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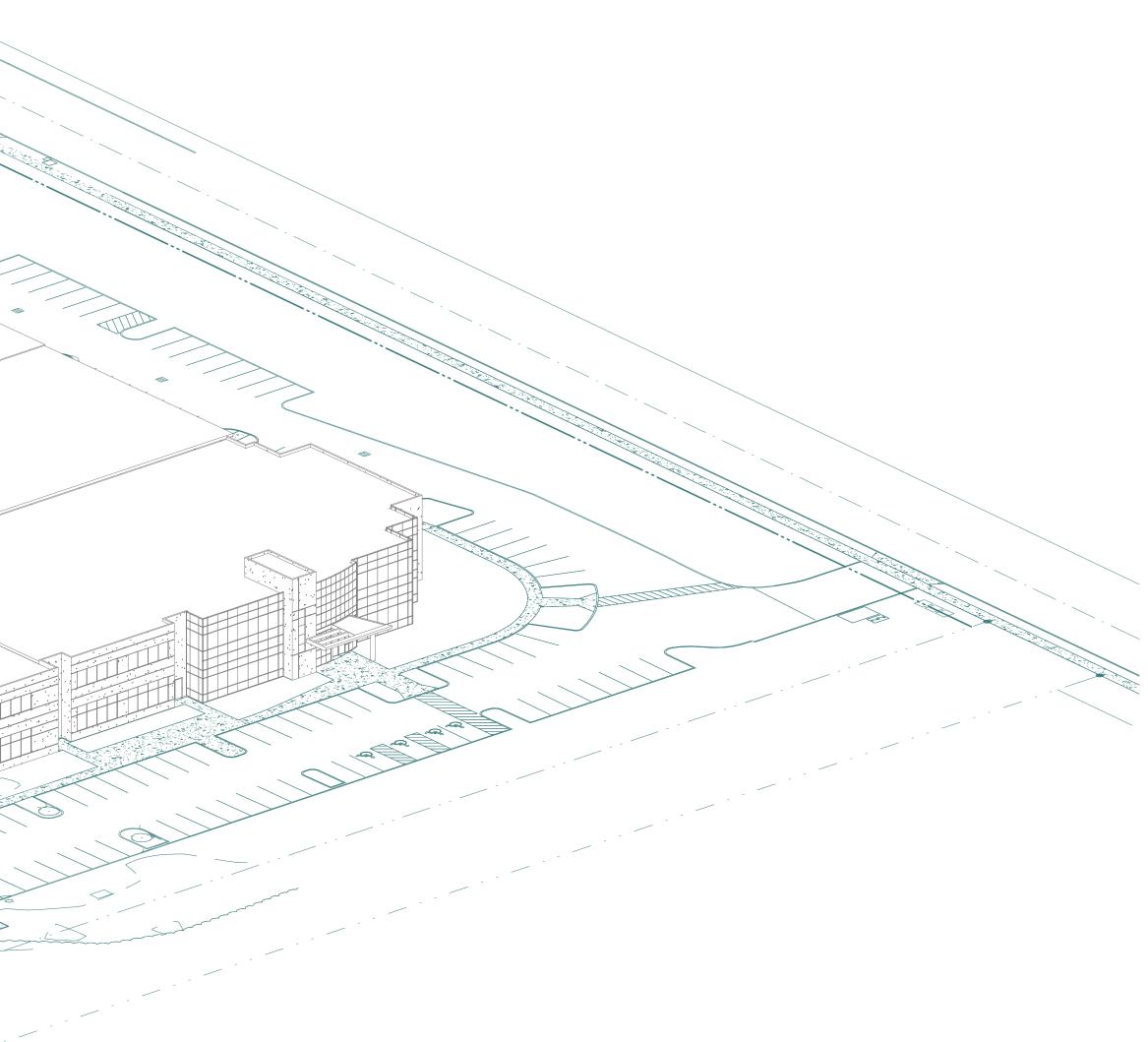
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1 SITE AXON

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ARCHITECTURAL REVIEW 09/18/23



Architecture - Interiors Planning - Engineering

SYMBOLS, AND PLAN PLAN

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NFORMATION

ABBREVIATIONS, EL1.01 ELECTRICAL SITE PHOTOMETRICS

Project

BUILDING G EXPANSION 11200 SW Leveton Dr Tualatin, OR 97062

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GENERAL NOTES

- 1. ALL WORK SHALL CONFORM TO THE CURRENT STANDARD SPECIFICATIONS AND REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION AND THE CURRENT AMERICAN PUBLIC WORKS ASSOCIATION STANDARDS FOR PUBLIC WORKS CONSTRUCTION
- 2. THE SURVEY INFORMATION SHOWN AS A BACKGROUND SCREEN IS BASED ON A SURVEY BY OTHERS AND IS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS WITH ITS OWN RESOURCES PRIOR TO START OF ANY CONSTRUCTION
- 3. CONTRACTOR MUST COMPLY WITH LOCAL AND STATE REQUIREMENTS TO NOTIFY ALL UTILITY COMPANIES FOR LINE LOCATIONS SEVENTY-TWO (72) HOURS (MINIMUM) PRIOR TO START OF WORK. DAMAGE TO UTILITIES SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE
- 4. CONTRACTOR SHALL ADJUST ALL STRUCTURES IMPACTED BY CONSTRUCTION IMPROVEMENTS TO NEW FINISH GRADES
- 5. REQUEST BY THE CONTRACTOR FOR CHANGES TO THE PLANS MUST BE APPROVED BY THE ENGINEER.
- 6. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY REQUIRES A PUBLIC WORKS PERMIT
- 7. CONTRACTOR SHALL PROVIDE THE ENGINEER OF RECORD WITH AS-BUILT PLANS AT LEAST 2 WEEKS PRIOR TO REQUESTING AGENCY SIGN OFF ON PERMITS FOR OCCUPANCY
- 8. CONTRACTOR SHALL PERFORM ALL THE WORK SHOWN ON THE DRAWINGS AND ALL INCIDENTAL WORK NECESSARY TO COMPLETE THE PROJECT

SITE DEMOLITION NOTES

- 1. COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS FOR DEMOLITION OPERATIONS AND SAFETY OF ADJACENT STRUCTURES AND THE PUBLIC
- 2. INSTALL EROSION CONTROL MEASURES AND TEMPORARY FENCING PRIOR TO ANY DEMOLITION ACTIVITIES
- 3. MITIGATE DUST POLLUTION DUE TO DEMOLITION ACTIVITIES
- 4. PROTECT ALL EXISTING STRUCTURES, UTILITIES, LANDSCAPE AND OTHER ELEMENTS THAT ARE NOT DESIGNATED FOR REMOVAL. ANY DAMAGE TO EXISTING IMPROVEMENTS NOT DESIGNATED FOR REMOVAL SHALL BE REPAIRED/REPLACED AT THE CONTRACTOR'S EXPENSE
- 5. DO NOT BEGIN REMOVAL UNTIL ITEMS TO BE SALVAGED OR RELOCATED HAVE BEEN REMOVED AS NOTED. IF REMOVED GRAVEL OR PAVEMENT MATERIALS ARE TO BE RECYCLED OR REUSED, PREVENT CONTAMINATION OF THESE MATERIALS FROM TOPSOIL OR OTHER DELETERIOUS MATERIAL
- 6. CONTRACTOR SHALL COORDINATE DEMOLITION WORK WITH AFFECTED UTILITY COMPANIES, OBTAIN ALL REQUIRED PERMITS, NOTIFY THEM PRIOR TO STARTING WORK, AND COMPLY WITH THEIR REQUIREMENTS. ADDITIONAL REMOVALS MAY BE REQUIRED BY THE AUTHORITIES HAVING JURISDICTION AND THE CONTRACTOR SHALL CONFIRM ACCORDINGLY PRIOR TO BID. ACCURATELY RECORD ACTUAL LOCATIONS OF CAPPED AND ACTIVE UTILITIES FOR AS-BUILT PURPOSES AND SUPPLY TO OWNER AND ARCHITECT/ENGINEER OF RECORD
- 7. DEMOLISH AND REMOVE ALL NON-BUILDING SITE STRUCTURES AND ASSOCIATED FEATURES (APPURTENANCES) AS SHOWN. WITHIN AREA OF NEW CONSTRUCTION, REMOVE DESIGNATED WALLS AND FOOTINGS TO 2 FEET MINIMUM BELOW FINISHED GRADE. DEMOLISH ALL PAVED AREAS DESIGNATED FOR REMOVAL DOWN TO NATIVE SUBGRADE
- 8. ALL VEGETATION AND DELETERIOUS MATERIALS WITHIN THE LIMITS OF WORK SHALL BE STRIPPED AND REMOVED FROM THE SITE PRIOR TO GRADING WORK UNLESS NOTED OTHERWISE (E.G. PROTECTED TREES)
- 9. IF HAZARDOUS MATERIALS ARE DISCOVERED DURING DEMOLITION, STOP WORK AND IMMEDIATELY NOTIFY THE OWNER AND ARCHITECT/ENGINEER OF RECORD

GRADING NOTES

- 1. ROUGH GRADING: ROUGH GRADE TO ALLOW FOR DEPTH OF BUILDING SLABS, PAVEMENTS, BASE COURSES, AND TOPSOIL PER DETAILS AND SPECIFICATIONS
- 2. FINISH GRADING: BRING ALL FINISH GRADES TO LEVELS INDICATED. WHERE GRADES ARE NOT OTHERWISE INDICATED, HARDSCAPE FINISH GRADES ARE TO BE THE SAME AS ADJACENT SIDEWALKS, CURBS, OR THE OBVIOUS GRADE OF ADJACENT STRUCTURE. SOFTSCAPE GRADES (INCLUDING ADDITIONAL DEPTH OF TOPSOIL) SHALL BE SET 6 INCHES BELOW BUILDING FINISHED FLOORS WHERE ABUTTING BUILDINGS, 1-2 INCHES WHERE ABUTTING WALKWAYS OR CURBS, OR MATCHING OTHER SOFTSCAPE GRADES. GRADE TO UNIFORM LEVELS OR SLOPES BETWEEN POINTS WHERE GRADES ARE GIVEN. ROUND OFF SURFACES, AVOID ABRUPT CHANGES IN LEVELS. AT COMPLETION OF JOB AND AFTER BACKFILLING BY OTHER TRADES HAS BEEN COMPLETED, REFILL AND COMPACT AREAS WHICH HAVE SETTLED OR ERODED TO BRING TO FINAL GRADES
- 3. EXCAVATION: EXCAVATE FOR SLABS, PAVING, AND OTHER IMPROVEMENTS TO SIZES AND LEVELS SHOWN OR REQUIRED. ALLOW FOR FORM CLEARANCE AND FOR PROPER COMPACTION OF REQUIRED BACKFILLING MATERIAL. DAMAGE TO UTILITIES SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE
- 4. EFFECTIVE EROSION PREVENTION AND SEDIMENT CONTROL IS REQUIRED. EROSION CONTROL DEVICES MUST BE INSTALLED AND MAINTAINED MEETING THE LOCAL AGENCY AND STATE AGENCY REQUIREMENTS. THE AUTHORITIES HAVING JURISDICTION MAY, AT ANY TIME, ORDER CORRECTIVE ACTION AND STOPPAGE OF WORK TO ACCOMPLISH EFFECTIVE **EROSION CONTROL**
- 5. DRAINAGE SHALL BE CONTROLLED WITHIN THE WORK SITE AND SHALL BE ROUTED SO THAT ADJACENT PRIVATE PROPERTY, PUBLIC PROPERTY, AND THE RECEIVING SYSTEM ARE NOT ADVERSELY IMPACTED. THE ENGINEER AND/OR AUTHORITIES HAVING JURISDICTION MAY, AT ANY TIME, ORDER CORRECTIVE ACTION AND STOPPAGE OF WORK TO ACCOMPLISH EFFECTIVE DRAINAGE CONTROL
- 6. SITE TOPSOIL STOCKPILED DURING CONSTRUCTION AND USED FOR LANDSCAPING SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT
- 7. CONTRACTOR TO REVIEW AND CONFIRM GRADES AT JOIN POINTS, SUCH AS AT DAYLIGHT LIMITS AND BUILDING ENTRANCES, PRIOR TO CONSTRUCTION
- 8. ACCESSIBLE PARKING SPACES AND LOADING ZONES SHALL BE CONSTRUCTED AT 2% MAXIMUM SLOPE IN ALL DIRECTIONS
- 9. PEDESTRIAN SIDEWALK CONNECTIONS BETWEEN PUBLIC R.O.W. AND BUILDING ENTRANCES SHALL BE CONSTRUCTED AT AND 2% MAXIMUM CROSS SLOPE AND 5% MAXIMUM LONGITUDINAL SLOPE (8.33% FOR DESIGNATED RAMPS)

UTILITY NOTES

- REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION.
- DISCREPANCIES.
- FITTINGS, UNLESS OTHERWISE NOTED
- AND BACKFLOW PREVENTER VAULT TO THE DOUBLE DETECTOR CHECK VALVE (FIRE) FOR FLOW SENSOR INSTALLATION AND CONDUIT REQUIREMENTS
- LANDSCAPE PLANS AND SPECIFICATIONS
- CONDUITS, UNLESS NOTED OTHERWISE
- ELEVATION. NOTIFY ENGINEER OF ANY DISCREPANCIES
- LOCATIONS DIFFER FROM AS-BUILT PLANS OR SURVEY FINDINGS
- SPECIFICATIONS AND GENERAL EXPECTATIONS
- OF STRUCTURE TO CENTER OF STRUCTURE
- LIDS/GRATES/ETC TO THE SLOPES OF THE SITE GRADING
- TRAFFIC RATED

EROSION CONTROL NOTES

- MEASURES AND CONSTRUCTION LIMITS
- CONSTRUCTION, INCLUDING APPROPRIATE NON-STORMWATER POLLUTION CONTROLS
- AHJ, THE PLANS, AND THE PROJECT SPECIFICATIONS
- WATER STANDARDS

- OR AS DIRECTED BY THE AUTHORITIES HAVING JURSIDICTION
- PUBLIC STREET OR NEIGHBORING PROPERTIES
- DISTURBED AREAS STEEPER THAN 4H:1V
- ACCOMMODATE THE PROGRESS OF CONSTRUCTION

1. ALL WORK SHALL CONFORM TO THE CURRENT EDITIONS OF THE STATE PLUMBING AND BUILDING CODES WITH LOCAL AMENDMENTS AS APPLICABLE ALONG WITH ANY ADDITIONAL

2. THE WORKING DRAWINGS ARE GENERALLY DIAGRAMMATIC. THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW REQUIRED FOR INSTALLATION IN THE SPACE PROVIDED. THEY DO NOT SHOW EVERY DIMENSION, COMPONENT PIECE, SECTION, JOINT OR FITTING REQUIRED TO COMPLETE THE PROJECT. ALL LOCATIONS FOR WORK SHALL BE CHECKED AND COORDINATED WITH EXISTING CONDITIONS IN THE FIELD BEFORE BEGINNING

CONSTRUCTION. EXISTING UNDERGROUND UTILITIES WITHIN THE LIMITS OF EXCAVATION SHALL BE VERIFIED AS TO CONDITION, SIZE AND LOCATION BY UNCOVERING (POTHOLING), PROVIDING SUCH IS PERMITTED BY THE AUTHORITIES HAVING JURISDICTION, BEFORE BEGINNING CONSTRUCTION. CONTRACTOR TO NOTIFY ENGINEER IF THERE ARE ANY

NOT ALL REQUIRED CLEANOUTS ARE SHOWN ON THE PLANS. PROVIDE CLEANOUTS PER DETAIL 1/C5.10 AS REQUIRED BY THE AUTHORITIES HAVING JURISDICTION AND THE CURRENT EDITION OF THE STATE PLUMBING CODE (E.G. UNIFORM PLUMBING CODE CHAPTER 7, SECTIONS 707 AND 719, AND CHAPTER 11, SECTION 1101.13).

