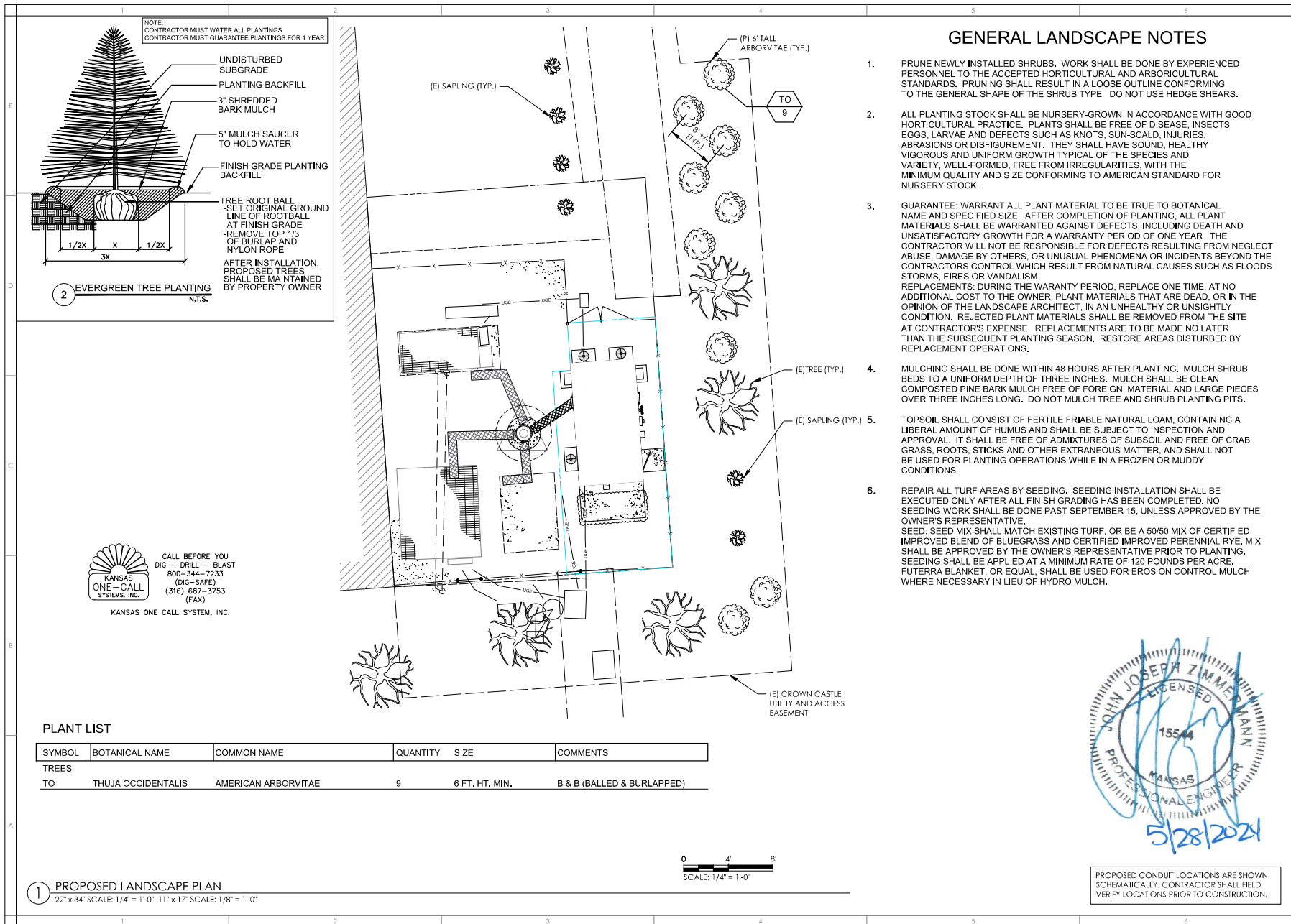
**FENCE MATERIAL
DATA**

C503



800.451.2612

ADVANTAGE
**ONE
SOURCE**



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PROJECT: 156891
CADDING: 06/15/2022
DESIGNED BY: JAV
DRAWN BY: CCB
CHECKED BY: JAV
COMPILED: 2017

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LANDSCAPE PLAN

C504