

ENGINEER'S NOTES

- MARICOPA ASSOCIATION OF GOVERNMENTS (M.A.G.) UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION INCLUDING LATEST REVISION AND CURRENT SUPPLEMENTALS THEREOF PER THE LOCAL TOWN OR CITY) ARE INCORPORATED INTO THIS PLAN IN THEIR
- ALL WORK REQUIRED TO COMPLETE THE CONSTRUCTION COVERED BY THIS PLAN SHALL BE IN ACCORDANCE WITH THE M.A.G. STANDARD SPECIFICATIONS AND DETAILS AND CURRENT SUPPLEMENTS THEREOF PER THE LOCAL CITY OR TOWN UNLESS SPECIFIED OTHERWISE IN THESE PLANS OR ELSEWHERE IN THE CONTRACT DOCUMENTS. CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH ALL REQUIRED STANDARD SPECIFICATIONS, DETAILS AND SUPPLEMENTS PRIOR TO BIDDING THE WORK FOR THE CONSTRUCTION COVERED BY THIS PLAN.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL METHODS, SEQUENCING, AND SAFETY CONCERNS ASSOCIATED WITH THIS PROJECT DURING CONSTRUCTION, UNLESS SPECIFICALLY ADDRESSED OTHERWISE IN THIS PLAN OR ELSEWHERE IN THE
- THE CONTRACTOR IS TO COMPLY WITH ALL LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS APPLICABLE TO THE CONSTRUCTION COVERED BY THIS PLAN.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND COMPLYING WITH ALL PERMITS REQUIRED TO COMPLETE ALL WORK COVERED BY THIS PLAN.
- THE QUANTITIES AND SITE CONDITIONS DEPICTED IN THESE PLANS ARE FOR GENERAL INFORMATIONAL PURPOSES ONLY AND MIGHT NOT REFLECT ACTUAL QUANTITIES AND SITE CONDITIONS. CONTRACTORS SHALL SATISFY THEMSELVES AS TO ACTUAL QUANTITIES AND SITE CONDITIONS PRIOR TO BIDDING THE WORK FOR THE CONSTRUCTION COVERED BY THIS PLAN.
- A REASONABLE EFFORT HAS BEEN MADE TO SHOW THE LOCATIONS OF EXISTING UNDERGROUND FACILITIES AND UTILITIES IN THE CONSTRUCTION AREA. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UTILITIES AND/OR FACILITIES CAUSED DURING THEIR CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL CALL 48 HOURS IN ADVANCE FOR BLUE STAKE (1-800-STAKE-IT) PRIOR TO ANY
- THE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION OF CONSTRUCTION AFFECTING UTILITIES AND THE COORDINATION OF ANY NECESSARY UTILITY RELOCATION WORK
- ALL PAVING, GRADING, EXCAVATION, TRENCHING, PIPE BEDDING, CUT FILL AND BACKFILL SHALL COMPLY WITH THE RECOMMENDATIONS SET FORTH IN THE SOILS (GEOTECHNICAL) REPORT FOR THIS PROJECT IN ADDITION TO THE REFERENCED REQUIRED SPECIFICATIONS AND DETAILS. THE CONTRACTOR SHALL BE AWARE THAT CERTAIN UTILITIES REQUIRE PROPER ATTENTION AND CAREFUL PLANNING DURING SITE CONSTRUCTION. PLEASE NOTE THAT UTILITIES ON THESE PLANS MAY NOT EXHIBIT THE FULL PROTECTIVE COVER REQUIRED DURING THE SUBGRADE PREPARATION PHASE OF THE CONSTRUCTION. IN SUCH INSTANCES, THE CONTRACTOR SHALL PROVIDE ADDITIONAL PROTECTION (SUCH AS RAMPING) OF INCREASED PIPE STRENGTH TO PROVIDE THE NECESSARY PROTECTION REQUIRED TO PREVENT DAMAGE DURING THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL HOLD THE ENGINEER HARMLESS IN ALL CASES FOR DAMAGES TO UTILITIES WHERE INADEQUATE PROTECTIVE MEASURES OCCUR.
- 10. THE CONTRACTOR IS TO VERIFY THE LOCATION AND THE ELEVATIONS OF ALL EXISTING UTILITIES AT POINTS OF TIE-IN PRIOR TO COMMENCING ANY NEW CONSTRUCTION. SHOULD ANY LOCATION OR ELEVATION DIFFER FROM THAT SHOWN ON THESE PLANS, THE CONTRACTOR SHALL CONTACT THE OWNER'S
- CONTRACTOR TO VERIFY AND COORDINATE ALL DIMENSIONS AND SITE LAYOUT WITH ARCHITECT'S FINAL SITE PLAN AND FINAL BUILDING DIMENSIONS BEFORE STARTING WORK. REPORT DISCREPANCIES TO OWNER'S AGENT.
- 12. COORDINATION BETWEEN ALL PARTIES IS ESSENTIAL PART OF CONTRACT.
- 13. CONTRACTOR IS RESPONSIBLE FOR PROJECT AND SITE CONDITIONS. AND TO WORK WITH WEATHER CONDITIONS AS THE PROJECT SITE MAY BE LOCATED IN A FLOOD PRONE AREA AND SUBJECT TO FLOODING AND ITS HAZARDS
- 14. THE CONTRACTOR IS TO VERIFY THE LOCATION, ELEVATION, CONDITION, AND PAVEMENT CROSS-SLOPE OF ALL EXISTING SURFACES AT POINTS OF TIE-IN AND MATCHING, PRIOR TO COMMENCEMENT OF GRADING, PAVING, CURB AND GUTTER, OR OTHER SURFACE CONSTRUCTION. SHOULD EXISTING LOCATIONS, ELEVATIONS, CONDITION, OR PAVEMENT CROSS-SLOPE DIFFER FROM THAT SHOWN ON THESE PLANS, RESULTING IN THE DESIGN INTENT REFLECTED ON THESE PLANS NOT ABLE TO BE CONSTRUCTED, THE CONTRACTOR SHALL NOTIFY THE OWNER'S AGENT IMMEDIATELY FOR DIRECTION ON HOW TO PROCEED PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR ACCEPTS RESPONSIBILITY FOR ALL COSTS ASSOCIATED WITH CORRECTIVE ACTION IF THESE PROCEDURES ARE NOT FOLLOWED.
- CONTRACTOR IS RESPONSIBLE TO COORDINATE UTILITY CROSSINGS AT CULVERT CROSSINGS BEFORE STARTING WORK ON CULVERT, COORDINATE WITH OWNER REPRESENTATIVE. VERIFY UTILITY LINES AND/OR CONDUITS ARE IN PLACE BEFORE STARTING CULVERT WORK.
- 16. CONSTRUCT RETENTION BASIN AS SHOWN. CONTRACTOR TO SCARIFY BOTTOM OF BASIN TWO FEET DEEP AND NOT ALLOW COMPACTION OVER 80%.
- 17. THIS PROJECT REQUIRES A REGULAR ONGOING MAINTENANCE PROGRAM FOR THE DESIGNED DRAINAGE SYSTEM(S) TO PRESERVE THE DESIGN INTEGRITY AND THE ABILITY TO PERFORM ITS OPERATIONAL INTENT. FAILURE TO PROVIDE MAINTENANCE WILL JEOPARDIZE THE DRAINAGE SYSTEM(S)' PERFORMANCE AND MAY LEAD TO IT'S INABILITY TO PERFORM PROPERLY AND/OR CAUSE DAMAGE ELSEWHERE IN THE PROJECT.
- SEWER LINES DESIGNED IN PROFILE AND PUBLIC WATER LINES ARE REQUIRED TO BE ASBUILT AND THE INSTALLATION AND TESTING WITNESSED BY A PROFESSIONAL ENGINEER IN ACCORDANCE WITH ARIZONA ADMINISTRATIVE CODES R18-9-E301 "4.01 GENERAL PERMIT: SEWAGE COLLECTIONS SYSTEMS" AND R18-5-507 AND 508 "APPROVAL OF CONSTRUCTION" AND "RECORD DRAWINGS", RESPECTIVELY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY OWNER 72 HOURS IN ADVANCE WHEN THOSE SYSTEMS ARE READY TO BE WITNESSED.
- THE WORK PRODUCT PRESENTED IS BELIEVED TO BE COMPLIANT WITH THE INTENT OF THE CURRENT AMERICANS DISABILITIES ACT (ADA) REQUIREMENTS AS INTERPRETED BY THE REVIEWING AGENCY(S). IF CONSTRUCTION OF THE PROJECT IS DELAYED, THIS WORK PRODUCT SHOULD BE UPDATED TO ACCOUNT FOR ANY RELEVANT ADA UPDATES BEFORE CONSTRUCTION BEGINS.
- 20. LOWEST FLOOR (LF) REFERS TO EITHER FLOOR/SLAB ELEVATION OR TOP OF BASEMENT SLAB. LF ELEVATIONS ON THE GRADING AND DRAINAGE PLANS FOR RESIDENTIAL UNITS REFLECT SLAB ON GRADE CONDITIONS AND CANNOT BE LOWERED WITHOUT AGENCY APPROVAL IN LOCATIONS WHERE 'SPECIAL FLOOD HAZARD AREAS' EXIST. IN NON-FLOOD HAZARD LOCATIONS, TO ENSURE THAT ADEQUATE RESIDENTIAL LOT DRAINAGE CAN BE ACHIEVED, A PROFESSIONAL ENGINEER SHOULD BE CONSULTED IF THE LF FOR THE SLAB IS PROPOSED TO BE LOWERED. OR IF A BASEMENT IS TO BE CONSTRUCTED.

PRIVADO WELCOME BUILDING AND PARKING MODIFICATIONS

IMPROVEMENT PLAN SCOTTSDALE, ARIZONA

A PORTION OF SECTION 35, TOWNSHIP 4 NORTH, RANGE 4 EAST OF THE GILA AND SALT RIVER MERIDIAN, MARICOPA COUNTY, ARIZONA

EARTHWORK QUANTITIES (ESTIMATED)

RAW CUT:	213 CY
RAW FILL:	397 CY
QUANTITIES ARE ESTIMATED IN PLACE. NO PRECOMP.	ACTION, SHRINK OR SWELL IS

CITY OF SCOTTSDALE NOTES

PLEASE REFER TO SHEET C2 FOR CITY OF SCOTTSDALE NOTES.

QUANTITIES

PLEASE REFER TO SHEET C2 FOR ESTIMATED QUANTITIES FOR WORK IN PUBLIC **RIGHTS-OF-WAY AND EASEMENTS**

LEGEND

ASSUMED.

PLEASE REFER TO SHEET C2 FOR LEGEND AND LIST OF ABBREVIATIONS.

UTILITY NOTES

- THESE PLANS HAVE BEEN SUBMITTED TO THE FOLLOWING UTILITY COMPANIES FOR APPROVAL WITHIN THEIR AREA OF INTEREST. THE SIZE AND LOCATIONS, AS SHOWN, OF THE GAS, TELEPHONE AND POWER LINES, AND CONNECTIONS AGREE WITH THE FURNISHED INFORMATION CONTAINED IN THE UTILITY COMPANY'S RECORDS. WHERE THE WORK TO BE DONE CONFLICTS WITH ANY OF THESE UTILITIES, THE CONFLICTS SHALL BE RESOLVED AS SPECIFIED IN THE SPECIAL PROVISIONS AND/OR AS OTHERWISE NOTED ON THESE PLANS. CONFLICTS ARISING DURING THE COURSE OF CONSTRUCTION FROM UNFORESEEN CIRCUMSTANCES SHALL BE REPORTED TO THE INTERESTED UTILITY COMPANY AND BE RESOLVED BY THEM AND THE DESIGN ENGINEER
- THE CITY WILL NOT PARTICIPATE IN THE COST OF CONSTRUCTION OR UTILITY RELOCATION.

FEMA FIRM NOTE (ZONE AO)

ACCORDING TO FEMA FLOOD INSURANCE RATE MAPPING. THE SUBJECT PROPERTY IS LOCATED IN 'SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD' "ZONE AO". ZONE AO IS DESCRIBED AS: "FLOOD DEPTHS OF 1 TO 3 FEET (USUALLY SHEET FLOW ON SLOPING TERRAIN); AVERAGE DEPTHS DETERMINED. FOR AREAS OF ALLUVIAL FAN FLOODING, VELOCITIES ALSO DETERMINED."

FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

COMMUNITY NUMBER	PANEL NUMBER	SUFFIX	DATE OF FIRM	FIRM ZONE	BASE FLOOD ELEVATION (IN AO ZONE, USE DEPTH)
04013C	1320	L	07/20/2021	AO	1

10/12/2022

DATE

DATE

ENGINEER'S CERTIFICATION

ENGINEER'S CERTIFICATION: THE LOWEST FLOOR ELEVATION(S) AND/OR FLOOD PROOFING ELEVATION(S) ON THIS PLAN ARE SUFFICIENTLY HIGH TO PROVIDE PROTECTION FROM FLOODING CAUSED BY A ONE-HUNDRED YEAR STORM, AND ARE IN ACCORDANCE WITH CITY OF SCOTTSDALE REVISED CODE, CHAPTER 37-FLOODPLAIN AND STORMWATER REGULATIONS.