4. ALL SANITARY AND STORM PIPING IS DESIGNED USING CONCENTRIC PIPE TO PIPE AND WYE

ALL DOWNSPOUT LEADERS TO BE 6 INCHES AT 2.0% MINIMUM UNLESS NOTED OTHERWISE 6. IF APPLICABLE, PROVIDE 2 INCH PVC DRAIN LINE FROM DOMESTIC WATER METER VAULT

VAULT. PROVIDE 1/3 HP SUMP PUMP AT BASE OF FIRE VAULT AND INSTALL 2 INCH PVC DRAIN LINE WITH BACKFLOW VALVE FROM SUMP PUMP TO DAYLIGHT AT NEAREST CURB. FURNISH 3/4 INCH DIAMETER CONDUIT FROM BUILDING ELECTRICAL ROOM TO FIRE VAULT FOR SUMP PUMP ELECTRICAL SERVICE. NOTE: COORDINATE WITH FIRE PROTECTION CONTRACTOR

7. PREFABRICATED PLUMBING PRODUCTS USED SHALL BE LISTED ON THE IAPMO R&T PRODUCT LISTING DIRECTORY (pld.iapmo.org). ALL SUBMITTALS FOR REVIEW SHALL BE ACCOMPANIED BY MANUFACTURER'S LITERATURE CLEARLY STATING THIS CERTIFICATION AND/OR THE PRODUCT LISTING CERTIFICATE FROM THE IAPMO DIRECTORY WEBSITE 8. IF APPLICABLE, CONTRACTOR TO PROVIDE POWER TO IRRIGATION CONTROLLER. SEE

9. SEE BUILDING PLUMBING DRAWINGS FOR PIPING WITHIN THE BUILDING AND UP TO 5 FEET OUTSIDE THE BUILDING, INCLUDING ANY FOUNDATION DRAINAGE PIPING

10. CONTRACTOR TO MAINTAIN MINIMUM 3 FEET OF COVER OVER ALL UTILITY PIPING AND

11. WHERE CONNECTING TO AN EXISTING PIPE, AND PRIOR TO ORDERING MATERIALS, THE CONTRACTOR SHALL EXPOSE THE EXISTING PIPE TO VERIFY THE LOCATION, SIZE, AND

12. CONTRACTOR SHALL SCOPE ALL PRIVATE ONSITE GRAVITY SYSTEM LINES THAT ARE BEING CONNECTED TO FOR PROPOSED SERVICE. SCOPING SHALL OCCUR A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION AND THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES WITH AS-BUILT RECORDS/SURVEY FINDINGS OR IF THE EXISTING UTILITIES ARE DAMAGED OR SHOW SIGNS OF SIGNIFICANT DETERIORATION. CONTRACTOR SHALL PROVIDE THE ENGINEER WITH VIDEO RECORDS, ALONG WITH A SKETCH IF THE

13. PRODUCT MATERIAL SUBMITTALS FOR REVIEW BY THE ENGINEER SHALL BE ACCOMPANIED BY A MANUFACTURER'S CERTIFICATION THAT THE PRODUCT IS CAPABLE OF MEETING PERFORMANCE EXPECTATIONS (I.E. - WATERTIGHT, MINIMUM/MAXIMUM BURIAL, PREVENTION OF GROUNDWATER INTRUSION, ETC.) BASED ON THEIR REVIEW OF THE PROJECT PLANS. IN THE ABSENCE OF A MANUFACTURER'S CERTIFICATION, THE GENERAL CONTRACTOR'S REVIEW STAMP SHALL CONSTITUTE THAT THEY HAVE PERFORMED THE NECESSARY REVIEW TO CERTIFY THE PRODUCT'S CONFORMANCE TO PROJECT

14. PIPE LENGTHS SHOWN ON PLANS ARE TWO DIMENSIONAL AND MEASURED FROM CENTER

15. MANHOLE RIM ELEVATIONS SHOWN ON PLANS REFERENCE THE CENTER OF THE

STRUCTURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECONCILING

16. MANHOLE OR VAULT RIM ELEVATIONS SHALL BE SET FLUSH IN PAVEMENT AREAS AND 3-4 INCHES ABOVE GRADE IN LANDSCAPE AREAS. RIMS IN PAVEMENT AREAS SHALL BE H-20

1. HOLD A PRE-CONSTRUCTION MEETING OF PROJECT CONSTRUCTION PERSONNEL THAT INCLUDES THE LOCAL AGENCY INSPECTOR TO DISCUSS EROSION AND SEDIMENT CONTROL

2. EROSION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE BEFORE ANY LAND IS DISTURBED AND MUST REMAIN IN PLACE AND BE MAINTAINED, REPAIRED, AND PROMPTLY IMPLEMENTED FOLLOWING PROCEDURES ESTABLISHED FOR THE DURATION OF

3. THE EROSION CONTROL DRAWING IS FOR GENERAL GUIDANCE ONLY. THE CONTRACTOR SHALL KEEP THE PLAN CURRENT FOR ALL PHASES OF CONSTRUCTION AND MEET EROSION/SEDIMENT CONTROL REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION (AHJ). ALL EROSION CONTROL MEASURES SHALL CONFORM TO THE REQUIREMENTS OF THE

4. CONSTRUCT EROSION CONTROL IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE

METHOD OF INSTALLATION FOR SEDIMENT FENCE SHALL NOT CAUSE DAMAGE TO VEGETATED SLOPE EXCEPT AT POINT OF INSTALLATION. SIDECAST MATERIAL SHALL BE KEPT TO A MINIMUM AND SHALL BE TO THE UPHILL SIDE OF THE SEDIMENT FENCE. THE FENCE SHALL BE INSTALLED AT LEAST 4 FEET FROM ADJACENT TREES

6. ALL EROSION CONTROL DEVICES SHALL BE EXAMINED AND REPAIRED AFTER EACH STORM OCCURRENCE, AND INLETS SHALL BE CLEANED OF SEDIMENT WHENEVER NECESSARY

7. HYDROSEED AND MULCH ALL DISTURBED AREAS UPON COMPLETION OF CONSTRUCTION

8. THE CONTRACTOR SHALL LIMIT CONSTRUCTION TRAFFIC TO PAVED AREAS TO PREVENT AND MINIMIZE SEDIMENT TRACKING OFF-SITE. CONTRACTOR SHALL SWEEP OR VACUUM PAVED AREAS IF SEDIMENT ACCUMULATION OCCURS. DO NOT TRACK SEDIMENT TO THE

9. INSTALL TEMPORARY EROSION PREVENTION SUCH AS JUTE NETTING OR GEOTEXTILE ON

10. STAGING AND STOCKPILE AREAS TO BE DETERMINED BY CONTRACTOR AND ADJUSTED TO

SITE WORK NOTES

- 1. ALL CURB RADII TO BE 3 FEET UNLESS NOTED OTHERWISE
- 2. STAIR RISERS AND TREADS SHALL BE CONFORMANT WITH THE REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION AND THE CURRENT EDITION OF THE STATE BUILDING CODE (E.G. INTERNATIONAL BUILDING CODE, CHAPTER 10, SECTION 1011.5)
- 3. WHEREVER A PEDESTRIAN WALKING PATH IS WITHIN 36 INCHES OF A VERTICAL DROP OF 30 INCHES OR GREATER, GUARDRAIL SHALL BE INSTALLED CONFORMANT WITH THE REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION AND THE CURRENT EDITION OF THE STATE BUILDING CODE (E.G. INTERNATIONAL BUILDING CODE, CHAPTER 10, SECTION 1015)
- 4. PAVEMENTS WITH DEPRESSIONS OR BIRD BATHS, UNCONTROLLED CRACKS WHICH ARE VISIBLE WITHOUT MAGNIFICATION, AND/OR BONY OR OPEN GRADED SURFACES (EXCEPTING POROUS PAVEMENTS) WILL BE CONSIDERED UNACCEPTABLE. CONTRACTOR SHALL REVIEW PAVEMENT REPAIR OR REPLACEMENT ALTERNATIVES WITH THE OWNER AND ENGINEER PRIOR TO CONDUCTING THE REPAIR WORK.

ABBREVIATIONS

Ę	CENTER LINE
۲ ۳	PROPERTY LINE
AC	ASPHALT CONCRETE
AHJ	AUTHORITY HAVING JURISDICTION
AWWA	AMERICAN WATER WORKS ASSOCIATION
BC	BOTTOM OF CURB
BCR	BEGIN CURB RETURN
BMP	BEST MANAGEMENT PRACTICE
BS	BOTTOM OF STEP
BW	BACK OF WALK
C	COMPACT
СВ	CATCH BASIN
CI	CAST IRON
CIP	CAST IN PLACE
CO	CLEANOUT
CONC	CONCRETE
CLR	CLEAR
CVR	COVER
DI	DUCTILE IRON
DW	DOMESTIC WATER
ECR	END CURB RETURN
ELEV	ELEVATION
EP	EDGE OF PAVEMENT
ESC	EROSION/SEDIMENT CONTROL
EW	EACH WAY
EX	EXISTING
FDC	FIRE DEPARTMENT CONNECTION
FF	FINISH FLOOR
FG	FINISHED GRADE
FH	FIRE HYDRANT
FI	FIELD INLET
FL	FLOWLINE
FL	FIRE WATER/FACE OF WALL
G/GUT	GUTTER LINE
G/GOT GB	GRADE BREAK
H	ACCESSIBLE STALL
HDPE	HIGH-DENSITY POLYETHYLENE
HMA	HIGH-DENSITY POLYETHYLENE HOT MIX ASPHALT
IE LT	INVERT ELEVATION LEFT
L I ME	LEFT MATCH EXISTING
ME MH	MATCH EXISTING MANHOLE
	MANHOLE MECHANICAL JOINT
MJ	
NTS	NOT TO SCALE
ODOT	OREGON DEPARTMENT OF TRANSPORTATION
OSHA	OREGON STATE HEALTH AUTHORITY
OSSC	OREGON STATE SPECIFICATIONS FOR CONSTRUCTION
PC	
PCC	POINT OF COMPOUND CURVATURE
PCCP	PORTLAND CEMENT CONCRETE PAVING
PR	PROPOSED
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
RD	ROOF DRAIN
ROW	RIGHT OF WAY
RSGV	RESILIENT SEAT GATE VALVE
RT	RIGHT
S	STANDARD
SAN	SANITARY SEWER
STA	STATION
STM	STORM
SW	SIDEWALK
TC	TOP OF CURB
TH	THRESHOLD
TS	TOP OF STEP
TW	TOP OF WALL
TYP	TYPICAL
WC	WHEELCHAIR

EGEND	EXISTING
HT-OF-WAY LINE	
JNDARY LINE	
NTERLINE	
OPERTY LINE	
RB	
TLAND BOUNDARY	WTB
GE OF PAVEMENT	
SEMENT	
ICE LINE	
AVEL EDGE	
WER LINE	PWR
ERHEAD WIRE	OHW
AFFIC SIGNAL WIRE	TS
EPHONE LINE	TEL
EVISION LINE	TV
SLINE	GAS
DRM SEWER LINE	STM
NITARY SEWER LINE	SAN
TER LINE	WAT
E	\approx
NTROL MANHOLE	
YWELL	
E DEPARTMENT CONNECTION	FDC
E HYDRANT	Q
TER BLOWOFF/AIR RELEASE	₽ ₩BO
TER METER	107.00
TER VALVE	WAT
CKFLOW PREVENTOR	
TER VAULT	WV
DRM/SANITARY MANHOLE	S D
DRM SEWER CATCH BASIN	
NITARY CLEAN OUT	o ^{sc}
S VALVE	GV X
S METER	GN
N	<u>_</u>
LBOX	MB
JND SURVEY MONUMENT	
Y WIRE ANCHOR	<u> </u>
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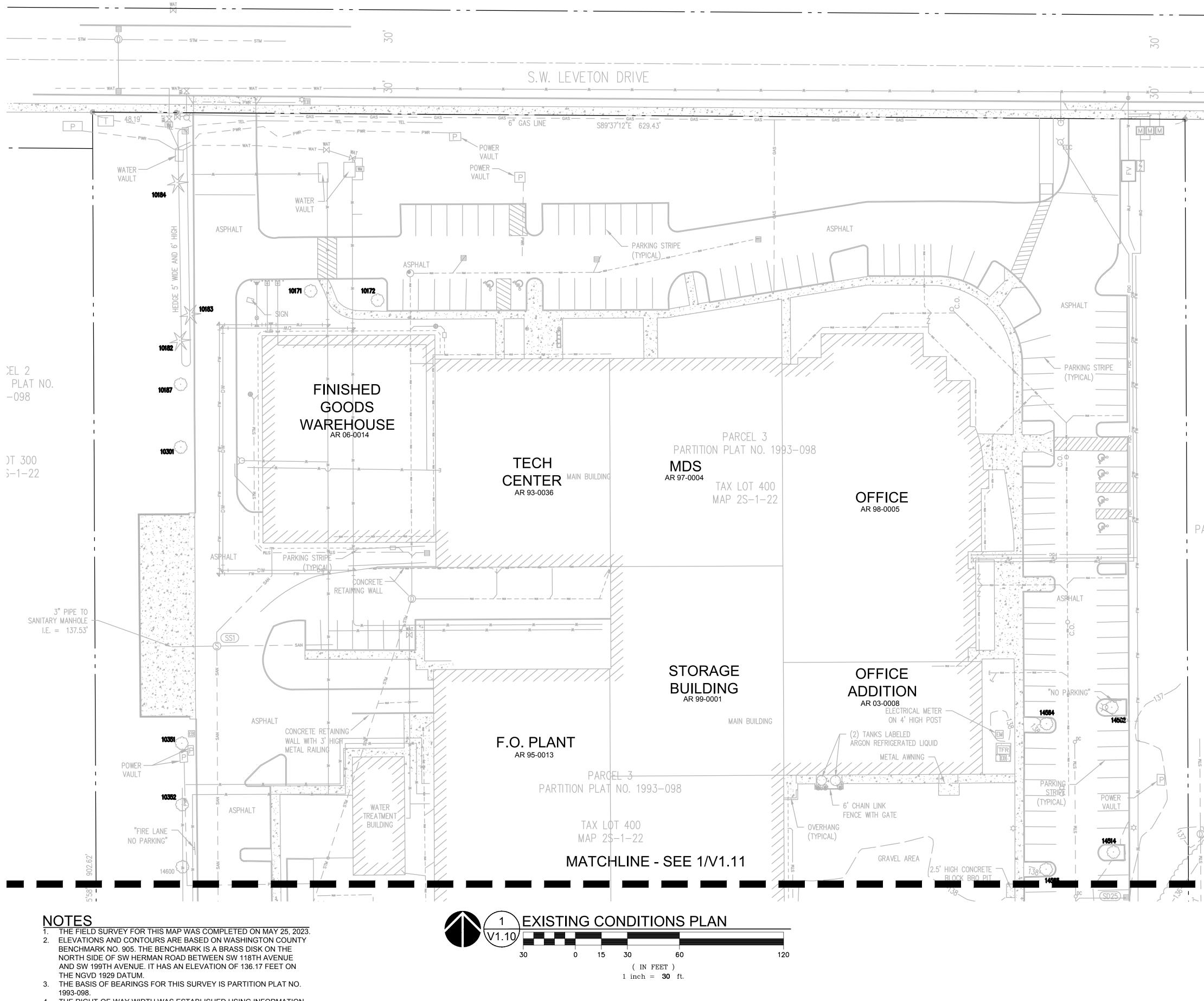
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SHEET TITLE: **CIVIL GENERAL** NOTES, SYMBOLS AND **ABBREVIATIONS**

SHEET:

JOB NO. 2210148.00



4. THE RIGHT-OF-WAY WIDTH WAS ESTABLISHED USING INFORMATION FROM RECORD PLATS, SURVEYS, AND THE TAX ASSESSOR'S MAP. 5. THE NORTHERLY PORTION OF THE SITE WAS MAPPED USING AN ORTHO RECTIFIED AERIAL PHOTOGRAPH. NO ELEVATION

INFORMATION WAS GATHERED IN THIS AREA.

TRACT "E"
ARTITION PLAT NO. 1993–098
TAX LOT 800
MAP 2S-1-22
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36	
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(SD26)	

STORM	SEWER	INFORMATION

(SD1) CATCH BASIN RIM=135.85'

(SD2) PVC OUTLET 8" I.E. = 131.6'

(SD3) PVC OUTLET 8" I.E. = 132.4'

- (SD4) LYNCH STYLE CATCH BASIN RIM = 134.32'trap (e) (SD5) CATCH BASIN
- RIM = 137.54'SEALED WITH MEMBRANE NOT IN USE (SD6) DITCH INLET
- RIM TOP = 132.38'RIM BOTTOM = 131.38'WITH FILTER MEMBRANE (SD7) LYNCH STYLE CATCH BASIN
- RIM = 134.51'TRAP (W)
- (SD8) PVC OUTLET 10" I.E. = 133.0'
- (SD9) LYNCH STYLE CATCH BASIN RIM = 133.32'TRAP (N)
- (SD10) PVC OUTLET 6" I.E. = 131.9'
- (SD11) TRENCH DRAIN RIM WEST = 133.26'RIM EAST = 133.24'
- (SD12) TRENCH DRAIN RIM WEST = 133.20'RIM EAST = 133.27'
- (SD13) LYNCH STYLE CATCH BASIN RIM = 133.10'TRAP (W)
- (SD14) DITCH INLET RIM TOP = 132.60'RIM BOTTOM = 131.216" I.E. OUT (S) = 130.4'
- (SD15) DITCH INLET RIM TOP = 133.91'RIM BOTTOM = 132.58'4" I.E. IN (W) = 130.6' 12" I.E. OUT (S) = 129.6'

TREE INFORMATION

0182	6" CEDAR
	8" CEDAR
	8" CEDAR
0187	SPLIT (2) 4" BIRCH
0300	SPLIT (2) 4" BIRCH SPLIT 4", 5" BIRCH
0301	SPLIT 4", 5" BIRCH
0352	SPLIT (3) 4" BIRCH SPLIT (2) 4", 8" BIRCH SPLIT (3) 4", 6" BIRCH SPLIT (3) 4" BIRCH
0353	SPLIT (3) 4", 6" BIRCH
0354	SILIT $(3) + 0$ BIRCH
0356	SPLIT (3) 4" BIRCH
0357	
0358	SPLIT (Z) + DIRCH
0330	SPLIT (3) 4" BIRCH SPLIT (2) 4" BIRCH
0470	4" BIRCH
0478	8" FIR
0478	
0479	8" FIR 4" FIR 8" FIR
	4 FIK 9" EID
0481	
0482	
	10" FIR
0543	12" COTTONWOOD
	6" COTTONWOOD
	13" FIR
	SPLIT 12", 15" FIR
	18" FIR
3217	20" COTTONWOOD 16" COTTONWOOD
3218	16 COTTONWOOD
3325	20" COTTONWOOD
3326	20" COTTONWOOD
3371	6" CEDAR 6" CEDAR
	- H
3373	6 CEDAR
3374	10" CEDAR
3448	10" COTTONWOOD
3449	7" COTTONWOOD
3473	8" DECIDUOUS
3475	8" DECIDUOUS
3477	7" DECIDUOUS
4166	7" DECIDUOUS
4168	7" DECIDUOUS
4502	3" DECIDUOUS
4514	9" DECIDUOUS
4564	9" DECIDUOUS
4565	6" DECIDUOUS
4600	SPLIT 5", 6", 9" BIRCH

(SD16)	FLOW CONTROL MANHOLE RIM = 136.25' 12" I.E. IN (N) = 129.4' 12" VERTICAL PIPE TOP = 134.0' 10" I.E. FROM VERT. PIPE = 131.6' 12" GATED ORIFICE (S) = $\pm 129.3'$ SUMP = 127.0'
(SD17)	AREA DRAIN RIM = 133.09' TRAP (S)
(SD18)	DITCH INLET RIM TOP = $131.57'$ RIM BOTTOM = $130.18'$ 6" I.E. IN (N) = $129.8'$ 6" I.E. OUT (W) = $129.6'$
(SD19)	LYNCH STYLE CATCH BASIN DOUBLE LID RIM EAST = 132.56' RIM WEST = 132.55' TRAP (W)
(SD20)	DITCH INLET RIM TOP = $131.90'$ RIM BOTTOM = $130.56'$ 6" I.E. IN (N) = $129.6'$ 6" I.E. OUT (S) = $129.6'$ SUMP = $126.3'$
(SD21)	OUTLET 14" I.E. OUT = 130.38'
(SD22)	3.5' X 3.5' OUTLET STRUCTURE BOTTOM RIM = 131.82' I.E. 10" OUT = 134.18' (INFORMATION FROM AR 01-0011) I.E. 10.36" = 131.00' SUMP = 129.50
(SD23)	14" STORM CULVERT I.E. INTO POND = 132.69'
(SD24)	OUTLET 6" I.E. OUT = 130.16'
(SD25)	CATCH BASIN RIM = $136.54'$

RIM = 136.54'CAR PARKED ON TOP (SD26) MANHOLE RIM = 137.46'18" I.E. IN (N) = 124.4' 18" I.E. OUT (S) = 124.3' (CX27) CONTROL MANHOLE (INFORMATION FROM AR 01-0011) RIM BOTTOM = 136.02'3.81" ORIFICE = 131.00' 3.80" ORIFICE = 134.96' 0.524' ORIFICE = 135.50' OVERFLOW = 136.02'