ENGINEER SIGNATURE

AS-BUILT CERTIFICATION

I HEREBY CERTIFY THAT THE "RECORD DRAWING" MEASUREMENTS AS SHOWN HEREON WERE MADE UNDER MY SUPERVISION OR AS NOTED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED ENGINEER/ LAND SURVEYOR

PARCEL DESCRIPTION

PARCEL NO. 2: (TENNIS COTTAGES PARCEL) THAT PORT OF THE SOUTHWEST ONE-QUARTER OF SECTION 35, TOWNSHIP 4 NORTH, RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA, DESCRIBED AS FOLLOWS

COMMENCING AT THE SOUTH ONE-QUARTER CORNER OF SAID SECTION 35; THENCE NORTH 00 DEGREES 08 MINUTES 41 SECONDS EAST, ALONG THE NORTH-SOUTH MED-SECTION LINE OF SAID SECTION 35, A DISTANCE OF 1486.58 FEET: THENCE NORTH 89 DEGREES 49 MINUTES 06 SECONDS WEST, 840.00 FEET OF THE

THENCE SOUTH 27 DEGREES 44 MINUTES 13 SECONDS EAST, 177,75 FEET THENCE SOUTH 83 DEGREES 46 MINUTES 19 SECONDS EAST, 39.13 FEET THENCE SOUTH 26 DEGREES 47 MINUTES 27 SECONDS EAST, 26.35 FEET THENCE SOUTH 58 DEGREES 07 MINUTES 53 SECONDS EAST, 43.04 FEET THENCE SOUTH 88 DEGREES 18 MINUTES 25 SECONDS EAST, 29.86 FEET THENCE SOUTH 07 DEGREES 07 MINUTES 02 SECONDS EAST, 47.49 FEET BEGINNING OF A CURVE CONCAVE TO THE SOUTHEAST HAVING A RADIUS OF 150.00

THENCE SOUTH WESTERLY ALONG SAID CURVE THOUGH A CENTRAL ANGLE OF 12 DEGREES 08 MINUTES 15 SECONDS, AN ARCH DISTANCE OF 31.78 FEET; THENCE SOUTH 54 DEGREES 29 MINUTES 46 SECONDS WEST, 446.31 FEET; THENCE NORTH 84 DEGREES 49 MINUTES 13 SECONDS WEST, 43.57 FEET; THENCE NORTH 00 DEGREES 01 MINUTES 45 SECONDS EAST, 619.54 FEET; THENCE SOUTH 89 DEGREES 49 MINUTES 06 SECONDS EAST, 377.78; THENCE NORTH 00 DEGREES 01 MINUTES 45 SECONDS EAST, 18.00 FEET THENCE SOUTH 89 DEGREES 49 MINUTES 06 SECONDS EAST, 103.52 FEET TO THE POINT OF BEGINNING.

EXCEPT ONE-HALF OF ALL OIL AND MINERAL RIGHTS AS RESERVED IN INSTRUMENT RECORDED IN BOOK 124, PAGE 39, RECORDS OF MARICOPA COUNTY, ARIZONA; AND

EXCEPT ALL OIL GAS, OTHER HYDROCARBON SUBSTANCES, HELIUM OR OTHER SUBSTANCES OF A GASEOUS NATURE, COAL, METALS, MINERALS, FOSSILS, FERTILIZER OF EVERY NAME AND DESCRIPTION; AND ALSO EXCEPT ALL URANIUM, THORIUM OR ANY OTHER MATERIAL WHICH IS OR MAY BE DETERMINED TO BE PECULIARLY ESSENTIAL TO THE PRODUCTION OF FISSIONABLE MATERIALS WHETHER OR NOT OF COMMERCIAL VALUE, AS SET FORTH IN SECTION

SOILS REPORT NOTE

37-231, ARIZONA REVISED STATUTES.

A SOILS GEOTECHNICAL REPORT HAS BEEN PREPARED FOR THIS PROJECT TITLED FAIRMONT CASITAS ADDITION BY ALPHA GEOTECHNICAL & MATERIALS, INC. DATED DECEMBER 15, 2021, REPORT NO. 21-G-12692.

NO CONFLICT SIGNATURE BLOCK

REPRESENTATIVE

HAILEY PARKS

JEANETTE DEBOARD

ANDY SAKS

JACOB HORSMAN

RICHARD YOUNG

I DARIN L. MOORE, P.E. , AS THE ENGINEER OF RECORD FOR THIS DEVELOPMENT, HEREBY

IMPROVEMENT PLANS FOR REVIEW, AND THAT ALL CONFLICTS IDENTIFIED BY THE UTILITIES

HAVE BEEN RESOLVED. IN ADDITION, "NO CONFLICT" FORMS HAVE BEEN OBTAINED FROM

CERTIFY THAT ALL UTILITY COMPANIES LISTED ABOVE HAVE BEEN PROVIDED FINAL

EACH UTILITY COMPANY AND ARE INCLUDED IN THIS SUBMITTAL.

UTILITY

COMPANY

ARIZONA PUBLIC SERVICE

LUMEN

SOUTHWEST GAS

COX COMMUNICATIONS

MCI

UTILITY

ELECTRIC

TELEPHONE

NATURAL GAS

SIGNATURE

ENGINEER'S CERTIFICATION

CABLE TV

OTHER

NAME OF COMPANY | TELEPHONE | DATE |

NUMBER

602-493-4401

480-221-7810

480-730-3857

602-615-8995

DATE

CONTACTED SIGNED

08/22/2022

08/22/2022

08/22/2022

08/22/2022

08/22/2022

10/12/2022

SHEET INDEX

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C11	DETAILS & SECTIONS

COVER SHEET

BENCHMARK

CITY OF SCOTTSDALE BRASS CAP FLUSH 450'± NORTH OF PRINCESS DRIVE ON SCOTTSDALE ROAD, BEING THE WEST QUARTER CORNER OF SECTION 35, TOWNSHIP 4 NORTH, RANGE 4 EAST. CITY OF SCOTTSDALE DATUM, NAVD88 DATUM ELEVATION=1553.22'.

I HEREBY CERTIFY THAT ALL ELEVATIONS REPRESENTED ON THIS PLAN ARE BASED ON NAVD 1988, MCDOT, AND MEET THE FEMA BENCHMARK MAINTENANCE (BMM) CRITERIA.

PUBLIC UTILITIES

CITY OF SCOTTSDAL	WATER	
CITY OF SCOTTSDAL	SEWER	
AP	ELECTRIC	
LUME	TELEPHONE	
SOUTHWEST GA	NATURAL GAS	
COX COMMUNICATION	CABLE TV	

PAVING

DRAINAGE

WATER &

SEWER

E HACIENDA WAY SEC. 35, T.4N., R.4E. FRANK LLOYD WRIGHT BLVD

VICINITY MAP

OWNER / DEVELOPER STRATEGIC HOTELS & RESORTS 150 NORTH RIVERSIDE PLAZA, SUITE 4270 CHICAGO, IL 60606 **CONTACT: TIMOTHY TAYLOR** PHONE: (312) 658-6038

ENGINEER

WOOD, PATEL & ASSOCIATES, INC. 2051 WEST NORTHERN AVENUE, SUITE 100 PHOENIX, ARIZONA 85021 CONTACT: DARIN MOORE, P.E. PHONE: (602) 335-8500 FAX: (602) 335-8580

ARCHITECT

KOLLIN ALTOMARE ARCHITECTS 4265 E. CONANT STREET, SUITE 101 LONG BEACH, CA 90808 CONTACT: PAUL ALTOMARE PHONE: (562) 597-8760

PROJECT SITE DATA

ASSESSOR PARCEL NUMBER(S): 215-08-003C PROJECT SITE ADDRESS: 7575 E PRINCESS BLVD SCOTTSDALE, ARIZONA 85255 PROJECT SITE AREA(S): NET AREA = 6.09 AC DISTURBED AREA = 0.68± AC

Land Survey Construction Management www.woodpatel.com Call at least two full working days before ARIZONA811 Arizona Blue Stake, Inc. Dial 8-1-1 or 1-800-STAKE-IT (782-5344 In Maricopa County: (602) 263-1100

WOOD

PATEL

Wood, Patel & Associates, Inc.

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CITY OF SCOTTSDALE CIVIL APPROVAL **REVIEW & RECOMMENDED APPROVAL BY:** SIGNS & MARKINGS **GRADING & PLANNING FIRE** RETAINING SIGNALS & STREET DATE ENGINEERING DEPARTMENT MANAGER

CHECKED BY: DM DESIGNED BY: RS DRAFTED BY: JRS

CITY OF SCOTTSDALE NOTES

GENERAL CONSTRUCTION NOTES FOR CAPITAL PROJECTS

- 1. ALL IMPROVEMENT CONSTRUCTION SHALL COMPLY WITH THE 2020 MARICOPA COUNTY ASSOCIATION OF GOVERNMENTS STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION AS AMENDED BY THE LATEST VERSION OF THE CITY OF SCOTTSDALE SUPPLEMENTAL STANDARD SPECIFICATIONS AND DETAILS AND CITY OF SCOTTSDALE'S DESIGN STANDARDS & POLICIES MANUAL (DS&PM). IF THERE IS A CONFLICT, THE LATTER SHALL APPLY. ALL FACILITIES CONSTRUCTION SHALL COMPLY WITH THE LATEST BUILDING CODES AS AMENDED AND ADOPTED BY THE CITY OF SCOTTSDALE.
- 2. THE ENGINEERING DESIGNS ON THESE PLANS ARE APPROVED BY THE CITY IN SCOPE AND NOT IN DETAIL. IF CONSTRUCTION QUANTITIES ARE SHOWN ON THESE PLANS, THEY ARE NOT VERIFIED BY THE CITY.
- BASED ON THE INFORMATION SUBMITTED ON THE PLANS AND ASSOCIATED DOCUMENTS, THE CITY HAS REVIEWED AND FOUND THEM TO BE IN ACCORDANCE WITH THE SCOTTSDALE REVISED CODE AND ARE ACCEPTABLE FOR PERMIT ISSUANCE. THIS ACCEPTANCE BY THE CITY DOES NOT AUTHORIZE VIOLATIONS OF ANY APPLICABLE CODE, ORDINANCE OR STANDARD AS ADOPTED BY THE SCOTTSDALE REVISED CODE.
- APPROVAL OF THE PLANS BY THE CITY IS VALID FOR SIX MONTHS. IF A PERMIT FOR THE CONSTRUCTION HAS NOT BEEN ISSUED WITHIN SIX MONTHS OF REVIEW, THE PLANS SHALL BE RESUBMITTED TO THE CITY FOR REAPPROVAL.
- 5. ANY DEVIATION FROM THE APPROVED PLANS SHALL BE REVIEWED AND APPROVED BY THE CITY PRIOR TO THAT CHANGE BEING INCORPORATED INTO THE PROJECT.
- A CITY CAPITAL PROJECTS INSPECTOR WILL INSPECT ALL WORK WITHIN THE CITY RIGHTS-OF-WAY, EASEMENTS AND FACILITIES.
- 7. ANY SPECIAL INSPECTION REQUIRED SHALL BE IN ADDITION TO ANY ROUTINE INSPECTION BY THE
- CITY ENCROACHMENT AND BUILDING PERMITS ARE REQUIRED FOR WORK IN PUBLIC RIGHTS-OF-WAY, EASEMENTS GRANTED FOR PUBLIC PURPOSES AND FACILITIES. PERMITS WILL BE ISSUED BY THE CITY THROUGH THE CITY'S ONE STOP SHOP. COPIES OF ALL PERMITS SHALL BE RETAINED ON-SITE AND SHALL BE AVAILABLE FOR INSPECTION AT ALL TIMES. FAILURE TO PRODUCE THE REQUIRED PERMITS WILL RESULT IN IMMEDIATE WORK STOPPAGE UNTIL THE PROPER PERMIT DOCUMENTATION IS OBTAINED.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FOR SALVAGING PROTECTED NATIVE PLANTS PRIOR TO THE START OF CONSTRUCTION.
- 10. CONTRACTOR SHALL CONTACT AZ 811 TWO FULL WORKING DAYS PRIOR TO BEGINNING EXCAVATION.
- 11. ALL EXCAVATION AND GRADING WHICH IS NOT IN PUBLIC RIGHTS-OF-WAY OR IN EASEMENTS GRANTED FOR PUBLIC PURPOSES MUST CONFORM TO SECTION 1803 AND APPENDIX J OF THE LATEST INTERNATIONAL CODE COUNCIL AS ADOPTED AND AMENDED BY THE CITY OF SCOTTSDALE. A PERMIT FOR THIS GRADING MUST BE SECURED FROM THE CITY.
- 12. THRUST RESTRAINT, WHERE REQUIRED, ON ALL CITY WATER LINES SHALL BE PROVIDED USING MEGALUG MECHANICAL JOINT RESTRAINTS OR CITY-APPROVED EQUAL
- 13. ANY ASPHALT MIX DESIGN USED ON CITY PROJECTS SHALL HAVE BEEN APPROVED FOR THAT USE PER SECTION 5-10 OF THE CITY'S DS&PM AND APPEAR ON THE "APPROVED LIST OF ASPHALT MIXES" AS DISTRIBUTED BY THE EAST VALLEY ASPHALT COMMITTEE (EVAC).
- 14. THE CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE AND REPLACE, AT NO ADDITIONAL COST TO THE CITY, ANY AND ALL PAVEMENT, SIDEWALK, CURB AND GUTTER, DRAINAGE STRUCTURES, ETC. OUTSIDE THE PAY LIMIT THAT ARE DAMAGED DUE TO THEIR ACTIVITIES ON THE PROJECT. THIS INCLUDES, BUT IS NOT LIMITED TO, THE REMOVAL AND REPLACEMENT OF NEWLY CRACKED ROADWAY INFRASTRUCTURE, THE REMOVAL AND REPLACEMENT OF EXISTING CRACKED ROADWAY INFRASTRUCTURE WHERE THE CRACKS HAVE BEEN ENLARGED DUE TO THE CONTRACTOR'S OPERATIONS, THE REMOVAL AND REPLACEMENT OF DEFORMED ROADWAY INFRASTRUCTURE. ALL SAWCUTS USED FOR THE REMOVAL OF THESE ITEMS SHALL BE PERPENDICULAR AND PARALLEL TO THE CENTERLINE CONTROLLING THAT ITEM, OR AT THE DIRECTION OF THE CITY'S CAPITAL PROJECTS INSPECTOR.
- 15. ALL CAPITAL IMPROVEMENT PROJECTS SHALL MEET THE PROCEDURES AND STANDARDS FOR THE USE OF TEMPORARY/SECURITY FENCING AROUND THE PERIMETER OF CONSTRUCTION SITES, AS DEFINED IN THE CITY'S ZONING ORDINANCE, ARTICLE VII, SECTION 7.700.