SANITARY SEWER INFORMATION

SUMP = 129.50'

(SS1) MANHOLE RIM = 137.10'3" I.E. IN (W) = 135.6' 8" I.E. IN (E) = 129.7' 8" I.E. OUT (S) = 129.6' (SS2) MANHOLE RIM = 136.19'8" I.E. IN (N) = 127.3' 8" I.E. IN (E) = 127.3' 8" I.E. OUT (S) = 127.2' (SS3) MANHOLE RIM = 137.67'8" I.E. IN (N) = 129.26" I.E. IN (E) = 129.18" I.E. OUT (W) = 129.1' (SS4) MANHOLE RIM = 135.04'8" I.E. IN (N) = 124.5' 8" I.E. IN (E) = 124.4' 10" I.E. OUT (SW) = 124.4' (SS5) MANHOLE RIM = 132.25'10" I.E. IN (N) = 123.6' 12" I.E. IN (W) = 123.5'12" I.E. OUT (S) = 123.3'



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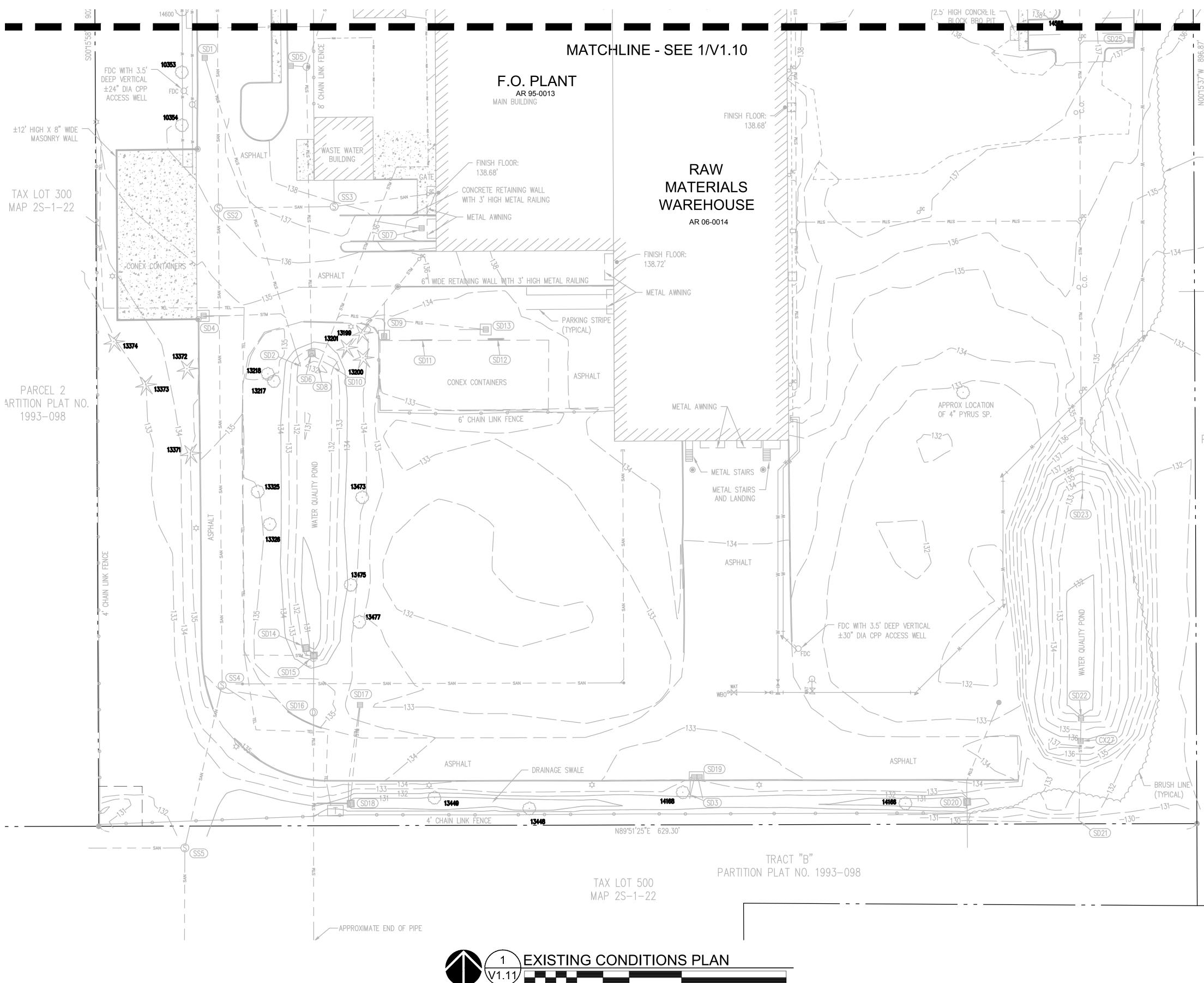
REVISION SCHEDULE			
Delta	Issued As	Issue Date	

SHEET TITLE: EXISTING CONDITIONS PLAN

SHEET:



^{JOB NO.} **2210148.00**



0 15 30 60 (IN FEET) 1 inch = **30** ft.



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SHEET TITLE: EXISTING CONDITIONS PLAN

SHEET:

V1.11

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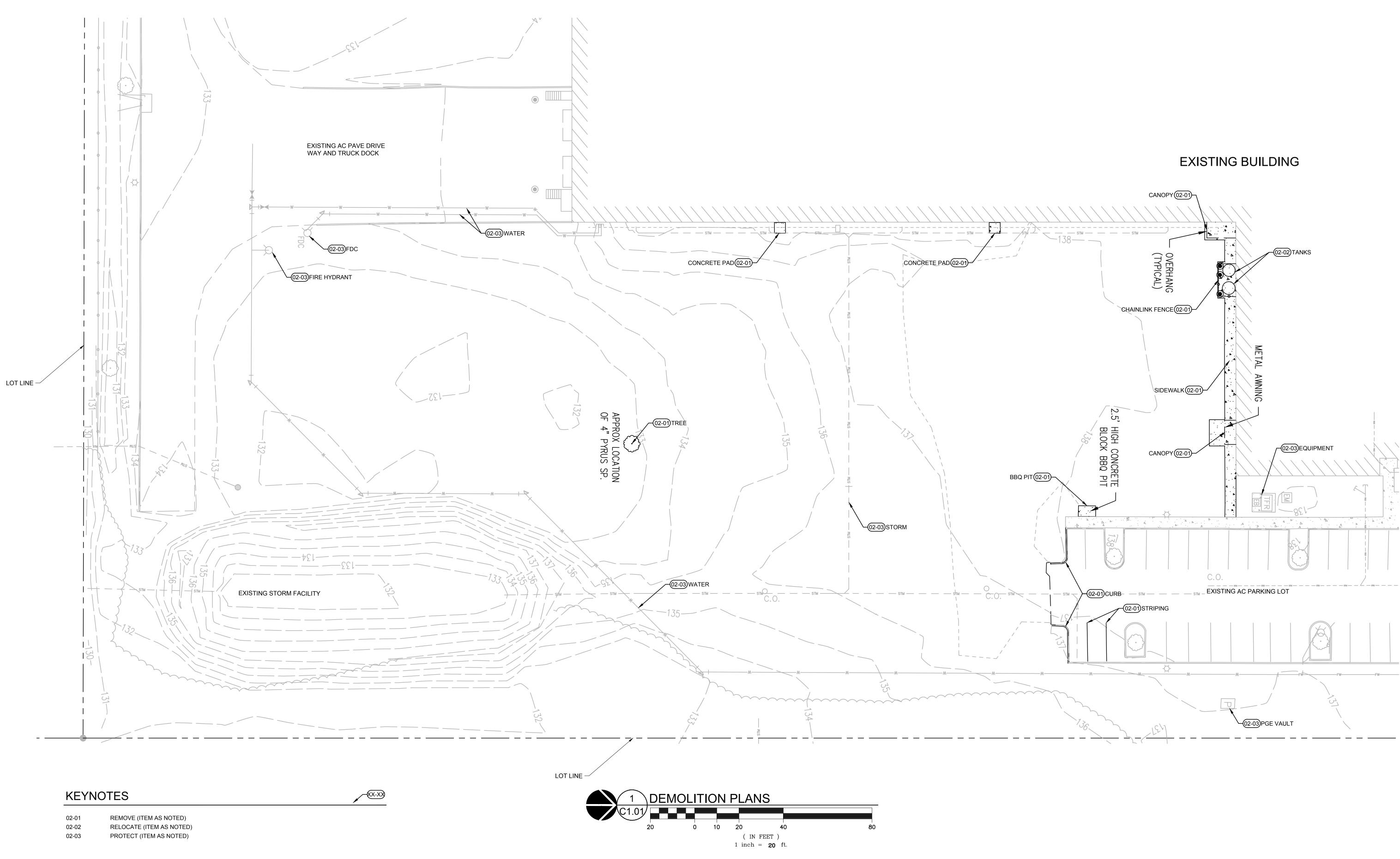
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BRUSH LINE (TYPICAL)

(734) SD24

TRACT "E" PARTITION PLAT NO. 1993–098

TAX LOT 800 MAP 2S-1-22





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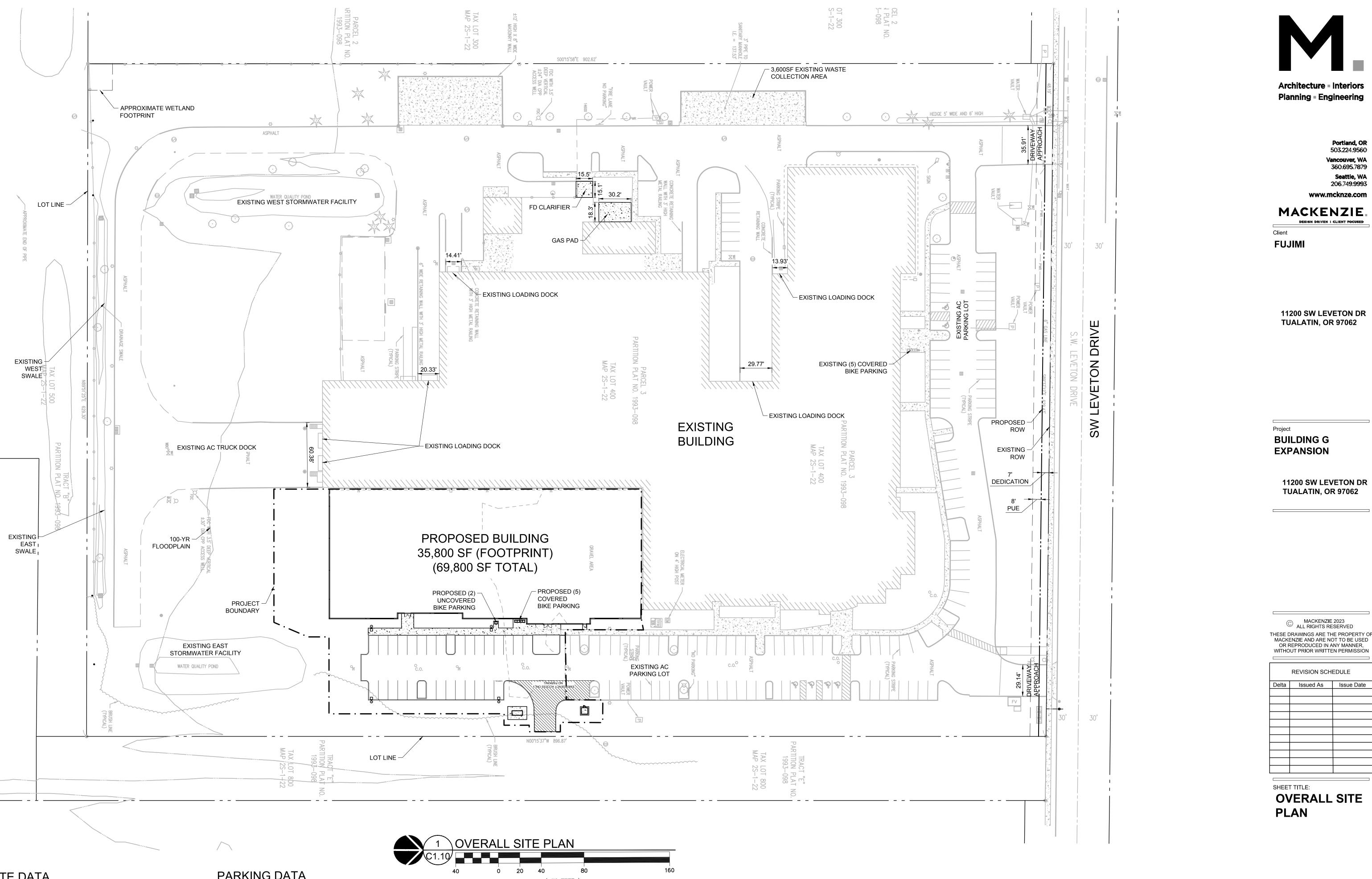
SHEET TITLE: DEMOLITION PLAN

SHEET:

C1.01

JOB NO. **2210148.00**

ARCHITECTURAL REVIEW 09/18/23 148-C1.01.DWG NKB 09/18/23 13:36 1:20



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	AREA (SF)	AREA (AC)	COVERAGE
GROSS PROPERTY AREA	566,249	13.00	
RIGHT-OF-WAY DEDICATION	44,056	1.01	
NET PROPERTY AREA	522,193	11.99	
PROJECT AREA	64,285	1.48	12.3%
IMPERVIOUS AREA			
BUILDING AREA	35,800	0.82	6.9%
PAVED AREA	12,259	0.28	2.3%
TOTAL IMPERVIOUS AREA	48,059	1.10	9.2%
LANDSCAPE AREA	16,226	0.37	25.2%
PARKING AREA PARKING AREA LANDSCAPE	10,792	0.25	
REQUIRED PROVIDED	725 1,300	0.017 0.03	

ARNING DATA		
PARKING TYPE	EXISTING	PROPOSED
STANDARD (9'x18')	120	29
COMPACT	0	0
ACCESSIBLE	6	0
GROSS TOTAL PARKING	126	29
PARKING REMOVED	3	0
NET PARKING	123	29
CAMPUS TOTAL		152
BIKE PARKING COVERED	N/A	5
BIKE PARKING UNCOVERED	N/A	2
CAMPUS TOTAL	N/A	7
BIKE PARKING = 0.1 SPACE/1,000SF BUILDING = 7 NEW BIKE PARKING STALLS		

THE SURVEY INFORMATION SHOWN AS A BACKGROUND SCREEN ON THIS SHEET IS SHOWN FOR REFERENCE ONLY AND IS BASED ON A SURVEY BY: NORTHWEST SURVEYING INC DATE: JUNE 6, 2023



1 inch = 40 ft.

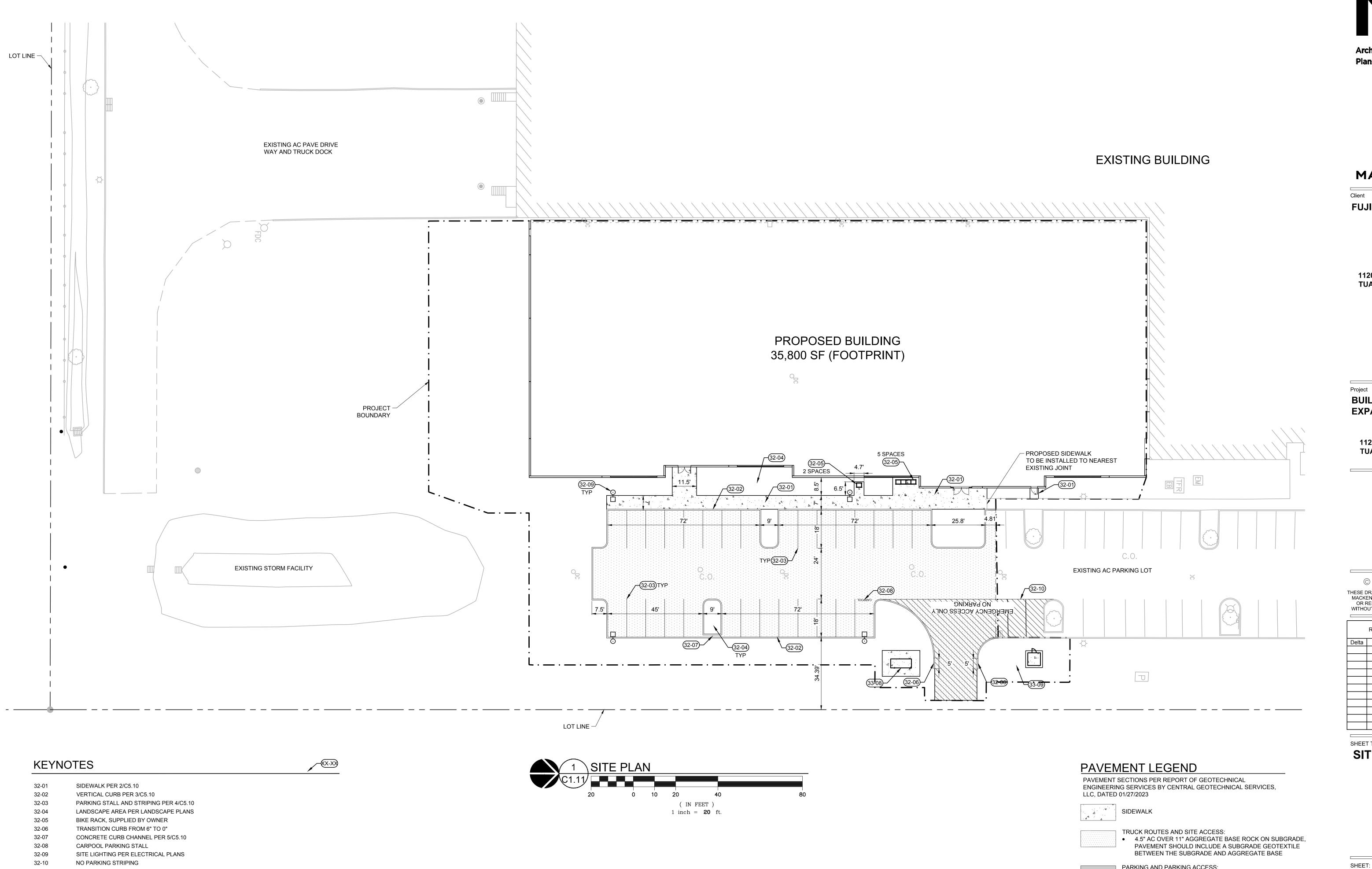
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C1.10