GENERAL NOTES FOR PUBLIC WORKS CONSTRUCTION

- 1. ALL CONSTRUCTION IN THE PUBLIC RIGHTS-OF-WAY OR IN EASEMENTS GRANTED FOR PUBLIC USE MUST CONFORM TO THE LATEST MAG UNIFORM STANDARD SPECIFICATIONS AND UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION AS AMENDED BY THE LATEST VERSION OF THE CITY OF SCOTTSDALE SUPPLEMENTAL STANDARD SPECIFICATIONS AND SUPPLEMENTAL STANDARD DETAILS. IF THERE IS A CONFLICT. THE CITY'S SUPPLEMENTAL STANDARD DETAILS WILL GOVERN.
- 2. THE CITY ONLY APPROVES THE SCOPE, NOT THE DETAIL, OF ENGINEERING DESIGNS; THEREFORE, IF CONSTRUCTION QUANTITIES ARE SHOWN ON THESE PLANS, THEY ARE NOT VERIFIED BY THE CITY.
- 3. THE APPROVAL OF PLANS IS VALID FOR SIX (6) MONTHS. IF A RIGHT-OF-WAY PERMIT FOR THE CONSTRUCTION HAS NOT BEEN ISSUED WITHIN THIS TIME FRAME. THE PLANS MUST BE RESUBMITTED TO THE CITY FOR REAPPROVAL.
- 4. A CITY INSPECTOR WILL INSPECT ALL WORKS WITHIN THE CITY OF SCOTTSDALE. NOTIFY INSPECTION SERVICES 72 HOURS BEFORE BEGINNING WORK.
- 5. WHENEVER EXCAVATION IS NECESSARY, CALL THE BLUE STAKE CENTER, 811, TWO WORKING DAYS BEFORE EXCAVATION BEGINS.
- 6. PERMISSION TO WORK IN THE RIGHT-OF-WAY (PWR) PERMITS ARE REQUIRED FOR ALL WORKS WITHIN THE RIGHTS-OF-WAY AND EASEMENTS GRANTED FOR PUBLIC PURPOSES. COPIES OF ALL PERMITS MUST BE RETAINED ON-SITE AND BE AVAILABLE FOR INSPECTION AT ALL TIMES. FAILURE TO PRODUCE THE REQUIRED PERMITS WILL RESULT IN IMMEDIATE SUSPENSION OF ALL WORK UNTIL THE PROPER PERMIT DOCUMENTATION IS OBTAINED.

FIRE NOTE:

1. ALL PRIVATE STREETS AND DRIVES SHALL CONFORM TO THE FIRE DEPARTMENT GUIDELINES FOR EMERGENCY VEHICLE ACCESS.

SEWER NOTE:

- 1. THE ONSITE SEWER SYSTEM CONSTRUCTED BY THIS PLAN SET IS A PRIVATE SYSTEM AND WILL NOT BE MAINTAINED BY THE CITY OF SCOTTSDALE.
- 2. MAINTENANCE OF THE ONSITE SEWER SYSTEM IS THE RESPONSIBILITY OF THE OWNER.

WATER NOTE:

1. THE WATER SYSTEM SHOWN HEREIN HAS BEEN DESIGNED TO ADEQUATELY SUPPLY WATER IN SUFFICIENT QUANTITY AND PRESSURE TO MEET LOCAL FIRE REQUIREMENTS.

PAVING QUANTITIES (ESTIMATED)

SAWCUT, REMOVE & REPLACE EXISTING PAVEMENT	7776.03	SY
SIDEWALK RAMP	1	EA
VALLEY GUTTER	140.15	LF
CONCRETE APRON	709.10	SF
CONCRETE SIDEWALK	3,771.84	SF
6" SINGLE CURB	128.8	LF
6" P.C.C OVER 4" A.B.C. OVERCOMPACTED	486.0	SY
6" VERTICAL CURB & GUTTER	260.4	LF
3" A.C. OVER 11" A.B.C.	5829.1	SY
3" A.C. OVER 7" A.B.C.	1593.37	SY

PRIVATE WATER QUANTITIES (ESTIMATE

2" DOMESTIC WATER SERVICE & METER	1	EA
2" REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION	2	EA
6" REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION	1	EA
FIRE HYDRANT	1	EA
6" WATER VALVE	1	EA
45° BEND	4	EA
2" SCH 80 PVC WATER LINE	196.30	LF
6" POLYWRAPPED D.I.P. PRESSURE CLASS 350 WATER LINE	223.0	LF
CONNECT TO EXISTING WATERLINE	3	EA

PRIVATE SEWER QUANTITIES (ESTIMATED)

CONNECT TO EXISTING SEWER LINE	1	EA
6" PVC SDR 35 SANITARY SEWER PIPE	127.8	LF
SANITARY SEWER CLEAN OUT	2	EA
WYE OR WYE WITH 45° BEND	2	EA
30" SANITARY SEWER MANHOLE	1	EA

		EXISTI
593.37	SY	
5829.1	SY	
260.4	LF	
486.0	SY	
128.8	LF	
771.84	SF	E (CONDUIT)
709.10	SF	— E (DUCT BANK) —
140.15	LF	
1	EA	OHT
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2	EA	xx
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— 4"G (MATERIAL) — — 8"S (MATERIAL) — -4"IRR (MATERIAL): — 8"W (MATERIAL) —

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EXISTING SURVEY PROPOSED GRADING, DRAINAGE & PAVING — — — SECTION LINE -1300 — MAJOR CONTOUR <u>C 0.00</u> ROAD CENTERLINE ---- EASEMENT ______1.0% SURVEY MARKER _ GB _ RIDGE UG ELECTRIC (BURIED CABLE) UG ELECTRIC (CONDUIT) 050505050 TW 0.00 UG ELECTRIC (DUCT BANK) OVERHEAD ELECTRIC **₽** Ţ OVERHEAD TELEPHONE UG TELEPHONE \bigcirc CABLE TELEVISION OUTFALL ELEVATION OVERHEAD CABLE TELEVISION EL:XX.XX TELEPHONE DUCT BANK BARBED WIRE FENCE CHAIN LINK FENCE WOOD FENCE **BLOCK WALL** GAS LINE SEWER LINE STORM DRAIN PIPE IRRIGATION LINE -

LEGEND

WATER LINE CURB SIDEWALK MAJOR CONTOUR MINOR CONTOUR VEGETATION BUILDING **SEWER MANHOLE** STORM DRAIN MANHOLE TELEPHONE MANHOLE SPOT ELEVATION JUNCTION BOX/RISER FIRE HYDRANT WATER VALVE

STREET/PARKING LIGHT

UTILITY POLE

CATCH BASIN

WOOD PATEL Wood, Patel & Associates, Inc Water Resources Land Survey

Construction Management 602.335.8500 www.woodpatel.com

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BUILDING FICATIONS IT PLANS

OME MODIF

A D



CONCRETE SIDEWALK CONCRETE PAVEMENT LIGHT DUTY **ASPHALT PAVEMENT** HEAVY DUTY **ASPHALT PAVEMENT** STREET/PARKING LIGHT ADA PARKING SYMBOL

—— MINOR CONTOUR

RIP RAP

DRYWELL

SPOT ELEVATIONS

STORM DRAIN PIPE

GRADE BREAK/RIDGE

WALL ELEVATION

SLOPE ARROW

STORM DRAIN CATCH BASIN

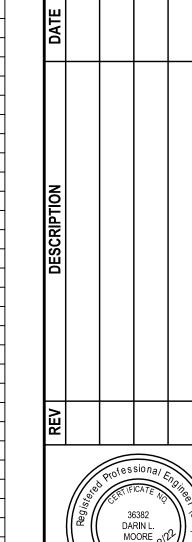
ROOF DRAIN/DRAIN ARROW

SITE ULTIMATE OUTFALL

LOCATION & ELEVATION

PROPOSED WATER & SEWER WATER LINE WATER LINE FITTINGS **BACKFLOW PREVENTION DEVICE** WATER VALVE FIRE DEPARTMENT CONNECTION FIRE HYDRANT WATER METER PLUG REDUCER TAPPING SLEEVE & VALVE **CURB STOP** PRESSURE RELEASE VALVE ·--AIR/VACUUM RELEASE VALVE SEWER LINE SEWER MANHOLE CLEANOUT

BB	BOTTOM OF BANK
С	CONCRETE ELEVATION
COS	CITY OF SCOTTSDALE
E.S.V.A.E.	EMERGENCY VEHICLE ACCESS EASEME
EX	EXISTING
FG	FINISHED GROUND
FL	FLOW LINE ELEVATION
G	GUTTER ELEVATION
GB	GRADE BREAK
INV	INVERT ELEVATION
IRR	IRRIGATION
LF	LINEAR FEET
LFF	LOWEST FINISHED FLOOR ELEVATION
MIN	MINIMUM
NG	NATURAL GROUND ELEVATION
N.T.S.	NOT TO SCALE
Р	PAVEMENT ELEVATION
PL	PROPERTY LINE
RIM	RIM ELEVATION
S	SLOPE
SD	STORM DRAIN
SE	SEWER EASEMENT
SS	SEWER SERVICE
STD	STANDARD
TB	TOP OF BANK
TC	TOP OF CURB
TF	TOP OF FOOTING ELEVATION
TW	TOP OF WALL ELEVATION
U.E.	UTILITY EASEMENT
UG	UNDERGROUND
W.I.	WROUGHT IRON



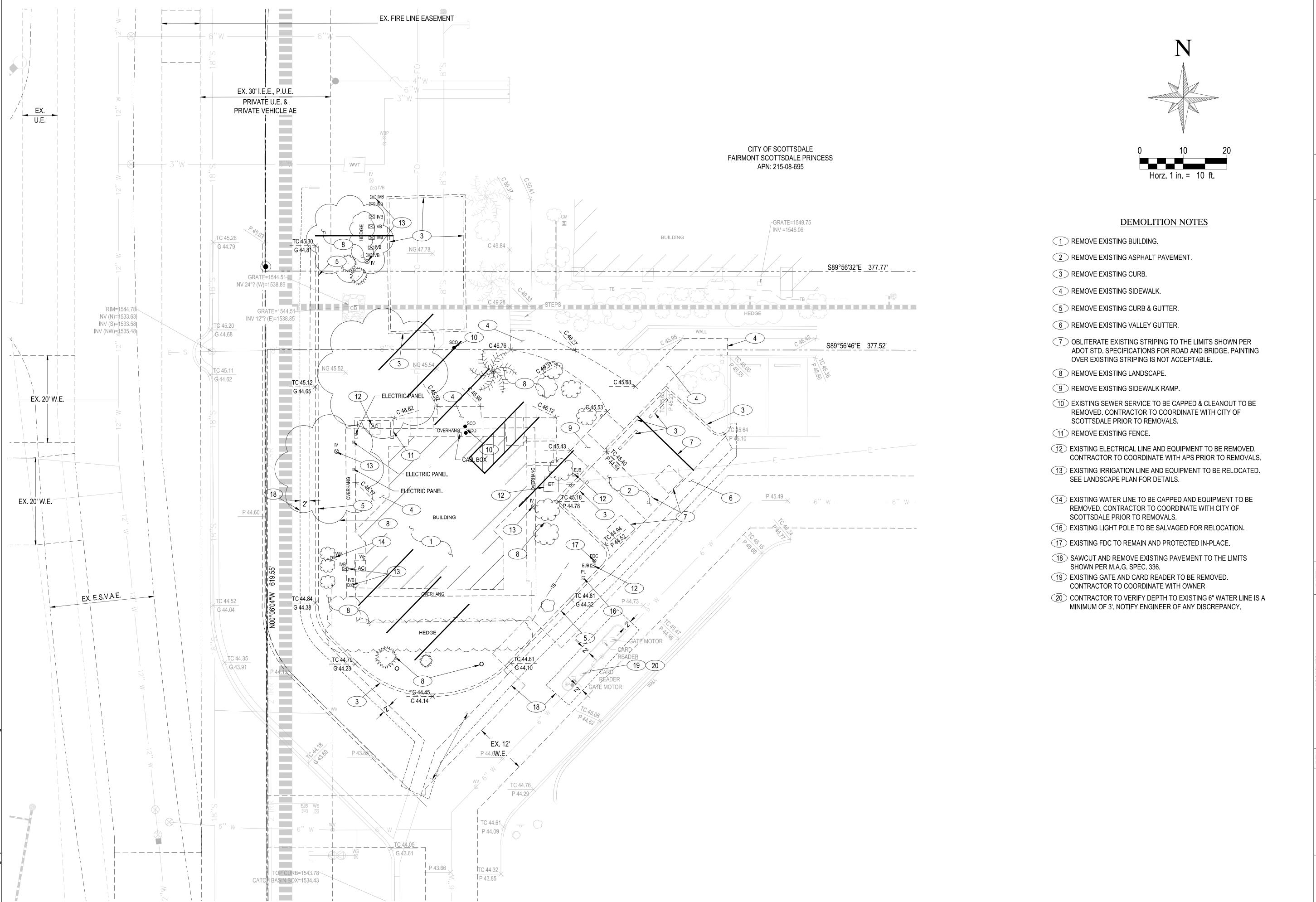
C2 OF 11 CHECKED BY: DM DESIGNED BY: RS DRAFTED BY: JRS

EXPIRES 06-30-25

SCALE (HORIZ.) N/A SCALE (VERT.) N/A

DATE 10/12/2022

JOB NUMBER 215319





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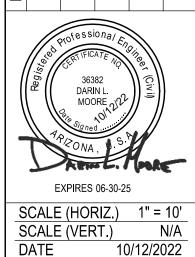
Construction Management 602.335.8500

Call at least two full working days before you begin excavation. ARIZONA 811
Arizona Blue Stake, Inc.



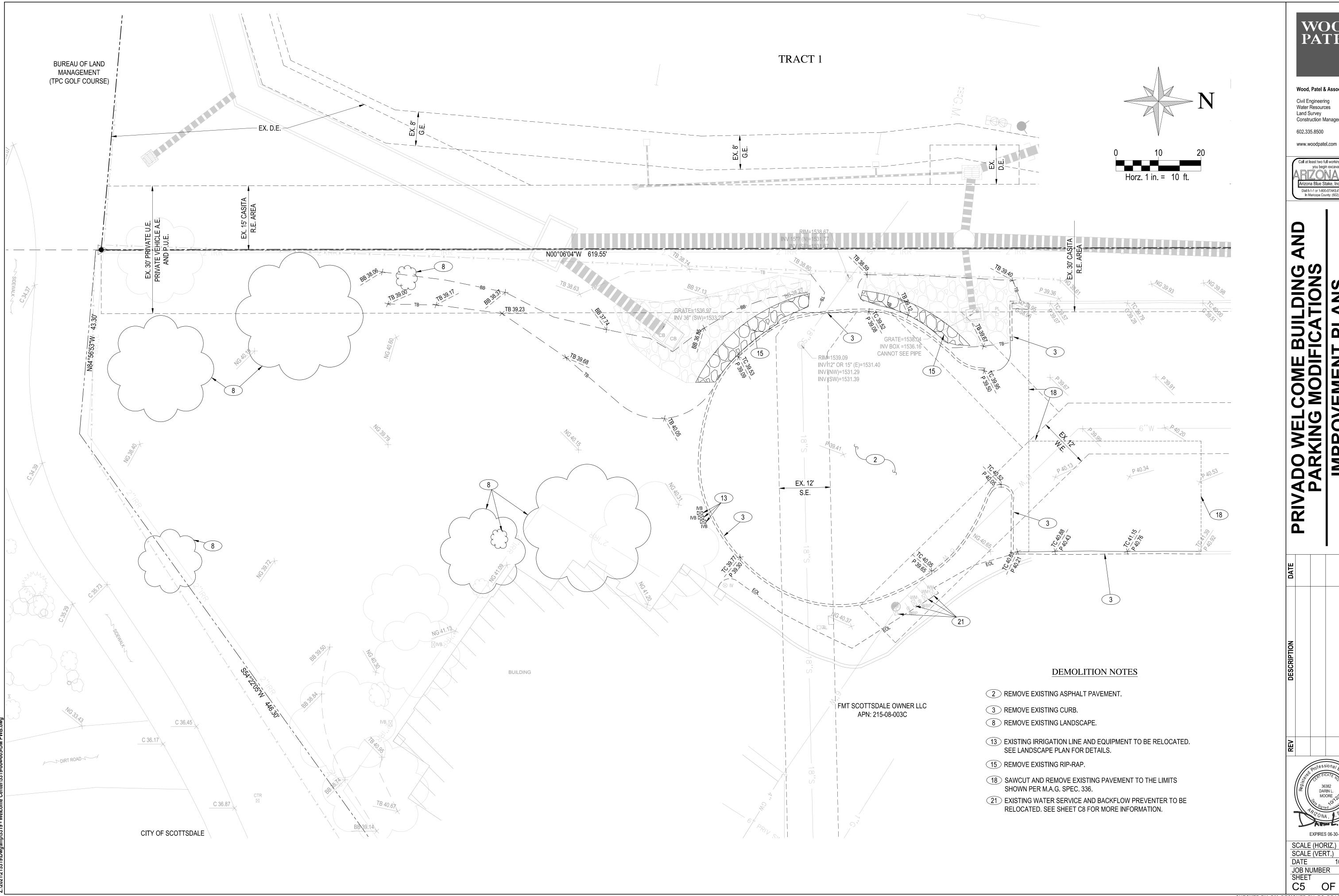
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JOB NUMBER 215319 SHEET