JOB NO. **2210148.00**

[SHEET:



KEYNOTE	ΞS
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32-01	SIDEWALK PER 2/C5.10
32-02	VERTICAL CURB PER 3/C5.10
32-03	PARKING STALL AND STRIPING PER 4/C5.10
32-04	LANDSCAPE AREA PER LANDSCAPE PLANS
32-05	BIKE RACK, SUPPLIED BY OWNER
32-06	TRANSITION CURB FROM 6" TO 0"
32-07	CONCRETE CURB CHANNEL PER 5/C5.10
32-08	CARPOOL PARKING STALL
32-09	SITE LIGHTING PER ELECTRICAL PLANS
32-10	NO PARKING STRIPING
33-08	GENERATOR, SEE ELECTRICAL PLANS
33-09	TRANSFORMER, SEE ELECTRICAL PLANS



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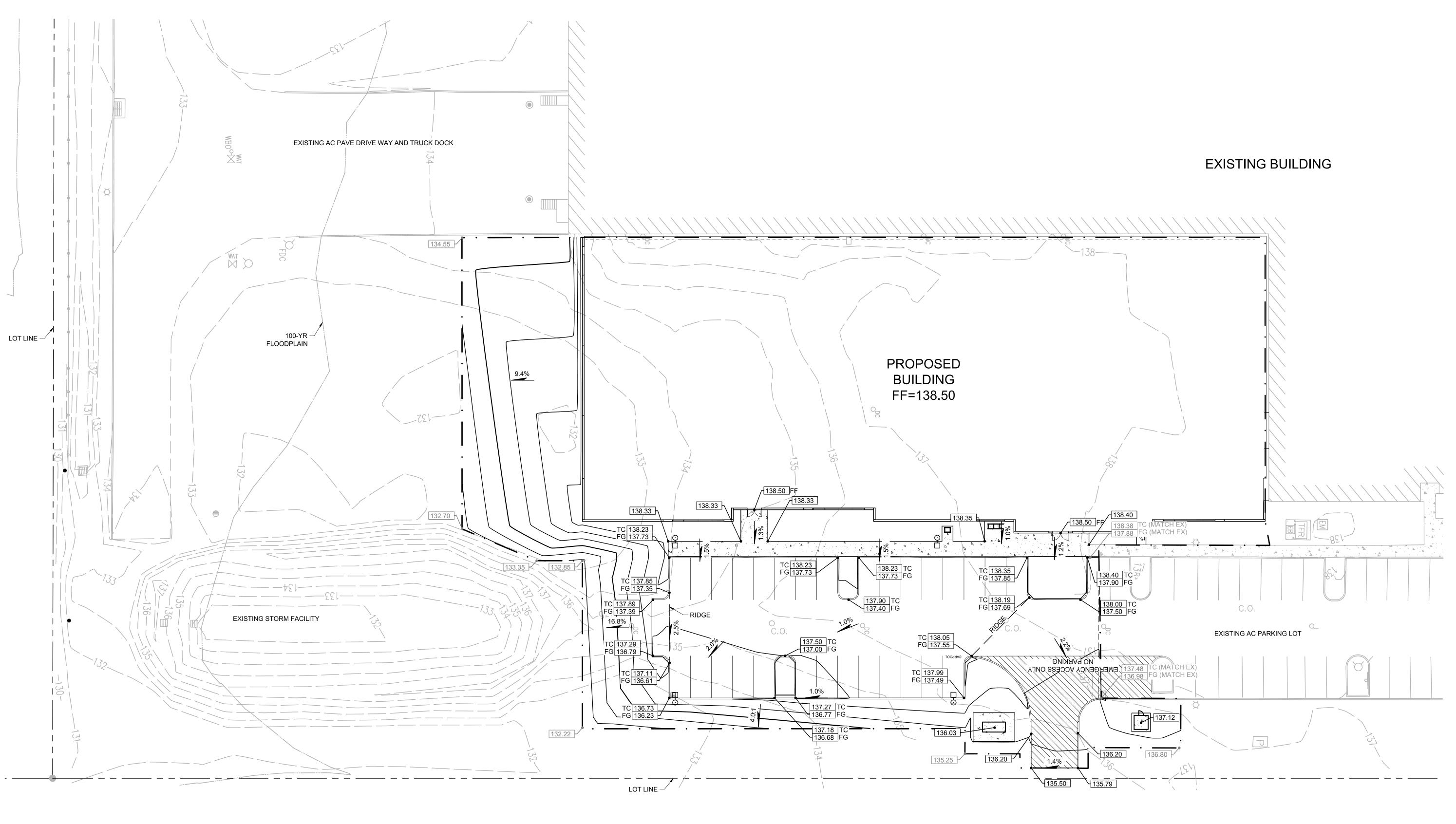


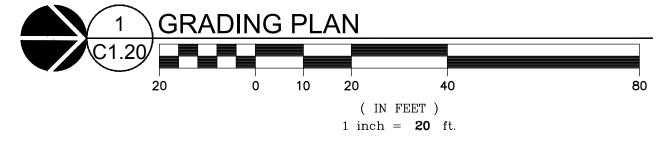
PARKING AND PARKING ACCESS:3.0" AC OVER 11" AGGREGATE BASE ROCK ON SUBGRADE, PAVEMENT SHOULD INCLUDE A SUBGRADE GEOTEXTILE BETWEEN THE SUBGRADE AND AGGREGATE BASE

CONCRETE TRUCK LOADING SECTION: • 6.0" PCC OVER 6.0" AGGREGATE ON SUBGRADE

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C1.11







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SHEET TITLE: GRADING PLAN

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DATUM NOTES

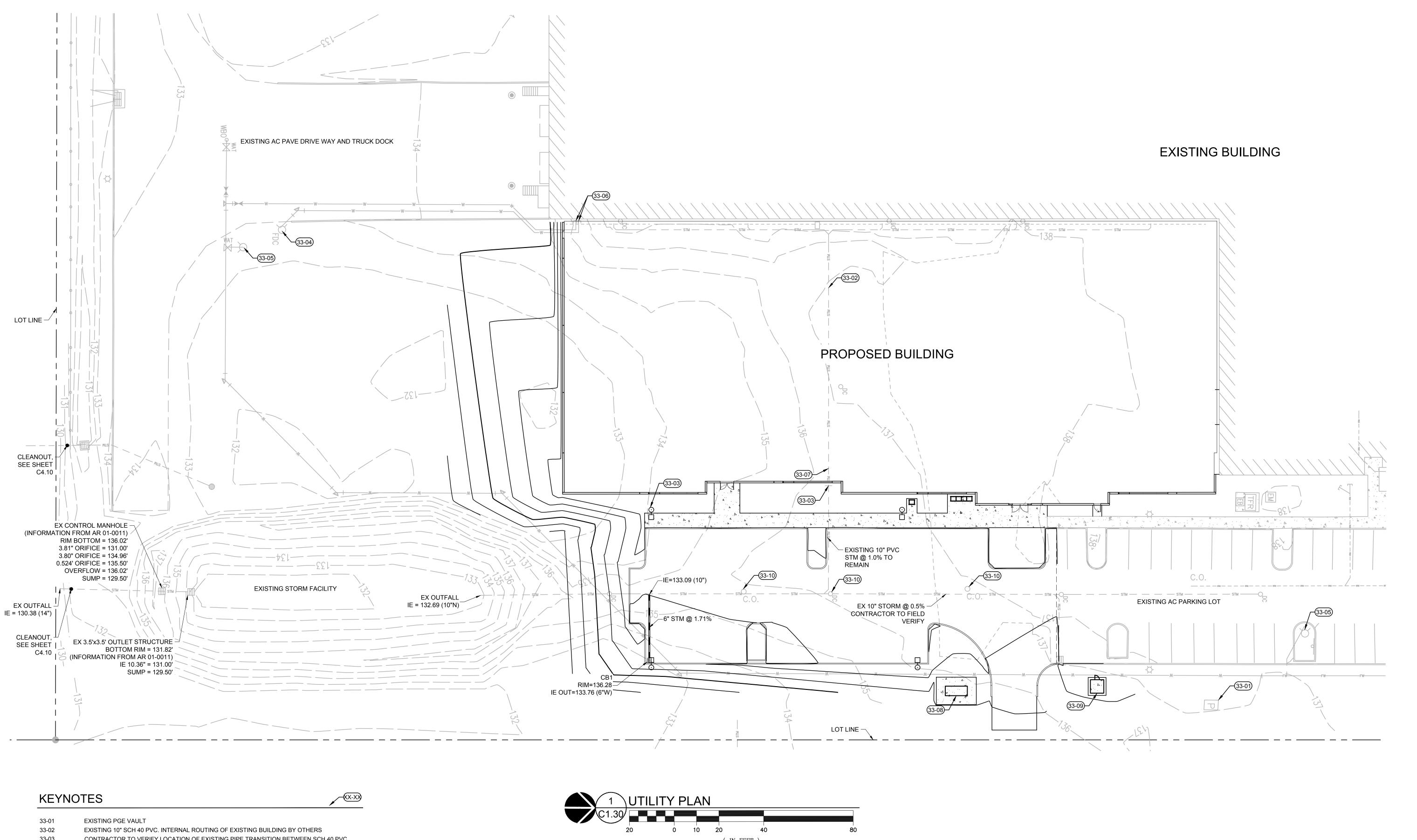
1. BENCHMARK: WASHINGTON COUNTY NO. 905 NGVD 1929 ELEVATION = 136.17 2. FLOOD PLAIN DATUM: NGVD 1929

SHEET:

C1.20

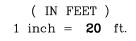
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33-01	EXISTING PGE VAULT
33-02	EXISTING 10" SCH 40 PVC. INTERNAL ROUTING OF EXISTING BUILDING BY OTHERS
33-03	CONTRACTOR TO VERIFY LOCATION OF EXISTING PIPE TRANSITION BETWEEN SCH 40 PVC WITHIN BUILDING FOOTPRINT AND PVC OUTSIDE OF BUILDING FOOTPRINT
33-04	EXISTING FDC
33-05	EXISTING FIRE HYDRANT
33-06	EXISTING FIREWATER SERVICE BUILDING POINT OF CONNECTION
33-07	PROPOSED EXPANSION DOWNSPOUTS TO BE ROUTED INTERNALLY. CONNECTION BY OTHERS INTERNALLY
33-08	GENERATOR, SEE ELECTRICAL PLANS
33-09	TRANSFORMER, SEE ELECTRICAL PLANS
33-10	CONTRACTOR TO PROVIDE TRAFFIC-RATED LID FOR EXISTING CLEANOUT AT NEW FINISHED GRADE





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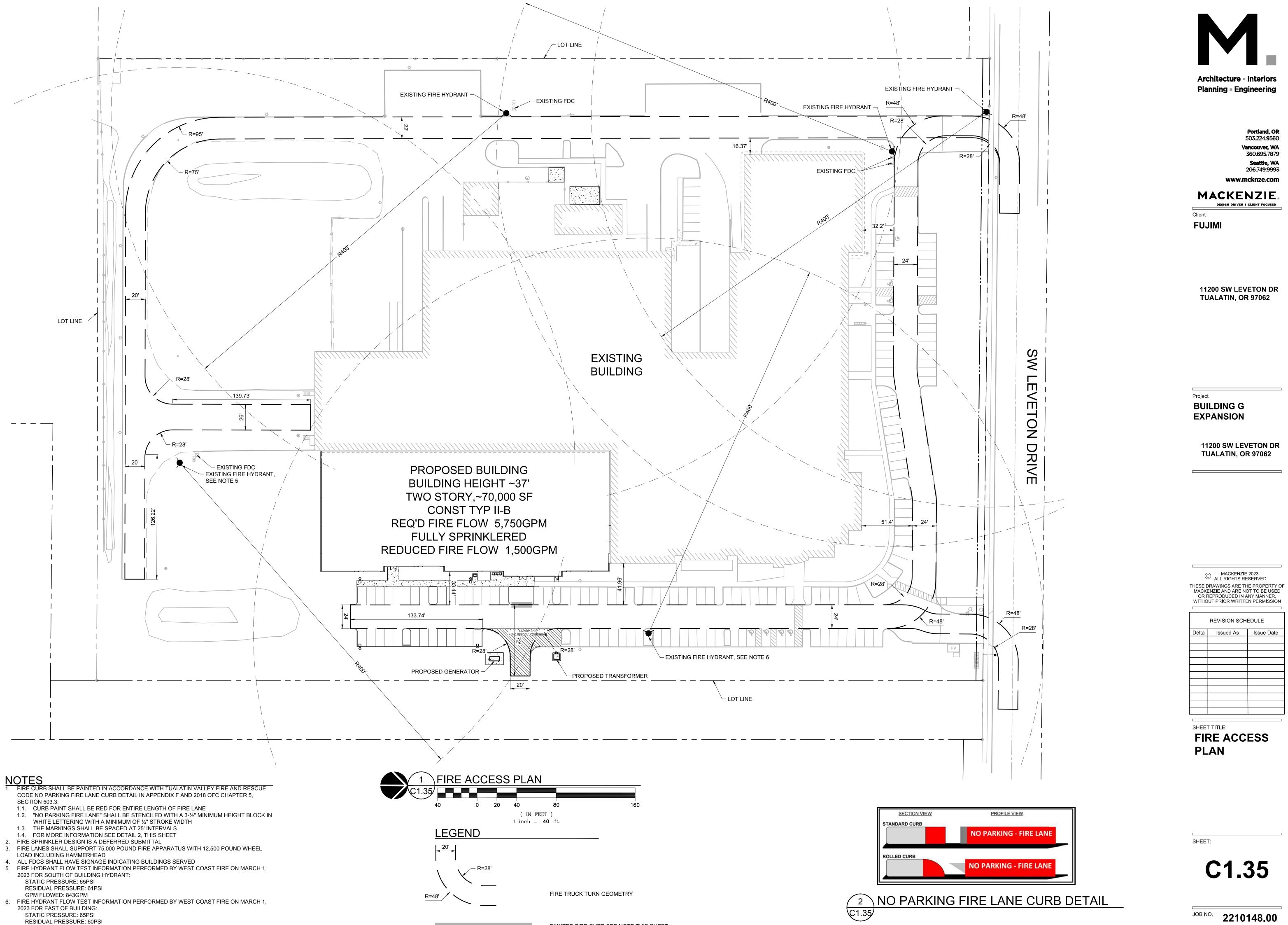
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SHEET TITLE: UTILITY PLAN

SHEET:

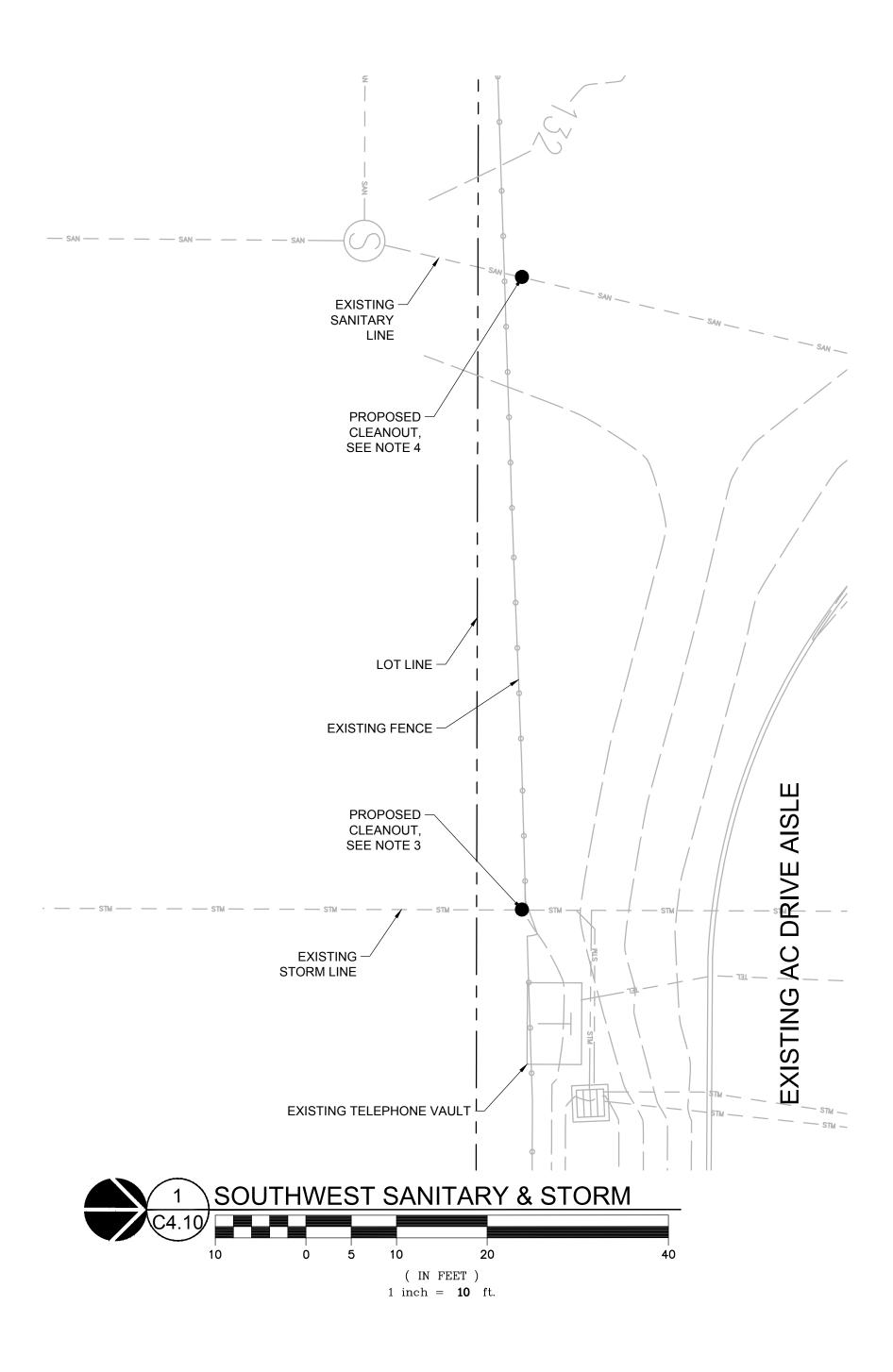
C1.30

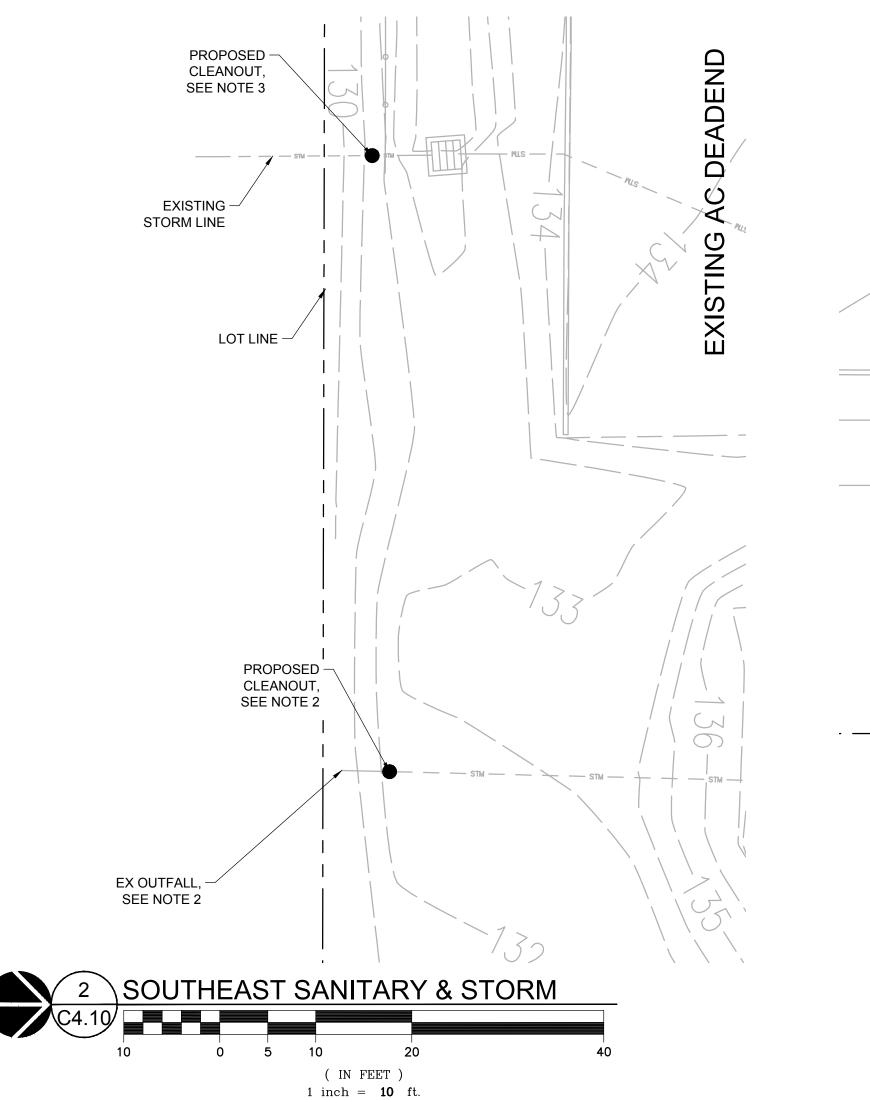


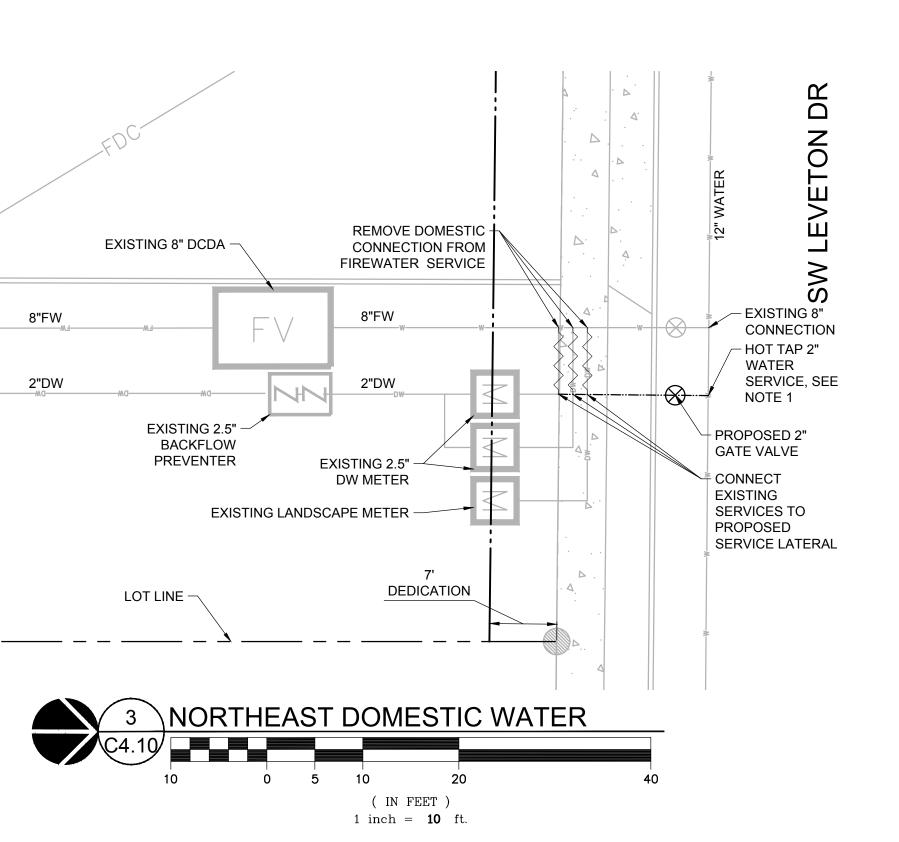
- CODE NO PARKING FIRE LANE CURB DETAIL IN APPENDIX F AND 2018 OFC CHAPTER 5, SECTION 503.3:

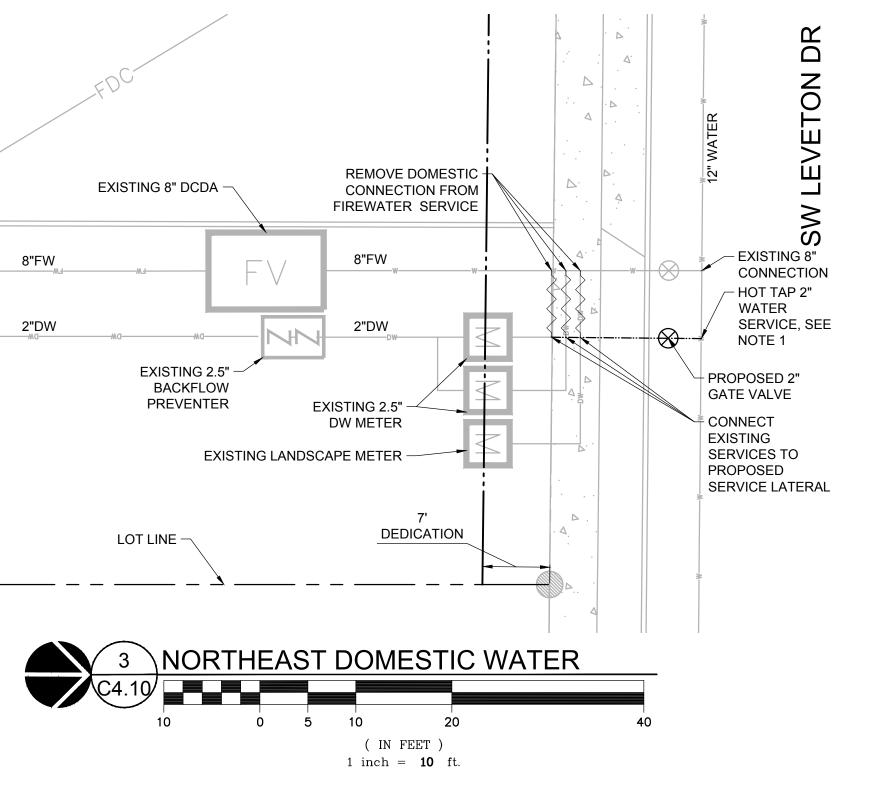
- 3. FIRE LANES SHALL SUPPORT 75,000 POUND FIRE APPARATUS WITH 12,500 POUND WHEEL
- LOAD INCLUDING HAMMERHEAD
- 5. FIRE HYDRANT FLOW TEST INFORMATION PERFORMED BY WEST COAST FIRE ON MARCH 1, 2023 FOR SOUTH OF BUILDING HYDRANT:
- 6. FIRE HYDRANT FLOW TEST INFORMATION PERFORMED BY WEST COAST FIRE ON MARCH 1, 2023 FOR EAST OF BUILDING:

 - RESIDUAL PRESSURE: 60PSI
 - GPM FLOWED: 809GPM









NOTES

- CONTRACTOR TO FIELD VERIFY THE WATER SERVICE LATERAL 1. CONNECTION LAYOUT AND APPURTENANCES. COMMUNICATE FINDINGS WITH ENGINEER AS SOON AS POSSIBLE. IF DOMESTIC WATER HAS A DEDICATED SERVICE TAP TO THE MAIN PUBLIC LINE, NO ADDITIONAL WORK IS NECESSARY.
- 2. CONTRACTOR TO FIELD VERIFY THE STORMWATER OUTFALL AND DETERMINE IF OUTFALL IS ON PROJECT PARCEL OR ADJACENT PARCEL. IF OUTFALL CROSSES PROPERTY LINES, A CLEANOUT ON THE PROJECT PARCEL IS NECESSARY AS SHOWN.
- 3. CONTRACTOR TO FIELD VERIFY THE STORMWATER PIPE AND DETERMINE IF A CLEANOUT EXISTS. COMMUNICATE FINDINGS WITH ENGINEER AS SOON AS POSSIBLE. IF STORMWATER HAS A CLEANOUT, NO ADDITIONAL WORK IS NECESSARY.
- 4. CONTRACTOR TO FIELD VERIFY THE SANITARY SEWER PIPE AND DETERMINE IF A CLEANOUT EXISTS. COMMUNICATE FINDINGS WITH ENGINEER AS SOON AS POSSIBLE. IF SANITARY SEWER HAS A CLEANOUT, NO ADDITIONAL WORK IS NECESSARY.



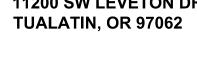
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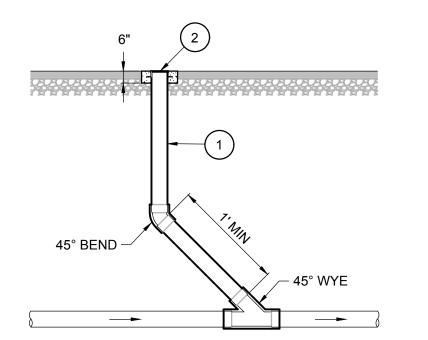
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UTILITY PLAN



SHEET:

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1. CLEANOUT PIPING AND FITTINGS TO BE OF THE SAME SIZE (8" MAX) AND MATERIAL AS

2. CLEANOUT LID & FRAME: HEAVY DUTY CAST IRON ACCESS BOX, SCORIATED CAST IRON COVER, THREADED BRONZE PLUGS, MOUNTED IN 4,000 PSI CONCRETE COLLAR.

NOTES: A. CONCRETE COLLAR MAY BE OMITTED IN LANDSCAPE AREAS. USE PLASTIC PIPE CAP

KEYNOTES:

C5.10

C5.10

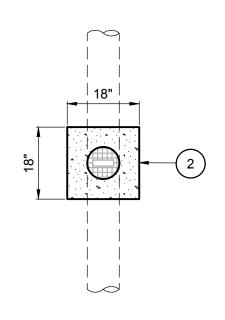
THE PIPING IT IS SERVING

CLEANOUT

AND SET 3 INCHES ABOVE GRADE

SEE PLANS FOR

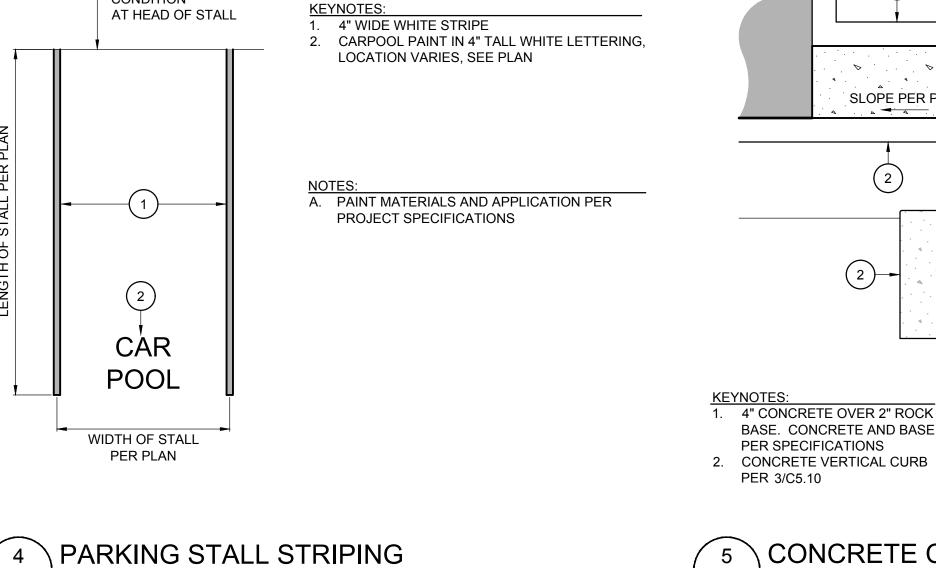
- CONDITION



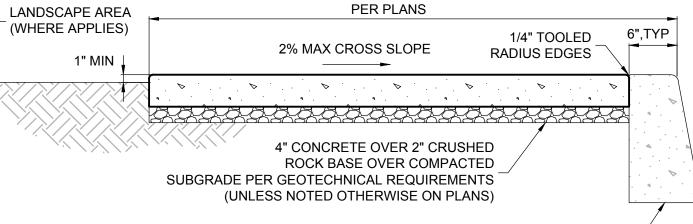
NOTES: B PLANS

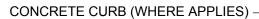
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NTS



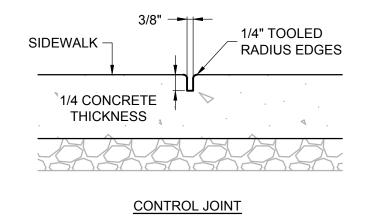
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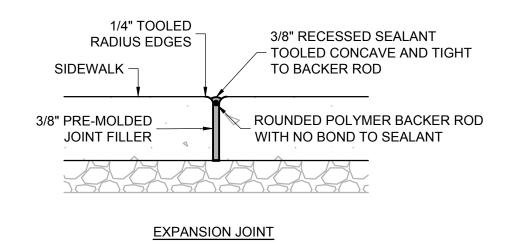




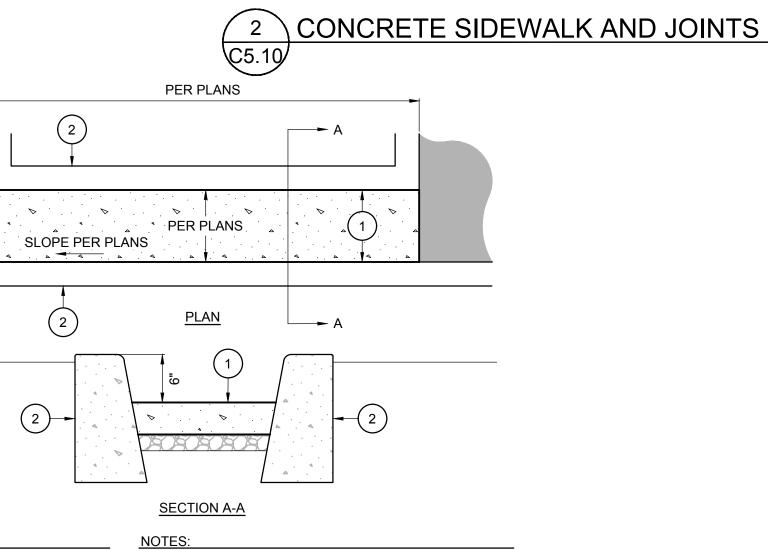
A. CONCRETE SIDEWALK SHALL BE BROOM FINISHED UNLESS OTHERWISE NOTED ON PLANS SEE PROJECT SPECIFICATIONS FOR CONCRETE, AGGREGATE BASE, AND JOINT MATERIALS C. WHERE SIDEWALK ABUTS CURBING, SURFACE SHALL BE FLUSH WITH TOP OF CURB UNLESS NOTED OTHERWISE ON PLANS. WHERE SIDEWALK ABUTS LANDSCAPE OR OTHER PERVIOUS AREA, GRADE SHALL BE RECESSED 1" MINIMUM OR AS OTHERWISE DICTATED BY THE LANDSCAPE ARCHITECT OR NOTED ON PROJECT

D. DO NOT USE SHINERS ON TOOLED EDGES UNLESS NOTED OTHERWISE E. CONTROL JOINTS SHALL BE EVENLY SPACED AND LOCATED EVERY 5' MAXIMUM, WITH EXPANSION JOINTS EVERY FOURTH JOINT, OR PER PLAN. SIDEWALK JOINTS SHALL BE ALIGNED WITH CURB JOINTS OR WHERE PERPENDICULAR CURBING INTERSECTS.