C4 CHECKED BY: DM DESIGNED BY: RS DRAFTED BY: JRS



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PRIVADO PAI



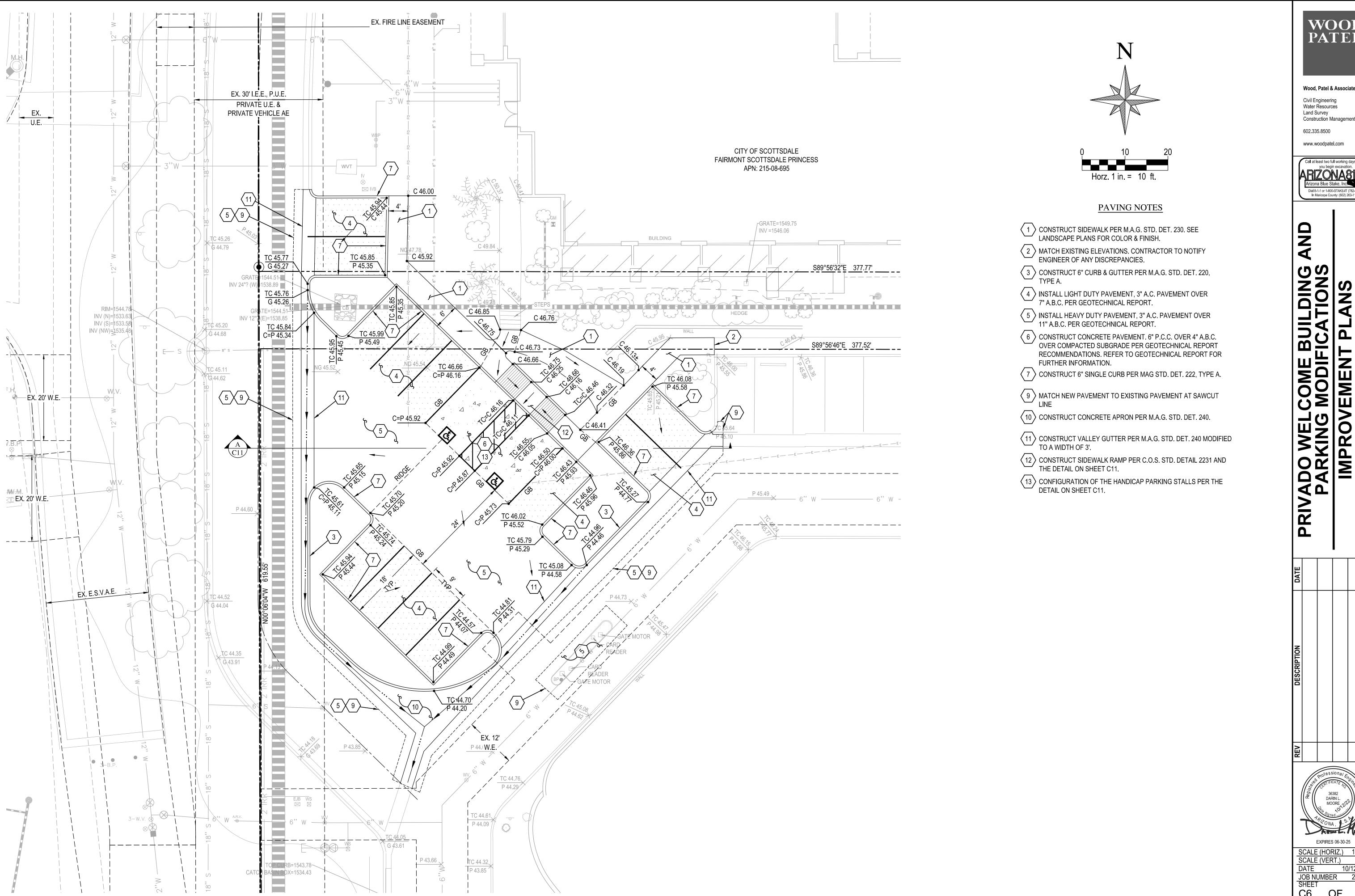
EXPIRES 06-30-25 SCALE (HORIZ.) 1" = 10'
SCALE (VERT.) N/A

DATE 10/12/2022

JOB NUMBER 215319
SHEET

C5 OF 11

CHECKED BY: DM DESIGNED BY: RS DRAFTED BY: JRS



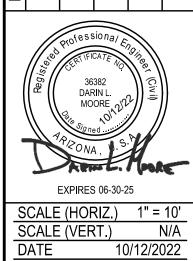
WOOD PATEL

Wood, Patel & Associates, Inc. Civil Engineering Water Resources Land Survey

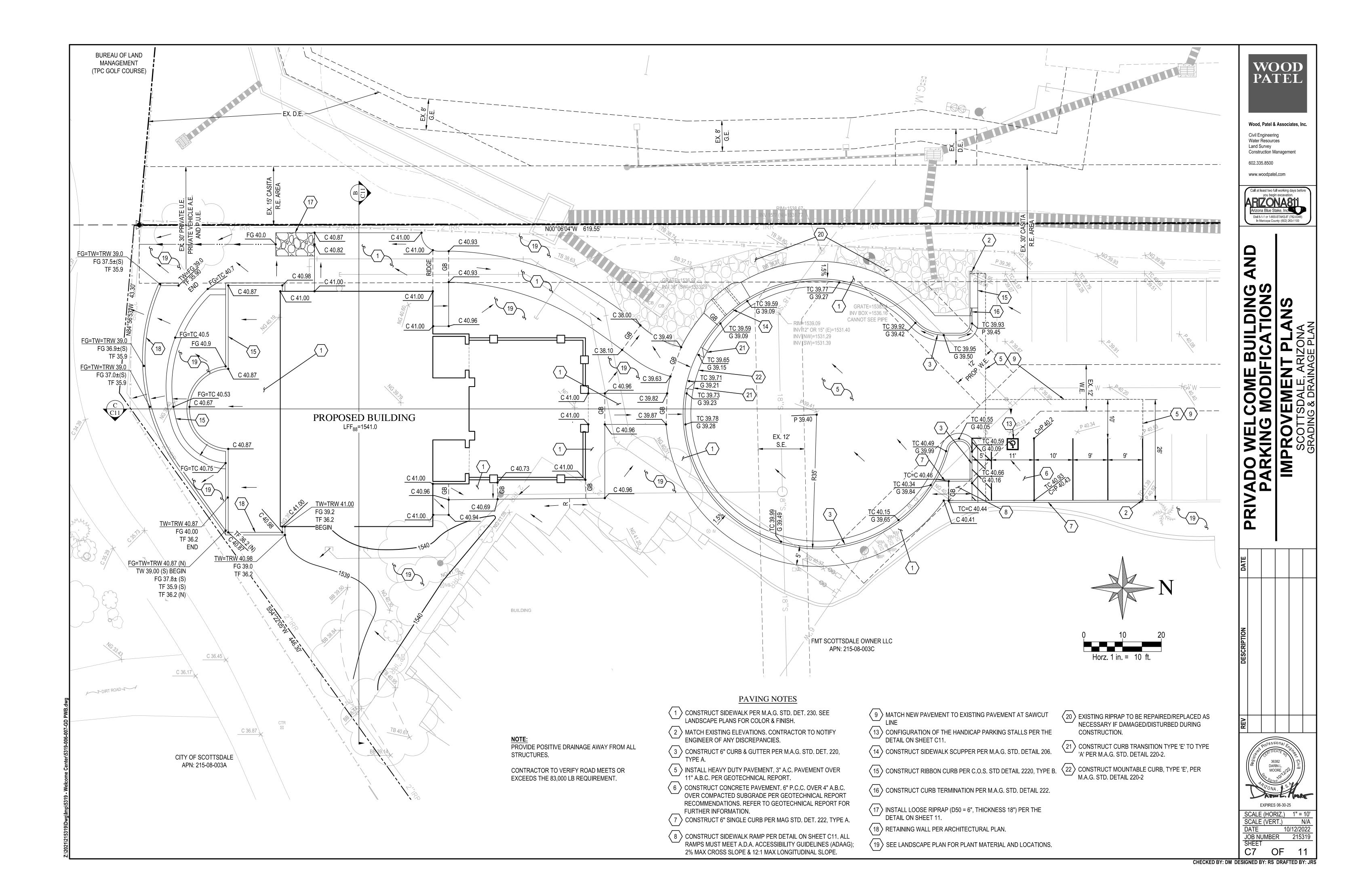
Construction Management 602.335.8500

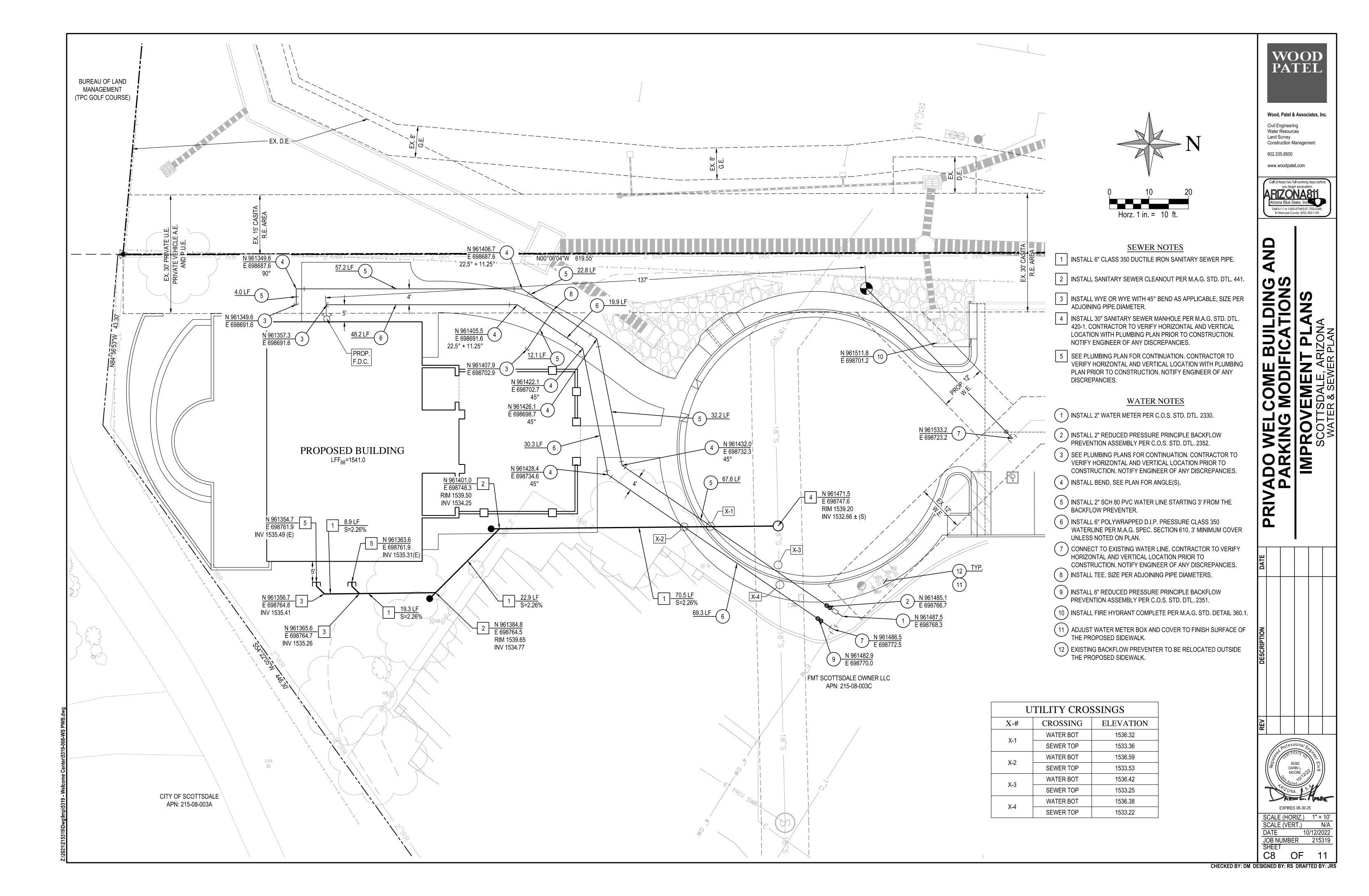
www.woodpatel.com

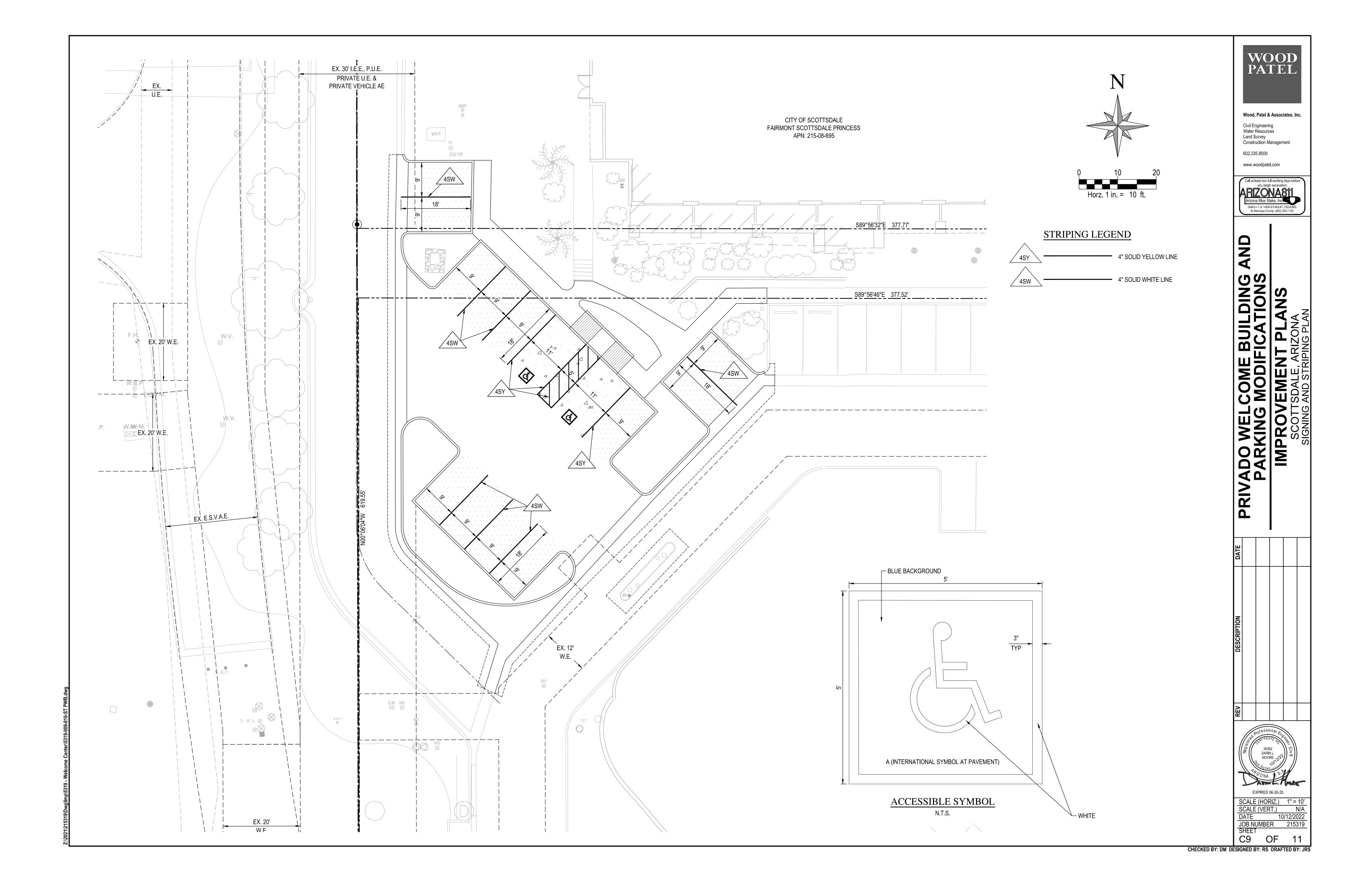
Call at least two full working days before you begin excavation. ARIZONA811
Arizona Blue Stake, Inc. Dial 8-1-1 or 1-800-STAKE-IT (782-5348 In Maricopa County: (602) 263-1100

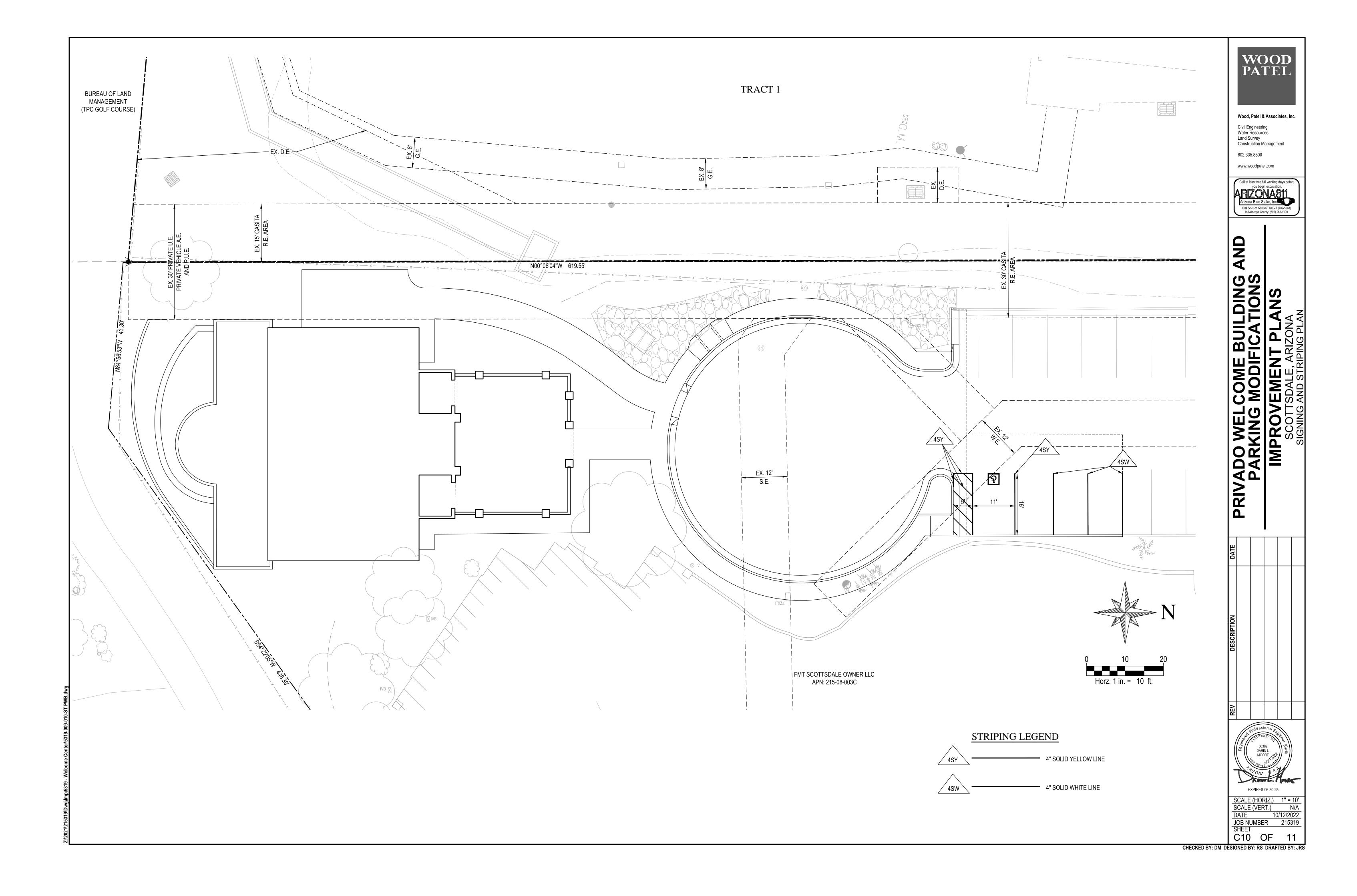


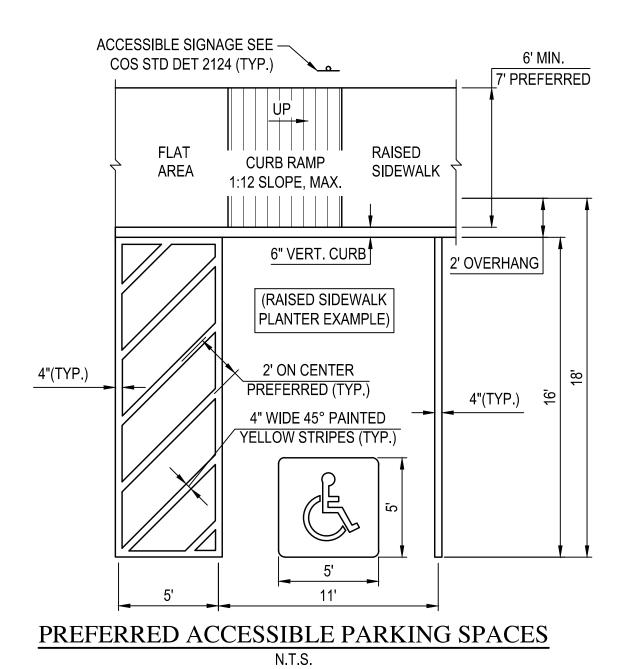
JOB NUMBER 215319
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C6 OF 11 CHECKED BY: DM DESIGNED BY: RS DRAFTED BY: JRS

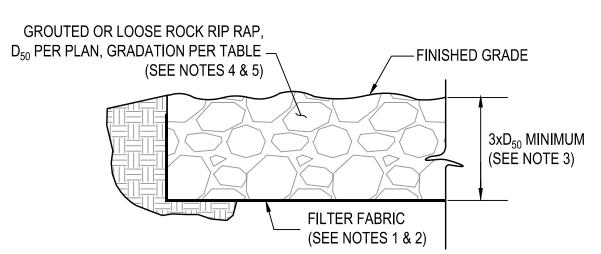








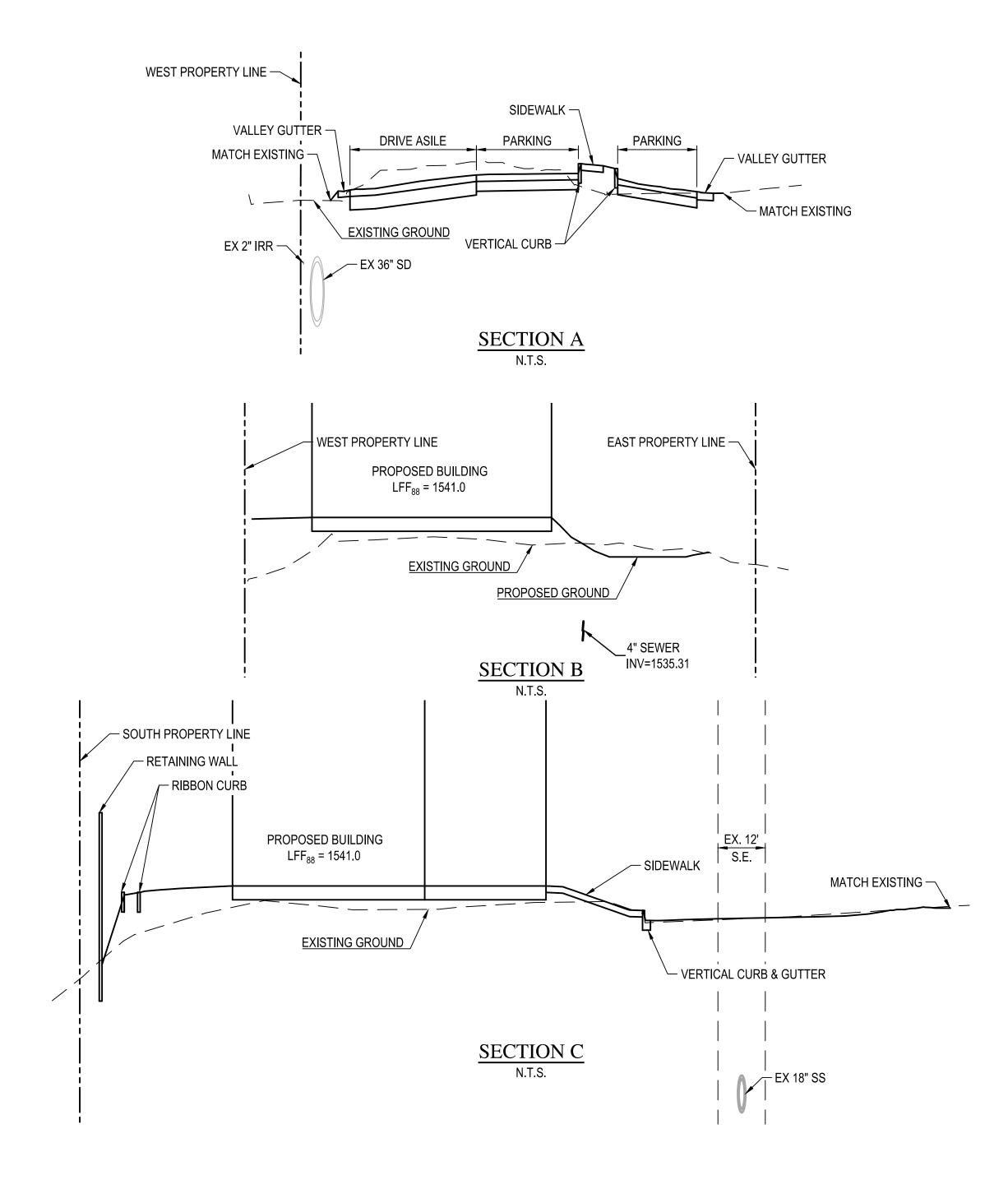


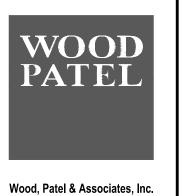


ROCK RIPRAP SECTION

ROCI	ROCK RIPRAP GRADATION TABLE					
PERCENT		ROCK SIZE (IN.)				
PASSING	D ₅₀ =4"	D ₅₀ =6"	D ₅₀ =8"	D ₅₀ =12"		
100 TO 90	8	12	16	24		
85 TO 70	6	9	12	18		
50 TO 30	4	6	8	12		
15 TO 5	3	4	5	8		
5 TO 0	1	2	3	4		

- 1. FOR LOOSE RIPRAP APPLICATIONS INSTALL "MIRAFI 140NL" FILTER FABRIC, OR APPROVED EQUAL, UNDER ALL LOOSE
- 2. FOR GROUTED RIPRAP APPLICATIONS OMIT FILTER FABRIC.
- 3. DEPTH OF LOOSE RIPRAP SHALL BE 3xD₅₀ MINIMUM UNLESS OTHERWISE SPECIFIED. DEPTH OF GROUTED RIPRAP SHALL BE 2xD₅₀ MINIMUM UNLESS OTHERWISE SPECIFIED.
- 4. RIPRAP SHALL BE ANGULAR ROCK.
- 5. REFER TO LANDSCAPE PLAN FOR RIPRAP COLOR.





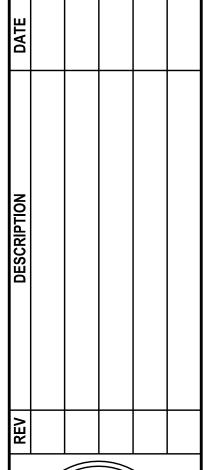
Civil Engineering Water Resources Land Survey Construction Management

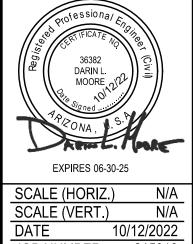
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PRIVADO PAI





JOB NUMBER 215319
SHEET
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GENERAL LIGHTING NOTES

General Provisions

- Provide all materials as detailed on drawings, specifications and/or schedules, and labor as required to achieve a complete and operating lighting system.
- Contractor shall perform all work in strict accordance with all local and national governing codes, including seismic if applicable. Work not in conformance with applicable codes shall be brought into compliance at the contractor's expense.
- All electrical material and equipment shall be in new condition when installed. All equipment shall be listed, or arrives without appropriate
- All equipment shall be factory tested to ensure proper operation prior to shipment to job site.
- Contractor shall guarantee all materials and workmanship related to the electrical installation for a minimum period of one year from the date of ownership turnover. Any defects in materials or workmanship during this guarantee period shall be corrected at the contractor's expense. Contractor shall visit site prior to bid date, to verify all existing conditions to be encountered in the installation of all new equipment, fixtures, devices, feeders, etc. Exact installation method and requirements shall be verified and determined prior to bid date. Contractor shall immediately notify lighting
- designer of any required modifications that are not shown on the drawings. Submittal of bid indicates contractor is cognizant of all job site conditions and work to be performed.
- All equipment, electrical characteristics, locations, and connection requirements shall be verified prior to any rough-in work.
- The complete electrical system shall be grounded in accordance with NEC requirements. Electrical contractor shall be licensed in the jurisdiction where the project is located, and capable of employing the proper labor force necessary to complete the installation as instructed by owner.
- Contractor shall be capable of making emergency warranty repairs within twenty-four (24) hours of notification when a system or component malfunctions during use.
- All measurements found in lighting plans are approximate. Contractor shall make field measurements based on actual site conditions to develop complete orders and install systems per drawings and specifications.
- Emergency egress lighting shall be the responsibility of the Electrical Engineer in consultation with the owner's lighting representative.
- Contractor shall properly verify all circuitry, dimming and control prior to test and adjust phase commencing. 14. Contractor to refer to Interior Design (ID), Architectural (A) and Lighting Drawings (LD) and specification packages for all mounting heights and details for special mounting requirements.

All fixture voltages shall be determined by electrical engineer.

- Fixtures shall have appropriate UL or other recognized testing agency label, as well as damp or wet listing as required by local codes.
- Responsibility for emergency lighting, IECC calculations, and circuiting to meet code compliance remains with the Architect and Electrical Engineer as required by law.
- Fixtures shall include accessories for installation according to local and national codes. Prior to accepting lighting equipment, the contractor shall verify:
 - a. Fixture locations
 - b. Fixture mounting conditions c. Ceiling trim compatibility
 - d. Recess depths

g. Fixture voltage

- e. Existence of IC or other restrictive conditions
- f. Fire rated ceiling or locations
- Contractor to coordinate approved fire-rated enclosures for lighting fixtures located in a fire-rated ceiling.
- Contractor to coordinate IC housing requirements, if any, as required.
- Lamps and accessories (e.g. color filters, louvers, etc.) shall be installed in fixtures in accordance with the provided fixture schedule.
- Ceiling thickness in excess of 3/4" shall be identified in writing by the contractor or architect.
- Fixtures shall be ordered with the appropriate ballasts complete UL, CBM or other recognized testing lab labels. Where required, ballasts shall conform to energy code requirements for performance, switching, and wiring (e.g. tandem).
- Walls directly illuminated by uplight or downlight wall wash shall be installed and finished in a manner to eliminate shadows or blemishes (e.g. hang dry wall vertically, and level 5 drywall finish).
- 12. The drawings are diagrammatic and represent the design intent of the equipment, devices, etc. to be connected and the circuits to which they are to be connected to. Contractor shall install all conduit, j-boxes, etc., as required for a complete and operating system.
- 13. All custom length fixtures (e.g. continuous wall slot fixtures) shall be field measured prior to ordering, and manufacturer shop drawings issued to the lighting designer for review prior to release for manufacture.
- 14. Contractor shall include all miscellaneous items required to complete work and make fixture and lighting systems fully operational.
- 15. Lighting fixtures, shown in these drawings, shall not be used as worklights during construction and shall be fully operational at the time of opening to the public.
- Contractor shall provide Owner and Lighting Designer with one set each of electrical "As-Builts" at the completion of job.
- Lighting Design Alliance specifically reserves the right to relocate any equipment or outlet at no increase in contract cost prior to its installation (in case of standard product) or release for manufacture (in the case of custom product), regardless of prior shop or design drawing review.
- Contractor shall be responsible for rough and final aiming and focus of all lighting fixtures as directed by lighting designer during Test and Adjust phase.

Execution

- All conduit runs shall be concealed unless shown otherwise, or approved.
- Existing conditions shown are from available record drawings and visual field survey and are shown for reference only. Contractor shall verify actual existing conditions at site.
- Contractor to supply a minimum of two electricians for each Lighting Designer directing focus during the Test and Adjust phase (AKA Focus and Programming). Electricians to be minimum journeyman level experience. Contractor must supply adequate support including ladders, lifts or other equipment required to access fixtures at the time for focus, including evening or night work as may be required due to schedule conflict or daylight impact.
- Contractor to have all necessary equipment available throughout Test and Adjust phase including, but not limited to:
- Standard contractor electrician hand tools
- Socket set
- Clean lint-free towels or wipes to clean lenses and reflectors Spare lamps for fixtures being focused
- Ladders, fully-charged lifts or other means of access to areas being focused Safety harnesses or other devices as required.

- Distributor to submit for approval on the products he intends to furnish within (7) days of award of contract. Failure to submit within deadline constitutes a guarantee that only the base specified products will be supplied and that no other products, whether listed as alternates or not, will be considered.
- Requests for approval of non-specified products must be accompanied by the following at least five (5) business days in advance of the bid submittal date:
- a. Specification data sheet complete with manufacturer name and specified model number, as well as manufacturer's published photometrics
- c. Sample of product.
- Manufacturers of submitted products must have been in business for five years and in no instance will this project be the occasion of the first installation of this product if it is not listed on the specification.
- Distributor shall allow proper ordering time for procurement of fixtures. Lighting Design Alliance shall be notified immediately of any product substitutions as a result of delivery, prior to ordering alternate product. Failure to order fixtures with adequate lead-time to meet the installation schedule does not relieve the contractor of the responsibility to provide and install the specified product, even after substantial completion, with all labor and material charges for other trades at the contractor's expense.
- Should a manufacturer fail to deliver a product that has been ordered within reasonable lead-time, Distributor/Contractor shall notify Lighting Design Alliance with a proposed alternate fixture. Lighting Design Alliance shall maintain final authority for authorization of any substitution.
- Lamps and any accessories specified shall be included in the submittal package for all fixtures. If no submittal is made on lamps, lamps must be provided as specified, or from approved manufacturers: Philips, Osram Sylvania, General Electric, Ushio, and Venture.
 - Contractor shall provide Complete Maintenance Manuals including, but not limited to:
 - a. Required scheduled maintenance. b. Original Manufacturer's Equipment (OME) technical data sheets.
 - Detailed operating procedures.
 - d. A list of recommended spare parts and lamps. e. Installation wiring diagrams.
 - f. Shop drawings g. Installation and/or construction As-Built drawings.

Fixture Specifications

- All lighting fixtures shall be mounted and supported in accordance with applicable safety standards and all national and local electrical codes.
- All exterior equipment shall be rated for wet location and the IP rating of all equipment shall conform to the conditions in which the fixture is mounted.
- Contractor shall provide fixture-mounting kits as required to suit the exact type of ceiling or condition to which they are mounted.
- All fixtures shall be supplied with accessories as listed. All remote transformers and /or ballasts are to be located as close to the fixture as possible, hidden from guest view in an accessible compartment that is well ventilated to provide heat dissipation.
- All transformers shall be fused on the secondary side.
- LED fixtures requiring digital communication for complete functionality shall be provided with allowances for: routing and pulling required, digital control wiring as per the manufacturer's specification; termination of digital control wiring for signal transmission; addressing, commissioning, and verification of
- all LED digital controls; interface with dimming and control system or building management controls as necessary. Contractor to supply lamps only from approved lamp manufacturers. Approved manufacturers: Philips, Osram Sylvania, General Electric, Ushio, Venture.
- Color filters shall be glass or dichroic unless otherwise indicated in drawings or specifications.
- a. Where a specific color has not been called for in specifications, contractor shall confirm color with lighting designer prior to ordering. b. Contractor to provide 20% additional color filters for each color and size.
- Contractor to provide lamps for all fixtures in full cases to exceed the number required by no less than 10%.
- 10. Contractor to replace all burned out or inoperative lamps at the end of the construction phase prior to Test and Adjust (also known as "aiming" of "focusing") phase and once again prior to Owner occupancy or project opening.

Dimming and Control System Specifications

- Equipment specified shall be the sole responsibility of a single manufacturer. The manufacturer shall have been producing lighting control equipment for at least ten years. In order to maintain a high standard of quality and service, the manufacturer of the complete system shall also be the manufacturer of
- the dimmer modules used in the system. Lighting control systems required shall include all major components indicated, as well as incidental components required for proper operation.
- All branch circuits terminating in a dimmer panel shall have a separate dedicated neutral conductor. There shall be NO common neutral conductors used for any load or branch circuit wiring from the dimmers.
- Contractor shall be responsible for termination of line and load wires in the dimmer bank. Control conduit and control wires shall be installed by the Contractor. Distributor/Contractor shall include and coordinate factory startup.
- Contractor shall include and coordinate factory commissioning. Contractor shall notify Lighting Design Alliance of date of factory commissioning.
- Upon completion of the installation, the system shall be completely commissioned by a factory-employed engineer. The check-out will be performed after all loads have been tested live for continuity and freedom from defects. Contractor shall verify that all control wiring has been connected and checked for proper continuity. The factory-employed engineer shall demonstrate and educate the owner's representative(s) on the system capabilities, operation and maintenance.
- Emergency warranty repairs shall be performed by a factory trained service technician within twenty four (24) hours of notification when a system or component malfunctions during use. Manufacturer shall offer upgraded warranty based upon successful field commissioning.
- Manufacturer shall offer a renewable service contract on a year to year basis which will include parts and factory labor as well as annual training visits.
- Manufacturer shall be capable of providing on-site service support within 24 hours anywhere in the continental USA and within 72 hours anywhere in the world, except where special visa are required.
- Service contracts will be available for up to ten years from date of system commissioning.
- Dimmed circuits that also control lights designated as part of emergency egress lighting are to be routed through a system that allows immediate bypass of dimmed circuit to allow lighting to come to full in emergency situations as required by local and national codes.