NTS



A. CHANNEL SLOPE TO MATCH SLOPE OF ADJACENT 1. 4" CONCRETE OVER 2" ROCK BASE. CONCRETE AND BASE PER SPECIFICATIONS

- PAVEMENT B. WHERE CHANNEL IS IN-LINE WITH CURB AND
- GUTTER, CONTINUE CROSS SECTION OF CURB AND
- GUTTER THROUGH LENGTH OF CHANNEL C. SECTION MAY BE CONSTRUCTED MONOLITHICALLY

CONCRETE CURB CHANNEL

NTS



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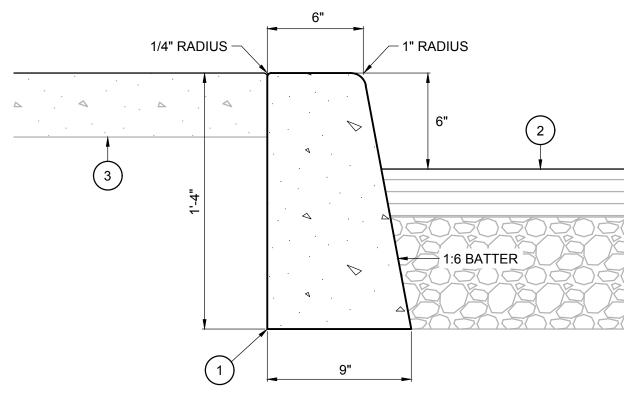
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KEYNOTES:

- 1. CONCRETE FOR CURBING PER PROJECT SPECIFICATIONS
- 2. PAVEMENT SECTION PER CIVIL PLANS 3. SEE PLANS FOR IMPROVEMENTS AT BACK OF CURB. WHERE SIDEWALK OCCURS, THE SIDEWALK AND TOP OF CURB SHALL BE FLUSH. WHERE ABUTTING A PLANTER AREA, THE FINAL GRADE SHALL BE 1" MINIMUM BELOW TOP OF CURB, OR AS DIRECTED BY THE LANDSCAPE ARCHITECT



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SHEET TITLE: **CIVIL DETAILS**

SHEET:

C5.10



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SHEET INDEX

L0.01 LANDSCAPE GENERAL INFORMATION L1.10 LANDSCAPE PLAN

LANDSCAPE NOTES

GENERAL

- 1. CONTRACTOR SHALL CONFIRM ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
- CALL BEFORE YOU DIG. CONTRACTOR SHALL VERIFY INVERT ELEVATIONS OF ALL UNDERGROUND UTILITIES AND NOTIFY LANDSCAPE ARCHITECT IF THERE ARE ANY DISCREPANCIES WITH PLANTING ROOT ZONES. TO REQUEST LOCATES FOR PROPOSED EXCAVATION CALL 1-800-332-2344 (OR 811) IN OREGON.
- NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES 3. OR CONFLICTS WITH EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF ANY WORK
- LOCATION OF EXISTING TREES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORK.
- DAMAGE TO EXISTING CONCRETE CURB, ASPHALT PAVING, OR OTHER 5 STRUCTURE SHALL BE REPAIRED OR REPLACED TO PRE CONSTRUCTION CONDITIONS.
- CONTRACTOR SHALL COORDINATE WITH THE OWNER ANY DISRUPTION TO VEHICULAR CIRCULATION PRIOR TO COMMENCEMENT OF ANY WORK.

PLANTING

- 1. ALL EXISTING TREES, PLANTS, AND ROOTS SHALL BE PROTECTED FROM DAMAGE FROM ANY CONSTRUCTION PREPARATION, REMOVAL OR INSTALLATION ACTIVITIES WITHIN AND ADJACENT TO PROJECT LIMITS.
- SHRUBS ADJACENT TO PARKING AREAS SHALL BE PLANTED 2 FT MINIMUM 2. AWAY FROM THE BACK OF CURB. SHRUBS AND GROUNDCOVER ALONG OTHER PAVEMENT EDGES SHALL BE PLANTED A MINIMUM OF ONE HALF THEIR ON CENTER SPACING AWAY FROM PAVEMENT EDGE.
- ALL PLANT MATERIAL SHALL BE HEALTHY NURSERY STOCK, WELL BRANCHED AND ROOTED, FULL FOLIAGE, FREE FROM INSECTS, DISEASES, WEEDS, WEED ROT, INJURIES AND DEFECTS WITH NO LESS THAN MINIMUMS SPECIFIED IN AMERICAN STANDARDS FOR NURSERY STOCK, ANSI Z60.1-2004.
- TREES IN THE RIGHT OF WAY SHALL BE TALL ENOUGH TO BE LIMBED UP TO AT 4 LEAST 8 FT ABOVE DRIVE SURFACE GRADE WHILE MAINTAINING ENOUGH BRANCHES TO SUPPORT HEALTHY GROWTH.
- DO NOT PLANT TREES ABOVE WATERLINES, UTILITIES, OR OTHER UNDERGROUND PIPING.
- 6. IF DISTURBANCE IS NECESSARY AROUND EXISTING TREES, CONTRACTOR SHALL PROTECT THE CROWN AND ALL WORK WITHIN THE TREE DRIPZONE SHALL BE LIMITED TO THE USE OF HAND TOOLS AND MANUAL EQUIPMENT ONLY.
- REPLACE, REPAIR AND RESTORE DISTURBED LANDSCAPE AREAS DUE TO GRADING, TRENCHING OR OTHER REASONS TO PRE-CONSTRUCTION CONDITION AND PROVIDE MATERIAL APPROVED BY THE OWNER AND OWNER'S REPRESENTATIVE.
- 8. EXISTING AREAS PROPOSED FOR NEW PLANT MATERIAL SHALL BE CLEARED AND LEGALLY DISPOSED UNLESS SO NOTED.
- 9. A SOILS ANALYSIS, BY AN INDEPENDENT SOILS TESTING LABORATORY RECOGNIZED BY THE STATE DEPARTMENT OF AGRICULTURE, SHALL BE USED TO RECOMMEND AN APPROPRIATE PLANTING SOIL AND/OR SPECIFIED SOIL AMENDMENTS.
- 10. TOPSOIL SHALL BE AMENDED AS RECOMMENDED BY AN INDEPENDENT SOILS TESTING LABORATORY AND AS OUTLINED IN THE SPECIFICATION.
- 11. ALL LANDSCAPED AREAS SHALL BE COVERED BY A LAYER OF ORGANIC MULCH TO A MINIMUM DEPTH OF 2-INCHES.

IRRIGATION - EXISTING SYSTEM

- 1 IRRIGATION SYSTEM EXISTS ON SITE. CONTRACTOR SHALL DIG WITH CARE AND REPAIR OR REPLACE ANY DAMAGE TO PRE CONSTRUCTION CONDITIONS USING MATERIALS MATCHING EXISTING SYSTEM.
- 2. ALL RENOVATED PLANTING AREAS TO RECEIVE FULL IRRIGATION COVERAGE ON A DEDICATED ZONE.
- ASSESS EXISTING IRRIGATION SYSTEM FOR FUNCTIONALITY AND ABILITY TO ACCOMMODATE ANY RENOVATED LANDSCAPE AREAS.
- VALVES SHALL BE WIRED AND INSTALLED PER MANUFACTURER'S 4 RECOMMENDED INSTALLATION PROCEDURES AND CONNECTED TO THE IRRIGATION CONTROLLER.
- PROVIDE SLEEVING AT ALL AREAS WHERE PIPE TRAVELS UNDER CONCRETE OR HARD SURFACING.
- IRRIGATION SYSTEM AS DESIGNED AND INSTALLED SHALL PERFORM WITHIN THE TOLERANCES AND SPECIFICATIONS OF THE SPECIFIED MANUFACTURERS.
- ALL IRRIGATION PIPE MATERIAL AND INSTALLATION SHALL CONFORM TO 7 APPLICABLE CODE FOR PIPING AND COMPONENT REQUIREMENTS.
- SYSTEM SHALL SUPPLY MANUFACTURER'S SPECIFIED MINIMUM OPERATING 8. PRESSURE TO FARTHEST EMITTER FROM WATER METER.
- 9. ZONE TREES SEPARATELY.
- 10. MINIMIZE IMPACTS TO EXISTING TREES TO THE GREATEST EXTENT POSSIBLE. TRENCH UNDER ROOTS GREATER THAN 2-INCHES IN DIAMETER. ARBORIST SHALL BE PRESENT FOR ANY TRENCHING WITHIN THE CRITICAL ROOT ZONE OF EXISTING TREES.
- 11. PROVIDE SHOP DRAWINGS FOR REVIEW PRIOR TO PURCHASE OR INSTALLATION OF SYSTEM. DRAWINGS TO INDICATE HEAD TYPE, GALLONS PER MINUTE, LATERAL LINES, AND BE AT MINIMUM SCALE OF 1"=20'.

WATER QUALITY PLANTING NOTES

- ALL PLUGS AND SHRUBS TO BE A MINIMUM OF 6 INCHES ABOVE TOP OF STANDING WATER AT INSTALLATION, TYP.
- EROSION CONTROL: GRADING, SOIL PREPARATION, AND SEEDING SHALL BE PERFORMED DURING OPTIMAL WEATHER CONDITIONS AND AT LOW FLOW LEVELS TO MINIMIZE SEDIMENT IMPACTS. WHERE SEEDING IS USED FOR EROSION CONTROL, REGREEN, STERILE WHEAT, OR BIODEGRADABLE FABRICS SHALL BE USED TO STABILIZE SLOPES UNTIL PERMANENT VEGETATION IS ESTABLISHED.
- 3. QUANTITIES FOR REFERENCE ONLY.
- 4. UPLAND PLANTING AREAS SHALL BE MULCHED WITH 3" DEPTH MINIMUM WELL-COMPOSTED BARK OR LEAF MATTER.
- DO NOT APPLY FERTILIZER TO STORMWATER FACILITY PLANTING AREAS.
- TOPSOIL AT STORMWATER FACILITIES MAY BE SOURCED FROM STOCKPILED SOIL ON SITE, TOPSOIL SHALL CONFORM TO THE CLEAN WATER SERVICES DESIGN AND CONSTRUCTION STANDARDS AND, IF IMPORTED, BE FROM AN APPROVED SOURCE. GROWING MEDIUM FOR STORMWATER FACILITIES SHALL BE A SANDY LOAM SOIL ACCORDING TO USDA SOIL TEXTURE TRIANGLE. TOPSOIL TO BE LOOSE, FRIABLE, WELL BLENDED AND FREE OF DEBRIS, WOOD, WEEDS OR OTHER FOREIGN MATTER.
- TOPSOIL TO BE TESTED BY AN INDEPENDENT LABORATORY, RECOGNIZED BY THE STATE DEPARTMENT OF AGRICULTURE, WITH THE CAPABILITY TO CONDUCT THE TESTING INDICATED. FOLLOW TEXTURAL AND PH RECOMMENDATIONS FROM SOIL TEST
- COMPOST SHALL BE WELL-COMPOSTED, STABLE AND WEED FREE ORGANIC MATTER. MOISTURE CONTENT TO BE 35-55% BY WEIGHT, 100% PASSING THROUGH 1/2 SIEVE, HAVE A SOLUBLE SALT CONTENT OF 5-10 DS/M NOT EXCEEDING .5% INERT CONTAMINANTS AND FREE OF SUBSTANCES TOXIC TO PLANTS.
- AMENDED TOPSOIL AT STORMWATER FACILIITIES SHALL HAVE A PH OF 5 TO 8, PASS THROUGH A ONE INCH SCREEN AND CONSIST OF 35% ORGANIC MATTER. PLACE 12" DEPTH MINIMUM OF COMPOST-AMENDED TOPSOIL.
- 10. DO NOT PLANT IN WEATHER ABOVE 90DEG. OR BELOW 32DEG. 11. PROTECT STORED ON-SITE PLANT MATERIAL FROM EXTREME HEAT, CHILL OR
- WIND. 12. REPLACE, REPAIR AND RESTORE DISTURBED LANDSCAPE AREAS DUE TO
- GRADING, TRENCHING OR OTHER REASONS TO PRE CONSTRUCTION CONDITION AND PROVIDE MATERIAL APPROVED BY THE OWNER OR OWNER'S REPRESENTATIVE.
- 13. ALL PLANT MATERIAL SHALL BE HEALTHY NURSERY STOCK, WELL BRANCHED AND ROOTED, FULL FOLIAGE, FREE FROM INSECTS, DISEASES, WEEDS, WEED ROT, INJURIES AND DEFECTS WITH NO LESS THAN MINIMUMS SPECIFIED IN AMERICAN STANDARDS FOR NURSERY STOCK, ANSI Z60.1-2004.
- 14. ALL PLANT MATERIAL TO HAVE A MINIMUM HEIGHT OF 6" ABOVE ANY STANDING WATER AT THE TIME OF INSTALLATION.
- 15. PROVIDE LANDSCAPE ARCHITECT WITH PLANT MATERIAL ORDER FORM WITHIN 30 DAYS OF CONTRACT AWARD.
- 16. ALL PLANT MATERIAL TO HAVE IDENTIFICATION TAGS TO REMAIN ON PLANT AFTER PLANTING.
- 17. REMOVE POTS, TWINE AND BURLAP FROM ALL PLANT MATERIAL PRIOR TO PLANTING.
- 18. SCARIFY ALL ROOTBALLS AND LOOSEN ROOTS PRIOR TO PLANTING.
- 19. AT CLOSE OF PROJECT, REMOVE ALL EXTRA MATERIALS, SUPPLIES AND EQUIPMENT FROM SITE.

WATER QUALITY IRRIGATION NOTES

- PROVIDE IRRIGATION AT A MINIMUM RATE OF ONE INCH PER WEEK FROM JUNE 15 TO OCTOBER 15 OR LONGER IF NEEDED. IRRIGATE PLANT MATERIAL A MINIMUM OF THREE TIMES PER WEEK.
- PLANT MATERIAL TO BE IRRIGATED FOR A MINIMUM PERIOD OF TWO YEARS FROM DATE OF SUBSTANTIAL COMPLETION.
- PROVIDE DESIGN/BUILD TEMPORARY IRRIGATION DESIGN PRIOR TO COMMENCING WORK. AT A MINIMUM, PLAN TO IDENTIFY WATER SOURCE, BACKFLOW PREVENTER, HEAD TYPE AND LAYOUT OF PIPE.
- IRRIGATION SHALL BE INSTALLED SIMULTANEOUSLY WITH PLANTING TO ENSURE PLANTS RECEIVE ADEQUATE WATER AT TIME OF INSTALLATION.

WATER QUALITY PROTECTION NOTES

- NO STRUCTURES, DEVELOPMENT, CONSTRUCTION ACTIVITIES, GARDENS, LAWNS, APPLICATION OF CHEMICALS, UNCONTAINED AREAS OF HAZARDOUS MATERIALS AS DEFINED BY DEQ. PET WASTES, DUMPING OF MATERIALS OF ANY KIND, OR OTHER ACTIVITIES SHALL BE PERMITTED WITHIN THE SENSITIVE AREA OR VEGETATED CORRIDOR WHICH MAY NEGATIVELY IMPACT WATER QUALITY, EXCEPT THOSE ALLOWED IN R&O 07-20, CHAPTER THREE.
- 2. IF APPLICABLE, PRIOR TO ANY SITE CLEARING, GRADING OR CONSTRUCTION, THE VEGETATED CORRIDOR AND WATER QUALITY SENSITIVE AREAS SHALL BE SURVEYED, STAKED AND TEMPORARILY FENCED PER APPROVED PLAN. DURING CONSTRUCTION THE VEGETATED CORRIDOR SHALL REMAIN FENCED AND UNDISTURBED EXCEPT AS ALLOWED BY R&O 07-20 SECTION 3.06.1 AND PER APPROVED PLANS.
- IF THERE IS ANY ACTIVITY WITHIN THE SENSITIVE AREA, THE APPLICANT SHALL GAIN AUTHORIZATION FOR THE PROJECT FROM THE OREGON DEPARTMENT OF STATE LANDS AND THE UNITED STATES ARMY CORPS OF ENGINEERS. THE APPLICATION SHALL PROVIDE THE CITY OF HILLSBORO WITH COPIES OF ALL DSL AND USACE PROJECT AUTHORIZATION PERMITS.
- APPROPRIATE BMP'S FOR EROSION CONTROL, IN ACCORDANCE WITH CWS' EROSION PREVENTION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL SHALL BE USED PRIOR TO, DURING, AND FOLLOWING EARTH DISTURBING ACTIVITIES.
- REMOVAL OF NATIVE, WOODY VEGETATION SHALL BE MINIMIZED TO THE GREATEST EXTENT PRACTICABLE.

WATER QUALITY MAINTENANCE NOTES

THE PERMITEE IS RESPONSIBLE FOR PROVIDING ROUTINE MAINTENANCE TO STORMWATER FACILITIES AND VEGETATED CORRIDOR PLANTING AREAS TO ASSESS PLANT ESTABLISHMENT AND IRRIGATION FUNCTIONALITY. ROUTINE MAINTENANCE AT A MINIMUM INCLUDES THREE VISITS PER GROWING SEASON AND ONE VISIT PRIOR TO GROWING SEASON. MAINTENANCE SHALL INCLUDE THE REMOVAL OF NON-NATIVE, INVASIVE WEEDS THROUGHOUT THE MAINTENANCE PERIOD UNTIL A HEALTHY STAND OF VEGETATION IS ACHIEVED.

MAINTENANCE PERIOD BEGINS AFTER APPROVAL / SIGN OFF OF FINAL INSPECTION OF INSTALLED VEGETATION.

MAINTENANCE OF STORMWATER FACILITIES TO BE FOR A PERIOD OF TWO YEARS.

PLANTS FAILING TO MEET ACCEPTANCE CRITERIA SHALL BE REPLACED DURING THE MAINTENANCE PERIOD. PRIOR TO REPLACEMENT. THE CAUSE OF THE LOSS SHALL BE DOCUMENTED AND CORRECTED.

THE CITY OF HILLSBORO SHALL INSPECT THE CONDITION OF THE WATER QUALITY/QUANTITY FACILITY AND THE VEGETATED CORRIDOR LANDSCAPING PERIODICALLY THROUGHOUT THE REQUIRED MAINTENANCE PERIOD. THE CITY OF HILLSBORO OF CITY SHALL PROVIDE AN INTERIM INSPECTION REPORT TO THE OWNER WITH A SPECIFIC SUMMARY OF ANY DEFICIENCIES. FAILURE OF THE THE CITY OF HILLSBORO OR CITY TO PROVIDE THE INTERIM REPORT SHALL NOT RELEASE THE OWNER FROM THEIR RESPONSIBILITY TO PROVIDE ESTABLISHED LANDSCAPING AT THE END TO THE REQUIRED LANDSCAPING MAINTENANCE PERIOD.

IF AT ANY TIME DURING THE WARRANTY PERIOD THE LANDSCAPING FALLS BELOW 80% SURVIVAL OF TREES AND SHRUBS, OR 90% AREAL COVERAGE BY HERBACEOUS PLANTS, OR IF THE AMOUNT OF UNDESIRABLE VEGETATION COVER INCLUDING TARGET NON-NATIVE SPECIES EXCEEDS 10%, THE OWNER SHALL REMOVE UNDESIRABLE VEGETATION AND REINSTALL ALL DEFICIENT PLANTING AT THE NEXT APPROPRIATE PLANTING OPPORTUNITY. THE REQUIRED MAINTENANCE PERIOD MAY BE EXTENDED FROM THE DATE OF REPLANTING IF, IN THE OPINION OF THE CITY, AN ADDITIONAL TIME PERIOD IS NEEDED TO ENSURE THE REQUIRED LANDSCAPING BECOMES ESTABLISHED AND CAN SURVIVE LONG TERM. THE EXTENSION OF THE WARRANTY PERIOD MAY BE UP TO TWO YEARS.