LIGHTING FIXTURE SCHEDULE

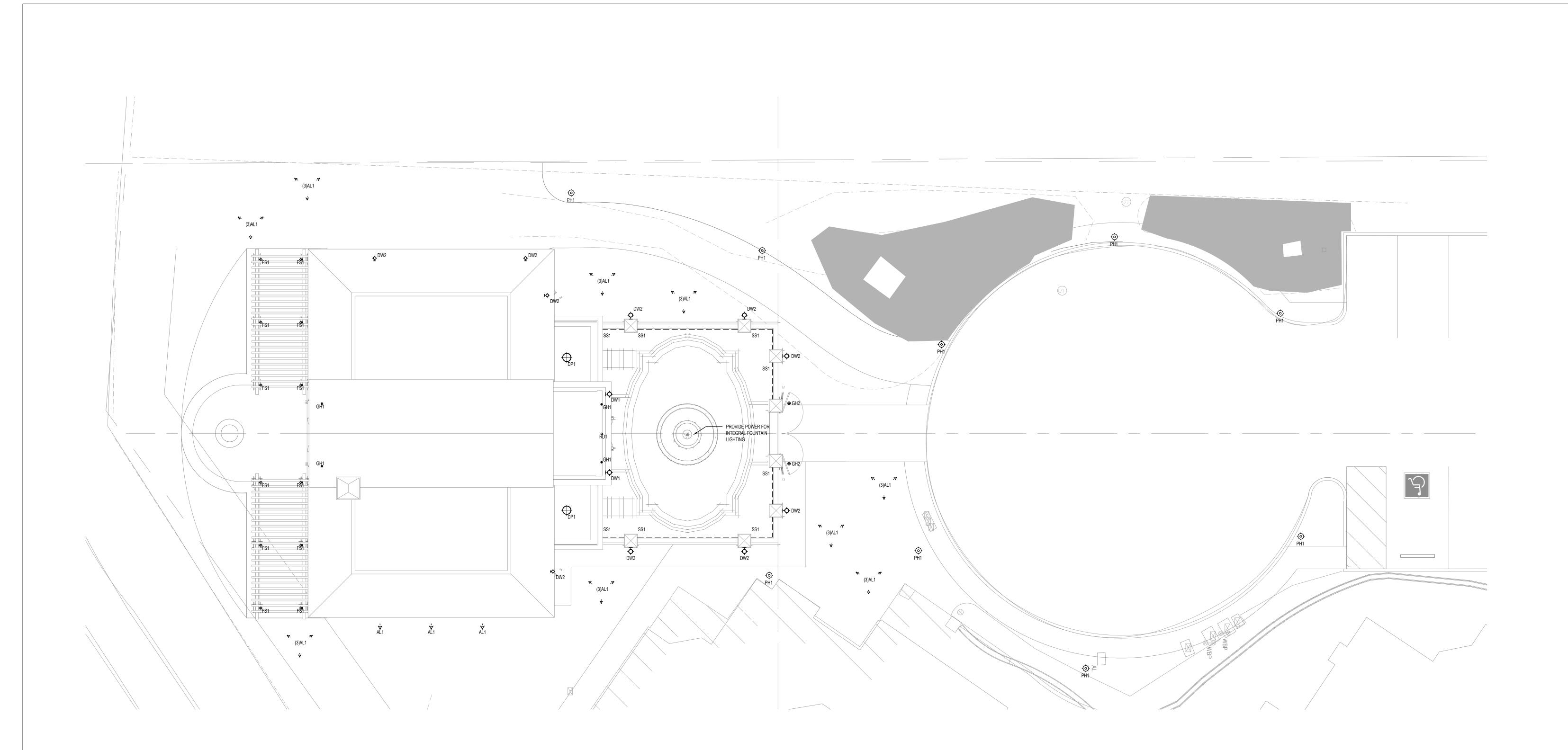
TYPE	DESCRIPTION	SHORT DESCRIPTION	MANUFACTURER & CATALOG #	LIGHT SOURCE	WATTS	VOLTS	LOAD TYPE	DIM TYPE	REMARKS
AL1	Stake-mounted landscape uplight with glare shield and: • Optics: 35° • Dimensions: 2.45"Ø x 8.65"L • Transformer: remote, dimming	Landscape Uplights	Aspen LED • Luminaire: ASPEN-A-P2-90-27K-12-35-WSL-KM-C3-(FINISH) • Mount: PM60C	Integral LED • CCT: 2700K • CRI: 90 • Lumens: 935	12 max.	12	LED	MLV	Conceal remote transformer in accessible, ventilated location. Uplights may be subject to curfew dimming controls - circuit accordingly. Contractor may specify alternative mounting accessories. Contractor to provide a remote transformer.
DP1	Decorative pendant, suitable for exterior, with: • Dimensions: 26"Ø x 16.5"H • Rating: wet	Exterior Pendants	Hinkley Lighting Finn 12395OZ	(5) Green Creative 5.5FB11DIM/927/R • CCT: 2700K • CRI: 92 • Lumens: 500 • Watts: 5.5 • Base: E12 candelabra	300 max.	120	LED	ELV	Confirm selection and mounting height with Architect.
DW1	Decorative wall sconce, suitable for exterior, with: • Dimensions: 28.5"H x 4.75"W x 4" Proj. • Rating: wet, darksky	Exterior Decorative Sconce	Hinkley Lighting Mist 1225BZ	(1) Green Creative 6GU10DIM/827 FL40 • CCT: 2700K • CRI: 82 • Lumens: 550 • Watts: 6 • Base: GU10 •Beam: 40°	6.5	120	LED	ELV	Confirm selection and mounting height with Architect.
DW2	Downlight wall sconce, suitable for exterior, with: • Dimensions: 4.5"H x 4.5"W x 6.7" Proj. • Rating: wet, darksky	Exterior Decorative Sconce	Tech Lighting Bowman 4 700WSBOW 4 Z LED827	Integral LED • CCT: 2700K • CRI: 90+ • Lumens: 696	17.8	120/277	LED	ELV	Confirm selection and mounting height with Architect.
FS1	Downlight wall sconce, suitable for exterior, with: • Dimensions: 4.5"H x 4.5"W x 6.7" Proj. • Rating: wet, darksky	Trellis Downlights	Tech Lighting Bowman 4 700WSBOW 4 Z LED827	Integral LED • CCT: 2700K • CRI: 90+ • Lumens: 696	17.8	120/277	LED	ELV	Confirm selection and mounting height with Architect.
GH1	Ingrade uplight with: Optic: adjustable 15°-60° Trim: 4.625" round, bronze Recessed Depth: 6.25" Accessory: concrete pour kit, where needed Rating: outdoor Driver: integral, onboard dimming and beam adjustment	Ingrade Uplights - SP	WAC Lighting • Luminaire: 5032 30 BZ • Concrete Pour Kit: 5030-PIP-PVC (if needed)	Integral LED • CCT: 3000K • CRI: 85 • Lumens: 65-515	11.5 max.	120	LED	NON (onboard)	Set to 7w output, 15° beam, which may be adjusted during aiming session. Confirm mounting conditions prior to ordering. Uplights may be subject to curfew dimming controls - circuit accordingly.
GH2	Ingrade uplight with: Optic: adjustable 15°-60° Trim: 4.625" round, bronze Recessed Depth: 6.25" Accessory: concrete pour kit, where needed Rating: outdoor Driver: integral, onboard dimming and beam adjustment	Ingrade Uplights - FL	WAC Lighting • Luminaire: 5032 30 BZ • Concrete Pour Kit: 5030-PIP-PVC (if needed)	Integral LED • CCT: 3000K • CRI: 85 • Lumens: 65-515	11.5 max.	120	LED	NON (onboard)	Set to 12w output, 60° beam, which may be adjusted during aiming session. Confirm mounting conditions prior to ordering. Uplights may be subject to curfew dimming controls - circuit accordingly.
PH1	12' exterior pole-mounted downlight cylinder with: • Optics: type IV downlight • Dimensions: 10.7"H x 7.3"Ø • Rating: IP65, IK08, B1-U0-G1 • Driver: integral, dimming	Pedestrian Pole Light	Ligman USA Tango 36 Single Head Post Top • Luminaire: UTA-20011 38w T4 W30 (finish color) 120/277V DIM • Pole: SC76 (finish)	Integral LED • CCT: 3000K • CRI: 80+ • Lumens: 2777	38	120-277	LED	0-10V	Confirm selection with Architect. Provide concrete base as needed.
RD1	Recessed LED downlight, suitable for exterior, with: • Housing: new construction • Optic: 25° • Bevel: black, 4.625"Ø with regressed lens • Trim: flanged • Ceiling Thickness: 0.5"-1.5" • Recessed Depth: 4" • Driver: integral, dimming	Recessed Downlights for Exterior	Aculux Initia • Housing: INIT3 D 08LM 27K 90CRI 25D FPC 120 • Trim: NT3DBV BD BLSF WSOL	Integral LED • CCT: 2700K • CRI: 90+ • Lumens: 854	8	120	LED	TRIAC	Confirm trim and finish.
SS1	Surface mounted LED tapelight, suitable for exterior, with: Optics: 120°, downlight Mounting: flat channel, wall Lens: frosted white Dimensions: 1.4"H x 1.7"W Max Continuous Run: 50' Field Cuttable: 4" OC Rating: wet Driver: remote, dimming	Exterior Tapelight	Kelvix Max 200 (Outdoor) • Tape: JMX27K-WR-24V • Channel: CH219N-2-WH-CP-EC • Driver: HLV96	Integral LED • CCT: 2700K • CRI: 90+ • Lumens: 220/ft	1.9 /ft	24	LED	MLV	Do not dimension lengths from lighting documents. Install end-to-end with no visible gaps between fixtures. Provide all necessary mounting and connecting hardware for a complete installation. Conceal remote driver in ventilated, accessible location.

SHEET INDEX

Sheet Number	Sheet Title
LD-0.1	GENERAL NOTES AND SCHEDULE
LD-2.1	SITE LIGHTING PLAN
LD-2.2	HORIZONTAL PHOTOMETRIC PLAN
LD-2.3	VERTICAL PHOTOMETRIC PLAN

GENERAL NOTES AND SCHEDULE

Oct 11, 2022





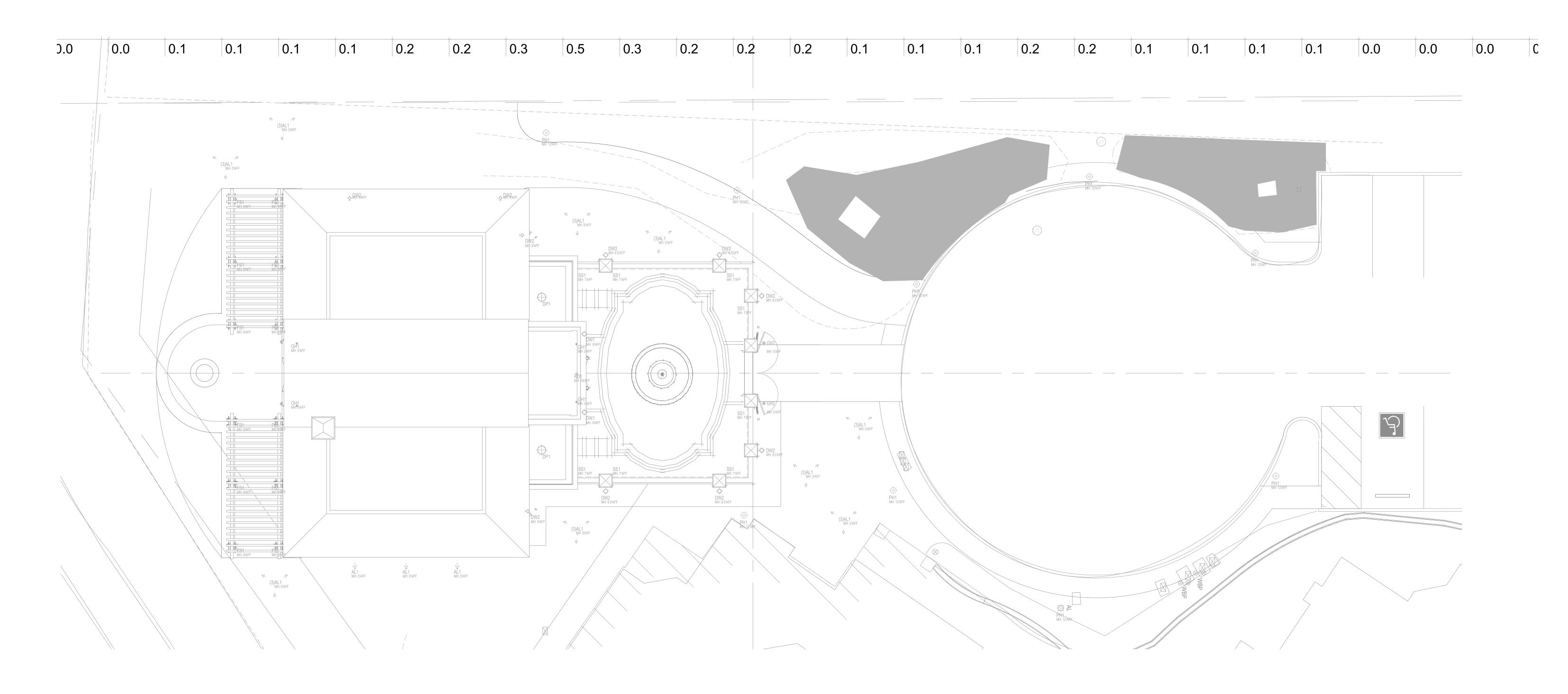
SITE LIGHTING PLAN

Scale
1/0" - 1! 0!

1/8" = 1'-0" Oct 11, 2022

Sc Sc Sc Sc Sc Sc Sc Sc	+0.0	+0.0	0.0	+0.0	+0.0	0.0	0.0	0.0	+	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	+0.0	0.0	0.0	⁺ 0.0	0.0	0.0	0.0
0.0 0.0 0.0 0.1 0.2 0.2 0.3 0.3 0.3 0.4 0.2 0.7 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	U.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	+0.	⁺ 0.1	0.0	0.0	0.0	0.0	⁺ 0.1	0.0	⁺ 0.1	⁺ 0.1	+0.1	+0.1	⁺ 0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec Dec																												
0.0 0.0 0.1 0.2 0.2 0.2 0.3 0.8 3.3 1.5 0.5 0.4 0.3 0.3 0.4 0.1 0.0 0.2 0.5 0.3 0.2 0.0 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	0.0	0.0	0.0	0.0	0.0	+0.1	0.1	⁺ 0.	⁺ 0.1	⁺ 0.1	⁺ 0.1	0.1	0.1	+0.1	+0.1	⁺ 0.1	⁺ 0.2	+0.4	0.3	0.3	+0.1	+0.1	⁺ 0.1	0.0	0.0	0.0	0.0
00 0.0 0.2 23 3.2 2.4 1.1 1.8 5.4 4.6 1.4 23 2.6 0.7 0.3 0.2 0.4 1.2 3.1 2.0 0.9 0.4 0.2 0.1 0.0 0.0 0.0 0.0 0.1 0.3 3.7 4.9 3.1 3.0 2.5 6.3 2.1 0.5 0.6 1.7 1.5 3.3 2.7 2.2 2.5 0.6 0.1 0.0 0.0 0.0 0.0 0.1 0.3 3.8 4.8 2.2 2.8 1.8 3.5 0.9 0.8 2.0 2.6 1.2 0.5 0.6 1.5 1.7 0.9 0.2 0.0 0.0 0.0 0.1 0.3 3.8 4.8 2.2 2.8 1.8 3.5 0.9 0.8 2.0 2.8 1.2 0.5 0.6 0.3 0.4 1.1 2.1 1.1 0.2 0.1 0.0 0.0 0.0 0.1 0.3 3.6 4.8 2.2 2.8 1.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2	_											·													<u>-</u>			
0.0 0.0 0.2 2.3 3.2 2.4 1.1 1.6 5.4 4.8 1.4 2.3 2.6 0.7 0.3 0.2 0.4 1.2 3.5 2.6 0.9 0.4 0.2 0.1 0.0 0.0 0.0 0.0 0.0 0.1 0.3 3 4.5 3.5 3.0 3.0 2.5 6.3 2.1 0.5 0.0 1.7 1.5 3.3 2.7 2.2 2.6 0.0 0.1 0.0 0.0 0.0 0.0 0.1 0.3 3.4 4.5 3.5 2.7 3.5 4.8 1.9 0.2 0.0 0.0 0.0 0.0 0.1 0.3 3.6 4.8 1.9 0.2 0.0 0.0 0.0 0.0 0.1 0.3 3.6 4.8 1.9 0.2 0.0 0.0 0.0 0.0 0.1 0.3 3.6 4.8 1.9 0.2 0.0 0.0 0.0 0.0 0.1 0.3 3.6 4.8 1.9 0.2 0.0 0.0 0.0 0.0 0.1 0.3 3.6 4.8 1.9 0.2 0.0 0.0 0.0 0.0 0.1 0.3 3.6 4.8 1.9 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	0.0	0.0		— ·— ·—	0.1	0.2	0.3	(O)	0.5	0.2	0.1	0.1	0.1	0.3	0.3	0.4	0.5	1.5 © PH1 MH: 122AFF	3.3	0.8	0.3	0.2	O.2 _{AL1} WH: O'AFF	0.2	0.1	0.0	0.0
0.0 0.1 0.3 3.7 4.9 3.0 3.0 2.5 6.3 2.1 0.5 0.6 17 1.5 3.3 2.7 2.2 2.5 0.6 0.1 0.0 0.0 0.0 0.0 0.1 0.3 3.8 5.2 3.8 7.4 7.5 7.0 2.4 0.7 2.9 4.4 2.1 1.7 1.7 2.5 4.8 1.9 0.2 0.0 0.0 0.0 0.1 0.3 3.8 4.8 2.8 3.6 3.5 0.9 0.8 2.9 2.6 1.2 0.5 0.6 1.5 1.7 0.9 0.2 0.0 0.0 0.0 0.1 0.3 3.1 4.1 2.1 1.1 0.2 0.1 0.0 0.0 0.0 0.1 0.3 3.8 4.9 2.7 2.1 4.0 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1	+0.0	0.0	0.0	0.1	0.2	0.4	0.9	2.8	ф +2	+/3 1 °	1.2	0.4	0.2	0.3	+0.7	±2.6	2.3		⁺ 4.6	5.4	⁺ 1.6	⁺ 1.1	⁺ 2.4	⁺ 3.2	+	⁺ 0.2	0.0	0.0
0.0 0.1 0.3 3.6 4.8 2 2.8 1.8 3.5 0.9 0.8 2.9 2.6 1.2 0.5 0.6 1.5 1.7 0.9 0.2 0.0 0.0 0.0 0.1 0.3 3.6 4.8 2.7 2.7 2.1 4.0 1.1 1.1 1.6 2.0 0.6 0.3 0.4 1.1 2.1 1.1 0.2 0.1 0.0 0.0 0.0 0.1 0.3 3.6 4.9 2.0 2.5 1.2 3.8 1.2 0.9 3.1 2.6 2.0 1.8 1.5 1.6 3.5 0.7 0.2 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0					α				TMH: 12'AFF	MI		•				PH1 MH:12'AFE		N.	₹.	· MAY PAFF		N2 _{AFF}	<u> </u>	GAFF MILITARY	II Ib			
0.0 0.1 0.3 3.6 4.8	0.0	0.0	0.0	0.1	0.6	2.5	⁺ 2.2	2.7	⁺ 2.	+3.3	1.5	1.7	0.6	+0.5	+2.1	6.3 bw2	(3)AL 27 5	+ 3.0 DW2	3)AL' 3W2 * 3.0	ф				4.9	3.7	0.3	0.1	0.0
0.0 0.1 0.3 3.6 4.8						PH1 MH: 12'AFF										SS1 MH: 7/AFF		1 SS1 7'AFF MH: 7'AFF	S					MILLAND STAFF	III III			
0.0 0.1 0.3 3.6 4.8	0.0	0.0	0.0	0.2	1.9	4.8	2.5	1.7	⁺ 1.	1.7	⁺ 2.1	⁺ 4.4	2.9 PH/ PAFF	0.7	DW2 2.4	7.0	7.5	7.4	3.8					5.2	3.8	0.3	0.1	0.0
0.0 0.1 0.3 3.1 4.1 2.1 1.1 0.2 0.1 0.0 0.0 0.1 0.3 3.6 4.9 3.5 6.7 7.5 7.8 3.9 1.4 4.7 2.7 1.0 0.5 0.5 1.8 4.5 1.7 0.2 0.1 0.0 0.0 0.1 0.3 3.6 4.9 2.0 2.5 1.2 3.8 1.2 0.9 3.1 2.6 2.0 1.8 1.5 1.6 3.5 0.7 0.2 0.4 0.0 0.0 0.1 0.3 3.6 4.9 2.0 2.5 1.2 3.8 1.2 0.9 3.1 2.6 2.0 1.8 1.5 1.6 3.5 0.7 0.2 0.4 0.0 0.0 0.1 0.2 2.9 3.8 0.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	+0.0	⁺ 0.0	⁺ 0.0	+0.2	+0.9	+1.7	⁺ 1.5	0.6	⁺ 0.	+0.5	⁺ 1.2	⁺ 2.6	2.9	0.8	MH: 0'A(F) 9	3.5	1.6	DW1 1MH: 9'AFF 1 0 AFF 2 8	G M					-		0/3	0.1	⁺ 0.0
0.0 0.1 0.3 3.6 4.9 3.5 6.7 7.5 7.8 3.9 1.4 4.7 2.7 1.0 0.5 0.5 1.8 4.5 1.7 0.2 0.1 0.0 0.0 0.1 0.3 3.6 4.9 2.0 0.1 0.0 0.0 0.1 0.3 3.6 4.9 2.0 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0		_																AFF	- RDr MH:									
0.0 0.1 0.3 3.6 4.9 3.5 6.7 7.5 7.8 3.9 1.4 4.7 2.7 1.0 0.5 0.5 1.8 4.5 1.7 0.2 0.1 0.0 0.0 0.1 0.3 3.6 4.9 2.0 2.5 1.2 3.8 1.2 0.9 3.1 2.6 2.0 1.8 1.5 1.6 3.5 0.7 6.2 6.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0	0.0	0.1	0.2	1.1	⁺ 2.1	⁺ 1.1	0.4	⁺ 0 .	0.3	0.6	⁺ 2.0	1.6	1.1	@ GH2/ MH: 0'AFF - 1	4.0 _{SS1}	2.1	JAFF 2.7	Gh M-					4.1 GH1 MH®DAFF	*3.1	+0.3	+0.1	0.0
0.0 0.1 0.3 3.6 4.9 2.0 2.5 1.2 3.8 1.2 0.9 3.1 2.6 2.0 1.8 1.5 1.6 3.5 0.7 0.2 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0														¥	O-DW2 MH: 6,5'AFF		<u> </u>		DB1					133 P	UI MHS			
0.0 0.1 0.3 3.6 4.9 2.0 2.5 1.2 3.8 1.2 0.9 3.1 2.6 2.0 1.8 1.5 1.6 3.5 0.7 0.2 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	0.0			1.7	4.5	1.8	0.5	0.	0.5	1.0	2.7	4.7	1.4	3.9 (3)AL1 MH: 0'A	7 ₉₆ 8	7.5	6 ₅₆ 7	3.5					4.9	3.6	0.3	0.1	0.0
0.0 0.0 0.1 0.2 0.2 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	⁺ 0.0	0.0			0.7	3.5	⁺ 1.6	1.5	+1.	⁺ 1.8	⁺ 2.0	+2.6	PH1 MH: 12'AFF +3.1	**************************************	1.2	DW2 MH: 6.57AFF + 3/8 RH1	1.2	DW2 MH: 6.57AFF + 2.5	DW2 MH: 9'AFF 2.0					4.9	3.6	+0.3	⁺ 0.1	+ 0.0
0.0 0.0 0.1 0.2 0.2 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0				\wedge								\otimes		∀				¥FF	(3)AL1 MH:					O'AFF MH: O'AFF	I IP ES1			
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	0.0	0.0	0.1	⁺ 0.2	0.6	0.6 WBP	1.7	1.	4.2	3.1	1.0	0.5	0.3	0.4	0.6	0.3	0.2	0.3	0.0	+O.O H: 0'AFF	1 1:0'AFF + 0.0 AL1 MH:0'A	+0.3	+3,48.7°	2.9	0.2	0.0	0.0
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	+	+	+	+	+ .	+			*.	PH4 MH: 12'AFF	+	+	+	+	+	+	+	+	D# /	+	+	+	+		+	+	+\\	+
Luminaire Schedule Symbol Clabel Arrangement Description LLF Luminaire Lum	0.0	0.0	0.0	0.0	0.1	0.1	0.3			1.8		0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.2	0.2	0.1	0.0	0.0
Symbol Qty Label Arrangement Description LLF Luminaire Luminaire Luminaire Luminaire Matts Mounting Watts Height ◆ 30 AL1 Single WAC Lighting 5011 27 BZ 0.850 567 17.7 531 0 ◆ 2 DPI 5 @ 72 Degrees Hinkley Lighting 123950Z 0.850 546 (lamp) 5.14 (lamp) 51.4 12 ◆ 10 DW2 Single Hinkley Lighting 700WSBOW 4 Z LED827 0.850 700 17.9 179 6.5,9 + Q 12 FS1 Single Tech Lighting 700WSBOW 4 Z LED827 0.850 700 17.9 214.8 9 • 4 GH1 Single WAC Lighting 5032-30BZ A122915 0.800 464 11.2 44.8 0	+0.0	0.0	0.0	0.0	0.0	0.0	⁺ 0.1	0.2	+0.	+0.3	⁺ 0.2	⁺ 0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Single Wat Watts Watts															Mountin	Total	Luminaira	Luminaira				oriotion	Doo	Arrangement	Label			
Process Froad Process Froad Process Process							0.0	0.0	+0.	⁺ 0.1	⁺ 0.1	0.0	0.0	3		Watts	Watts	Lumens			27 BZ					30	Symbol	
10 DW2 Single Tech Lighting 700WSBOW 4 Z LED827 0.850 700 17.9 179 6.5, 9 12 FS1 Single Tech Lighting 700WSBOW 4 Z LED827 0.850 700 17.9 214.8 9 17.9															12) 51.4	5.14 (lamp	546 (lamp)	0.850		395OZ	ley Lighting 120	s Hink	5 @ 72 Degrees	DP1	2 2		
4 GHT Single WAC Lighting 5052-50BZ A122915 0.000 404 11.2 44.0 0							⁺ O O	0.0	+	+0.0	⁺ O O	+0 0	⁺ O O		6.5, 9 9	179	17.9	700			VSBOW 4 Z LED	h Lighting 700W	Tecl			10 12	+10	
							0.0	0.0	O.	0.0	0.0	0.0	0.0		0	22.4	11.2	464	0.800		2-30BZ A122915	C Lighting 5032	WAG	Single	GH2	2	→→	
	CONTAL																				M 27K 90CRI	lux INIT3 D 08L	Acul			9 1	⊕	
	<u>C PLAN</u>			Scale											7	144.21	2.09	209	0.700					Single	SS1	69	1	
Scale Date 1/8" = 1'-0" Oct	et 11, 2022																											





Luminaire	Schedule								
Symbol	Qty	Label	Arrangement	Description	LLF	Luminaire	Luminaire	Total	Mounting
						Lumens	Watts	Watts	Height
→	30	AL1	Single	WAC Lighting 5011 27 BZ	1.000	567	17.7	531	0
	2	DP1	5 @ 72 Degrees	Hinkley Lighting 12395OZ	1.000	546 (lamp)	5.14 (lamp)	51.4	12
-	2	DW1	Single	Hinkley Lighting 1225BZ	1.000	592 (lamp)	5.9 (lamp)	11.8	8
+10	10	DW2	Single	Tech Lighting 700WSBOW 4 Z LED827	1.000	700	17.9	179	6.5, 9
+0	12	FS1	Single	Tech Lighting 700WSBOW 4 Z LED827	1.000	700	17.9	214.8	9
<u> </u>	4	GH1	Single	WAC Lighting 5032-30BZ A122915	1.000	464	11.2	44.8	0
$\overline{\bullet}$	2	GH2	Single	WAC Lighting 5032-30BZ A122915	1.000	464	11.2	22.4	0
$\overline{\bullet}$	9	PH1	Single	Ligman TA-20011-T4-W30	1.000	2491	37.8	340.2	12
$\overline{\Phi}$	1	RD1	Single	Aculux INIT3 D 08LM 27K 90CRI	1.000	530	7.7	7.7	18
				25D EZ1 MVOLT NT3DBV BD					
$\overline{\mathbf{H}}$	69	SS1	Single	Kelvix MX27K-WR-24V	1.000	209	2.09	144.21	7

Calculation Summary									
CalcType	Units	Avg	Max	Min					
Illuminance	Fc	0.11	0.5	0.0					



VERTICAL PHOTOMETRIC PLAN

1/8" = 1'-0" Oct 11, 2022