THE WARRANTY PERIOD SHALL BE COMPLETE WHEN ALL THE REQUIREMENTS OF SECTION 2.08 OF THE CWS MANUAL HAVE BEEN MET. THE ONE YEAR MAINTENANCE ASSURANCE PERIOD HAS EXPIRED ON ALL ELEMENTS OF THE PROJECT AND ANY REPAIRS REQUIRED DURING THE MAINTENANCE PERIOD HAVE BEEN COMPLETED AND ACCEPTED.

TREES BOTANICAL / COMMON NAME ACER PALMATUM 'SANGO-KAK CORAL BARK JAPANESE MAPLE • CERCIDIPHYLLUM JAPONICUM KATSURA TREE CLADRASTIS KENTUKEA AMERICAN YELLOWWOOD ٠ GINKGO BILOBA 'AUTUMN GOLL AUTUMN GOLD MAIDENHAIR TR SHRUBS BOTANICAL / COMMON NAME CHOISYA TERNATA 'SUNDANCE $\langle \! \rangle$ SUNDANCE MEXICAN ORANGE CISTUS X 'GRAYSWOOD PINK' (\cdot) GRAYSWOOD PINK ROCKROSE CORNUS SERICEA 'KELSEYI' \odot KELSEY'S DWARF RED TWIG DO FOTHERGILLA GARDENII (\cdot) DWARF FOTHERGILLA YDRANGEA QUERCIFOLIA 'SNC (\cdot) SNOW QUEEN OAKLEAF HYDRAI NANDINA DOMESTICA 'LEMON— $\langle \cdot \rangle$ LEMON-LIME HEAVENLY BAMBO PINUS MUGO 'SLOWMOUND' + + SLOWMOUND MUGO PINE PRUNUS LAUROCERASUS 'OTTO \odot OTTO LUYKEN ENGLISH LAUREI RUDBECKIA FULGIDA SULLIVAN (\cdot) GOLDSTURM CONEFLOWER SARCOCOCCA RUSCIFOLIA \odot FRAGRANT SWEETBOX SPIRAEA JAPONICA 'GOLDMOUN (\cdot) GOLDMOUND SPIREA GROUND COVERS BOTANICAL / COMMON NAME

FRAGARIA CHILOENSIS

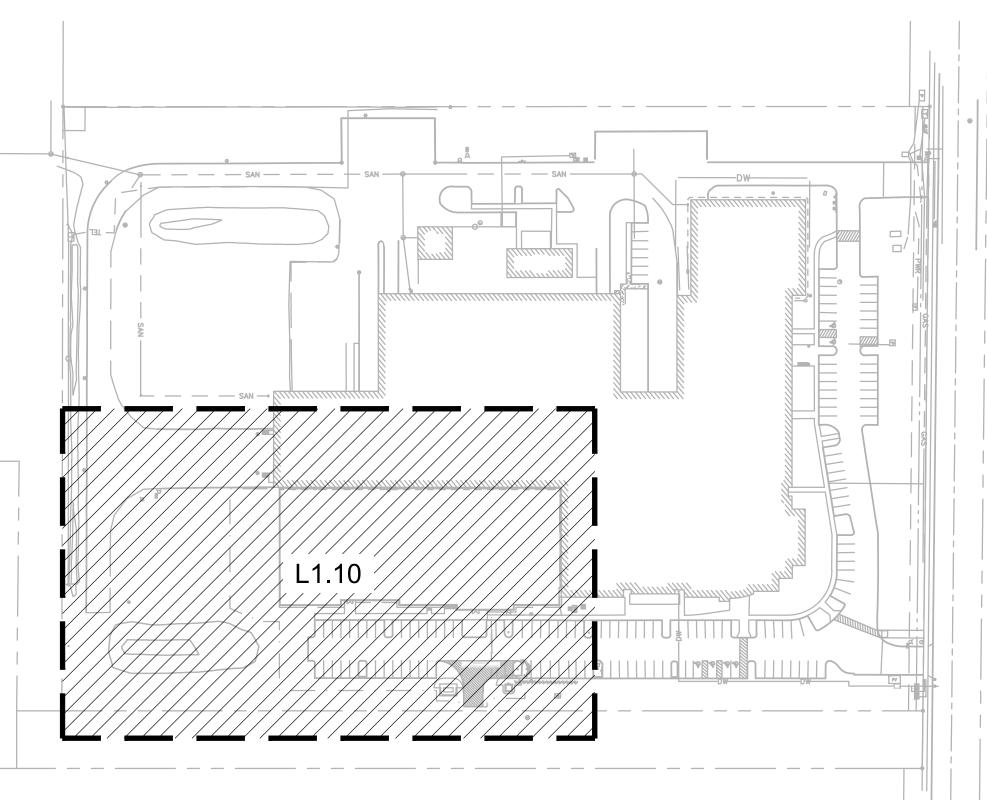
COASTAL STRAWBERRY

GRASS SEED

~ ~ ~ ~ ~ ~ ~ ~ ~ ~

//////////

PLANT SCHEDULE







	SIZE	
<i>'U'</i>	2" CAL. B&B	
Ξ		
	2" CAL. B&B	
	2" CAL. B&B	
	2" CAL. B&B	
REE		
	SIZE	SPACING
-)	5 GAL.	72" o.c.
	2 GAL.	60" o.c.
	2 GAL.	36" o.c.
DGWOOD		
		"
	2 GAL.	36" o.c.
OW QUEEN'	5 GAL.	72" o.c.
NGEA		
	2 GAL.	4.0"
LIME' OO	Z GAL.	48" o.c.
	5 GAL.	48" o.c.
O LUYKEN'	5 GAL.	48" o.c.
LUTKEN		<i>40 0.C</i> .
ITII 'GOLDSTURM'	2 GAL.	24" o.c.
	2 GAL.	48" o.c.
ND'	2 GAL.	48" o.c.
	SIZE	SPACING
	4" POT	24" o.c.
	1	1 1



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Client FUJIMI

> 11200 SW LEVETON DR **TUALATIN, OR 97062**

Project **BUILDING G**

EXPANSION

11200 SW LEVETON DR **TUALATIN, OR 97062**



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Delta	Issued As	Issue Date					

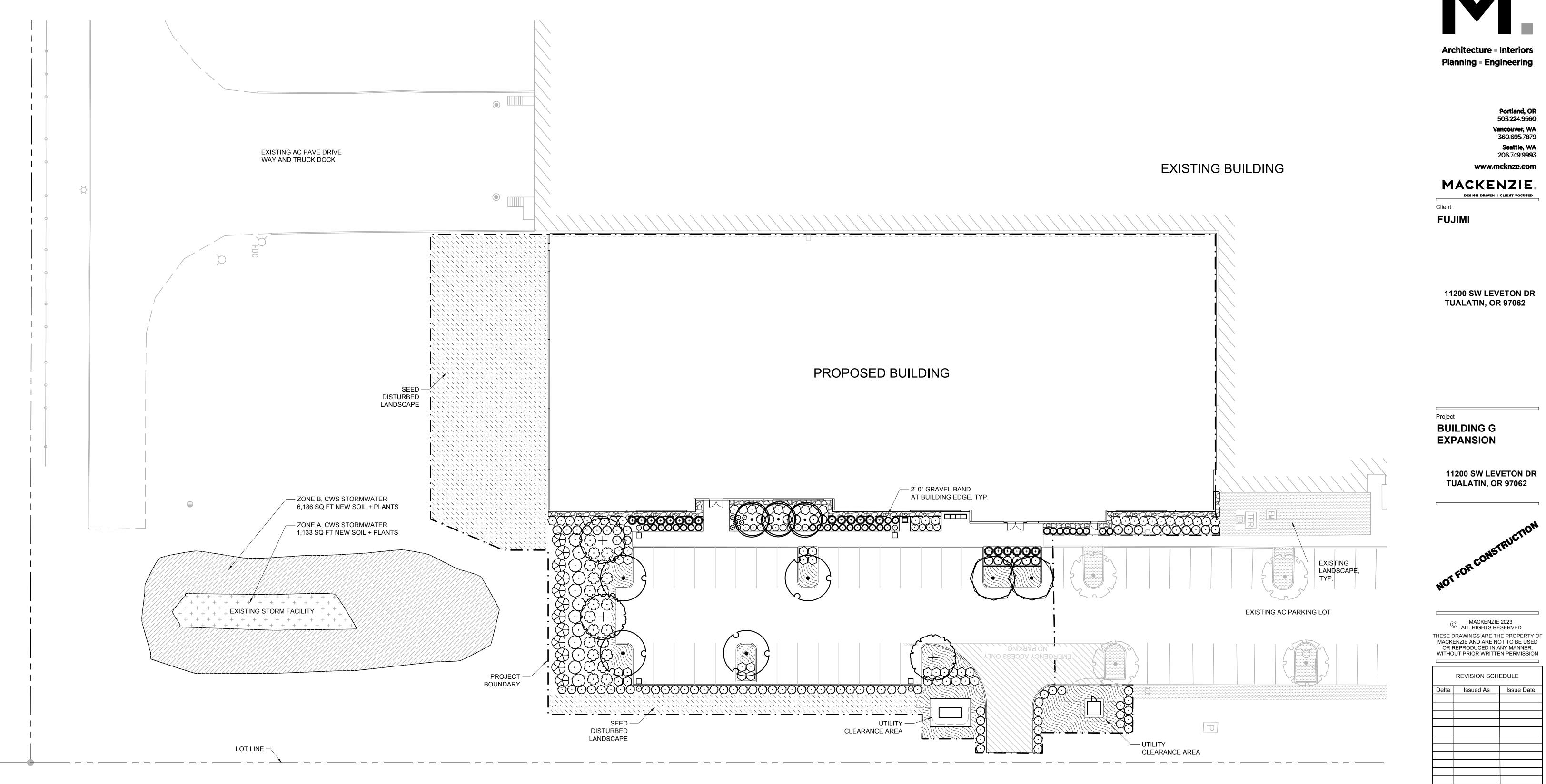
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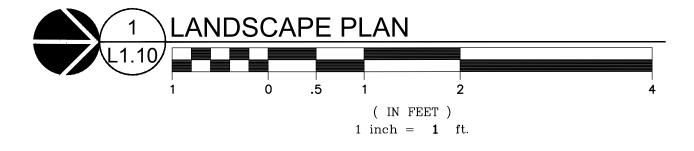
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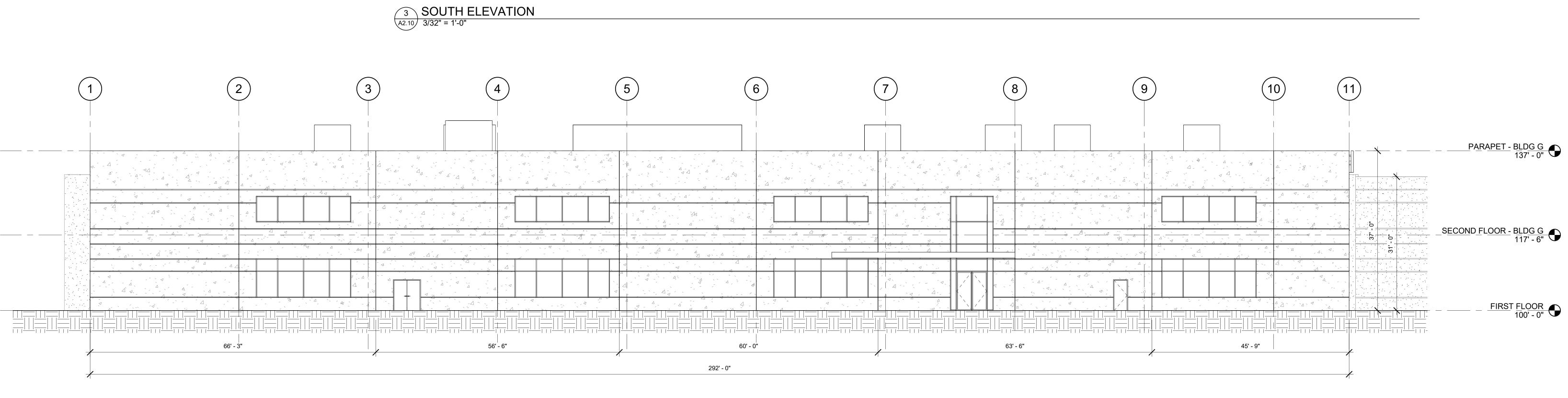
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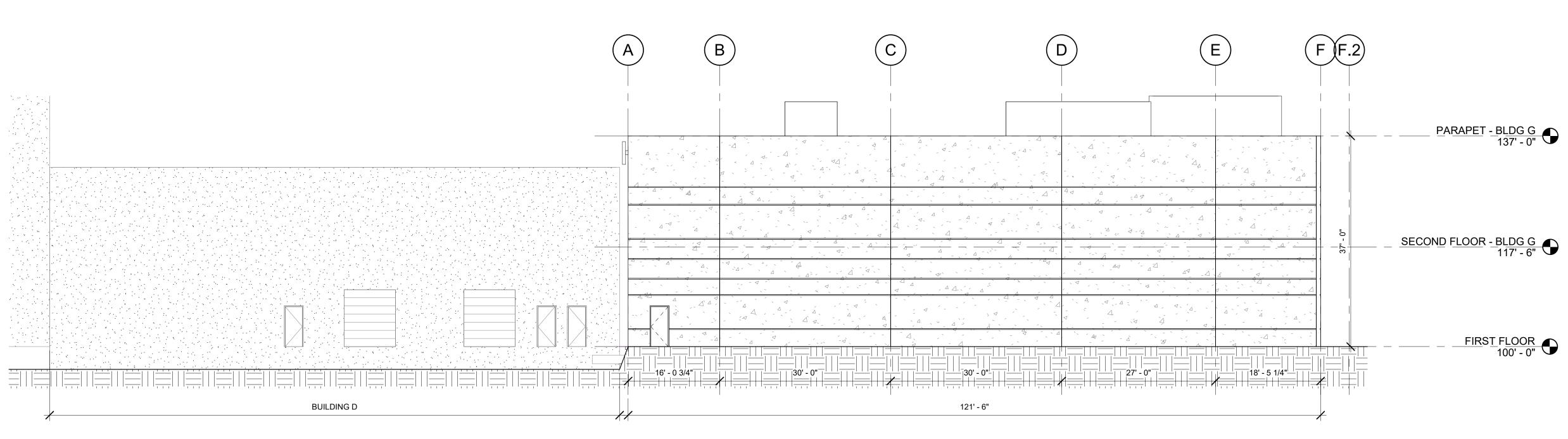
L1.10

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4 EAST ELEVATION A2.10 3/32" = 1'-0"



ARCHITECTURAL REVIEW 09/18/23 Autodesk Docs://Fujimi Facility Expansion/148-Fujimi Expansion-V23-A.rvt 9/18/2023 2:29:57 PM 3/32" = 1'-0"



Architecture - Interiors Planning - Engineering

Portland, OR 503.224.9560 Vancouver, WA 360.695.7879 **Seattle, WA** 206.749.9993 www.mcknze.com MACKENZIE. DESIGN DRIVEN | CLIENT FOCUSED Client FUJIMI 11200 SW Leveton Dr Tualatin, OR 97062 Project **BUILDING G** EXPANSION 11200 SW Leveton Dr Tualatin, OR 97062 © MACKENZIE 2021 ALL RIGHTS RESERVED THESE DRAWINGS ARE THE PROPERTY OF MACKENZIE AND ARE NOT TO BE USED OR REPRODUCED IN ANY MANNER, WITHOUT PRIOR WRITTEN PERMISSION **REVISION SCHEDULE** Issued As Issue Date SHEET TITLE: BUILDING ELEVATIONS DRAWN BY: Author CHECKED BY: Checker SHEET A2.10

FIRST FLOOR 100' - 0"

^{JOB NO.} **2200492.00**



2 BUILDING G AXON

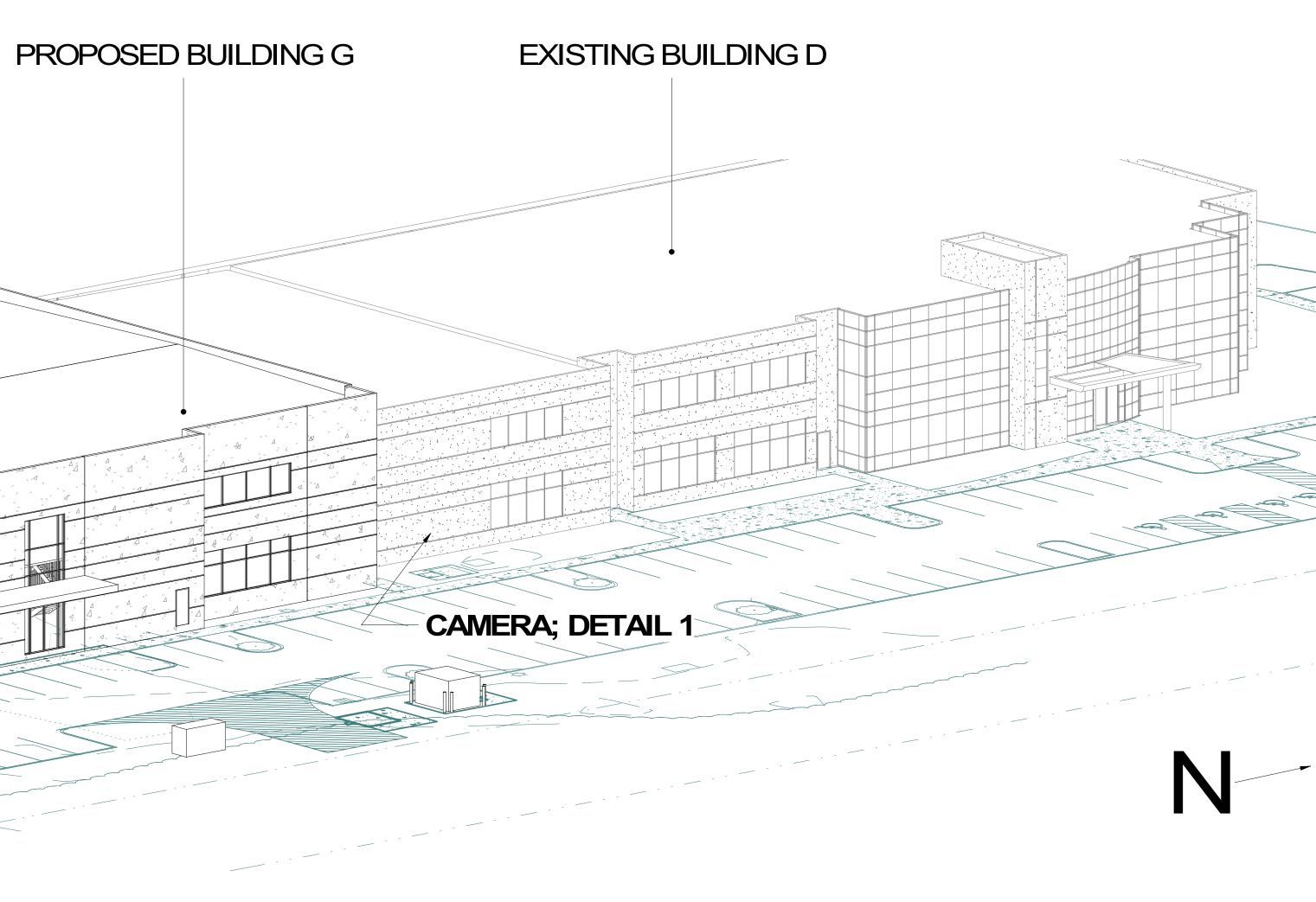
PAINTED TILT CONCRETE

- DARK TINTED BLUE GLAZING

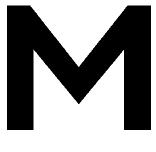
- CLEAR ANODIZED ALUMINUM STOREFRONT

3<

NEW FINISHES TO MATCH EXISTING, TYP



ARCHITECTURAL REVIEW 09/18/23 Autodesk Docs://Fujimi Facility Expansion/148-Fujimi Expansion-V23-A.rvt 9/14/2023 10:34:33 AM 12" = 1'-0"



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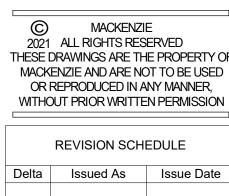
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SHEET TITLE: BUILDING MATERIALS

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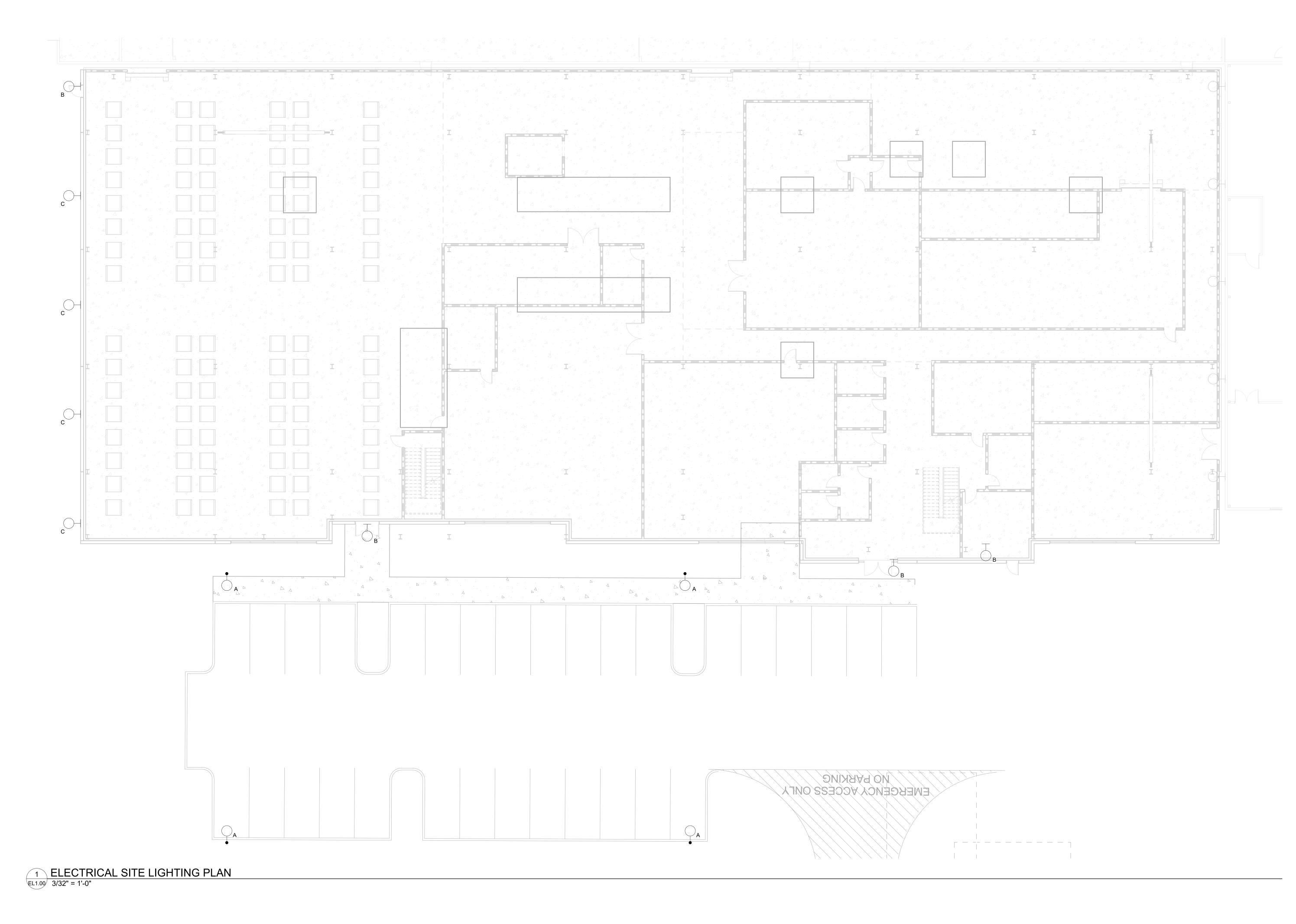
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		ABBREVIATIONS			EL	ECTRICAL LEGEND				
A, AMP AB	AMMETER, AMPERE ABSOLUTE	M MAX	MAG CONTACTOR, COIL OR CONTACT MAXIMUM	SYMBOL	DESCRIPTION	SYMBOL				
AC ACB	ALTERNATING CURRENT AIR CIRCUIT BREAKER AMPERE FRAME	MBS MCB MCC	MAINTENANCE BYPASS SWITCH MAIN CIRCUIT BREAKER MOTOR CONTROL CENTER	ф	OUTLETS SINGLE RECEPTACLE (120V)		CIRCUITRY AND RACEWAYS			
AFD AFF	ADJUSTABLE FREQUENCY DRIVE ABOVE FINISHED FLOOR	MCCB MCP	MOLDED CASE CIRCUIT BREAKER MOTOR CIRCUIT PROTECTOR	\ominus	DUPLEX RECEPTACLE (120V)		CONDUIT DOWN			
AIC ANN ARE	AMPS INTERRUPTING CURRENT ANNUNCIATOR ABOVE RAISED FLOOR	MDC MFR MH	MOTORIZED DAMPER CONTROL MANUFACTURER MANHOLE		DEDICATED DUPLEX RECEPTACLE (120V)		CONDUIT, CAP AND STAKE			
AS AT	AMMETER SWITCH AMP TRIP	MIN MLO	MINIMUM MAIN LUGS ONLY MECHANICAL	© [™] ⊣GFCI	WEATHERPROOF RECEPTACLE GROUND FAULT RECEPTACLE	→ 1,3	HOME RUN (WITH CIRCUIT NUMBERS) END OF CONDUIT RUN			
ATS ATX AWG	AUTOMATIC TRANSFER SWITCH AUTO TRANSFORMER AMERICAN WIRE GAUGE	MMP MO MS	MECHANICAL MOUNTING PANEL MOTOR OPERATOR MOTOR STARTER	G	ISOLATED GROUND RECEPTACLE	S	"RUN CONTINUES" INDICATION			
В	BELL	MSP MT,MTD	MOTOR STARTER PANEL MOUNTED		RECEPTACLE ABOVE COUNTER	•	UNDERGROUND CONDUIT			
BC BFF BG	BARE COPPER BELOW FINISHED FLOOR BULK GAS	(N) N	NEW NEUTRAL		HALF SWITCHED RECEPTACLE		1#12 GROUND 1#12 GROUND, ISOLATED			
BKR BLDG	BREAKER BUILDING	NA N.C.	NON-AUTOMATIC NORMALLY CLOSED		FLUSH FLOOR RECEPTACLE, DUPLEX		1#12 GROUND, ISOLATED			
BMS BOC BOD	BUILDING MANAGEMENT SYSTEM BOTTOM OF CONDUIT BOTTOM OF DUCT	N.E. NEC NEMA	NORTH EAST NATIONAL ELECTRICAL CODE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION	© ^{60A}	SPECIAL EQUIPMENT RECEPTACLE	#10.	1#12 NEUTRAL		DRAW	ING INDEX
BOP BOT	BOTTOM OF PIPE BOTTOM OF TRAY	NIC NL	NOT IN CONTRACT NIGHT LIGHT			#10 • ' 	3#10 CONDUCTORS (1 HOT, 1 NEUTRAL, 1 GROUND)			
BRN BT	BUS REFERENCE NO. (ENGINEERING STUDY USE) BASIC TRANSPONDER	N.O. NP NTS	NORMALLY OPEN NAMEPLATE NOT TO SCALE		CEILING MOUNTED RECEPTACLES TELEPOWER POLE (T=TELEPHONE, P=POWER, C=COMPUTER)		SWITCHED CONDUCTOR WIREMOLD WITH RECEPTACLES AS NOTED	SHEET NO. E0.01 ELEC		ET TITLE VIATIONS, AND GENERAL NO ⁻
C CAP.	CONDUIT, COIL CAPACITOR	N.W.	NORTH WEST	J	JUNCTION BOX		SERVICE AND EQUIPMENT		TRICAL SITE PLAN	MATIONS, AND GENERAL NO
CAT. # CB CC	CATALOG NUMBER CIRCUIT BREAKER CONTROL CABLE	OCB OFCI OI	115KV OIL CIRCUIT BREAKER OWNER FURNISHED CONTRACTOR INSTALLED OVERLOAD RELAY	J	PULL (JUNCTION) BOX	T 4			TRICAL FIRST FLOOR PA TRICAL SECOND FLOOR	
CCTV CCT, CKT	CLOSED CIRCUIT TELEVISION CIRCUIT	00 00A	OVERLOAD ON-OFF-AUTO		UNDER FLOOR JUNCTION BOX	30	NONFUSED DISCONNECT SWITCH, AMPERAGE INDICATED, SEE NOTE F.	EL1.00 ELEC	TRICAL SITE LIGHTING F	PLAN
CLK CO CONT	CLOCK CONDUIT ONLY CONTINUED	OOR OPD	ON-OFF-REMOTE OPEN POLE DETECTOR	•	SWITCHES	<u>40</u> 60	FUSED DISCONNECT SWITCH, AMPERAGE INDICATED,		TRICAL SITE PHOTOMET TRICAL DETAILS	RICS
CPT CR	CONTROL POWER TRANSFORMER CORROSION RESISTANT	P PF	POWER POWER FACTOR	€ ¢ª	SINGLE-POLE SWITCH SINGLE-POLE SWITCH WITH SWITCH LEG	F	SEE NOTE F. ENCLOSED CONTACTOR. MAGNETIC. AMPERAGE INDICATED.	E6.01 ELEC	TRICAL SCHEDULES	
CRE CRS CRWP	CORROSION RESISTANT COATED RIGID STEEL CONDUIT CLEANROOM WALL PANEL	PL PB PC	PILOT LIGHT PUSHBUTTON SWITCH PHOTOCELL	↓ \$2	DOUBLE-POLE SWITCH		SEE NOTES F AND G.			
CSFD CT	COMBINATION SMOKE, FIRE DAMPER CURRENT TRANSFORMER	PCP PIN	PLANT CONTROL PANEL PERSONAL ID NUMBER	\$3	THREE-WAY SWITCH		ENCLOSED STARTER, MAGNETIC, NEMA SIZE INDICATED, SEE NOTES F AND G.			
(D) D	DEMOLISH DUCT	PIV PNL	POST INDICATOR VALVE PANEL POWER QUALITY	\$4	FOUR-WAY SWITCH SWITCH WITH PILOT LIGHT	2	ENCLOSED STARTER, COMBINATION MAGNETIC, NEMA SIZE INDICATED, SEE NOTES F AND G.			
DB DC	DUCT BANK DIRECT CURRENT	Ø, PH PVC	PHASE POLYVINYL CHLORIDE	⊅° \$⊕	COMBINATION SWITCH/DUPLEX RECEPTACLE		VARIABLE FREQUENCY DRIVE WITH DISCONNECT			
DDC DIA DIV	DIRECT DIGITAL CONTROL DIAMETER DIVISION	QTY	QUANTITY	\$# \$Lv	LOW-VOLTAGE SWITCH, NUMBER AS NOTED	CB	ENCLOSED CIRCUIT BREAKER, AMPERAGE INDICATED, SEE NOTE F.			
DWG Δ	DRAWING DELTA CONNECTED	R (R)	RATE OF RISE, RIGHT RELOCATE	\$#	LOCKING SWITCH		PANELBOARD, FLUSH MOUNTED			
E (E), EX	EMPTY EXISTING	ŘĆPT RCY (RD)	RECEPTACLE RACEWAY REDUNDANT		SINGLE-POLE DIMMER SWITCH SINGLE-POLE FLUORESCENT DIMMER SWITCH		PANELBOARD, SURFACE MOUNTED UTILITY METER, AS REQUIRED			
ÉĆS EDF	EMERGENCY COMMAND STATION ELECTRIC DRINKING FOUNTAIN	RF [´] RGS	RADIO FREQUENCY RIGID GALVANIZED STEEL	Д FD Sk	KEY SWITCH		UTILITY METER, AS REQUIRED CURRENT TRANSFORMERS (WITH POTENTIAL TRANSFORMERS WHERE REQUIRED)			
EEW EG FI	ENERGIZED ELECTRICAL WORK ENGINE GENERATOR ELECTRICAL EMERGENCY	RM RMS RQD	ROOM ROOT MEAN SQUARE REQUIRED	Swp	WEATHERPROOF SWITCH	• ·	GROUND		GENER	AL NOTES
EL ELEC EM, EMER	ELECTRICAL EMERGENCY ELECTRICAL EMERGENCY	RQD RTM RVNR	REQUIRED RUNNING TIME METER REDUCED VOLTAGE NON-REVERSING	\$T	TIME SWITCH OCCUPANCY SENSOR		CIRCUIT BREAKER, THERMAL MAGNETIC OR SOLID STATE			SYMBOLS OR ABBREVIATIONS MAY A
EMH EPO	ELECTRICAL MANHOLE EMERGENCY POWER OFF	RVR	REVERSING	\$oc	SWITCH WITH OCCUPANCY SENSOR	ТТВ	TELEPHONE TERMINAL BOARD		IOT ON THE PROJECT DRAWING	3S. HES INDICATE NUMBER OF #12 CONDU
EMT ENT EOL	ELECTRICAL METALLIC TUBING ELECTRICAL NON-METALLIC TUBING END-OF-LINE DEVICE	S S.C. SCP	SPEAKER SHORT CIRCUIT SECURITY CONTROL PANEL		MECHANICAL		GROUNDING	CROSSHATC	H WITH DOT INDICATES GROUN BLE CODES UNLESS OTHERWI	D WIRE. SIZE CONDUIT ACCORDING TO
ERT ESD	EMERGENCY RESPONSE TEAM ELECTROSTATIC DISCHARGE	S.E. SEC	SOUTH EAST SECONDS		MOTOR AND CONNECTION, HP AS NOTED	· · · · ·	GROUND ROD GROUNDING BUS, GROUND PLAT	C TAG NUMBER	DENOTES DEVICES ADDRESS	
ESES ET ETM	EMERGENCY SERVICE ENTRANCE SUBSTATION EXPANDED TRANSPONDER ELAPSED TIME METER	SES SFEP SO	SERVICE ENTRANCE SUBSTATION SMOKE/FUME EXHAUST PANEL SWITCH OPERATOR		CEILING EXHAUST FAN	\bigcirc	GROUND TEST WELL			BASIS OF COPPER, THHN-2/THWN-2. C EATER THAN 100A SIZED ON BASIS OF
EWC	ELECTRIC WATER COOLER	SOL SP	SLOW SPEED OL RELAY SPARE	HP	WALL TYPE EXHAUST FAN, HP AS NOTED		EXOTHERMIC WELD	NOTED OTHE	RWISE. CONDUIT SHALL BE EM	T, UNLESS NOTED OTHERWISE.
F (F) FA	FLUSH FUTURE FIRE ALARM	SS ST STC	STAINLESS STEEL SHUNT TRIP SOURCE TRANSFER CONTROL		PIPE HEAT TRACE ELECTRIC UNIT HEATER		CONTROL		QUIPMENT PER SPECIFICATION ND SECTIONS FOR MOUNTING	NS UNLESS INDICATED OTHERWISE. RI HEIGHTS.
FACP FBO	FIRE ALARM CONTROL PANEL FURNISHED BY OTHERS	STD SUPP	STANDARD SUPPRESSOR	EBBH	ELECTRIC BASEBOARD HEATER	T	THERMOSTAT	3R = NEMA 3I	JRES ARE NEMA 1 UNLESS IND R, X = EXPLOSION PROOF	CATED OTHERWISE:
FCS FDR FLR	FACILITY CONTROL SYSTEM FEEDER FLOOR	SUR SW S.W.	SURFACE SWITCH SOUTH WEST		ELECTRIC TOEKICK HEATER	(H)	HUMIDISTAT		X, WP = WEATHER PROOF	
FOL FU	FAST ACTING OL RELAY FUSE	S.W. SWBD SWGR	SWITCHBOARD SWITCHGEAR	WH	WATER HEATER	PC TC	PHOTOCELL TIME CLOCK			GRAPHIC REPRESENTATIONS. REFER
FWS FVNR FVR	FIRE WATER STORAGE FULL VOLTAGE NON-REVERSING FULL VOLTAGE REVERSING	SYM SYNC	SYMMETRICAL SYNCHRONIZER		TELE/DATA	•	PUSHBUTTON STATION	SCHEDULE F	OR SPECIFIC SOURCE, TYPE AN	ID MOUNTING.
GND	GROUND	2S1W 2S2W	TWO SPEED, ONE WINDING TWO SPEED, TWO WINDING	¥	TELEPHONE JACK, 4SQ BOX WITH SINGLE GANG MUD RING MOUNT @, +18" AFF (1-CAT6A) UNO	● EPO	EMERGENCY POWER OFF PUSHBUTTON		D WIREWAY ROUTING IS SCHEN	1ATIC. FIELD ROUTE. (FURNISH AND INSTALL) ALL ELECTRIC
GEN GFCI GFR	GENERAL GROUND FAULT CIRCUIT INTERRUPTER GROUND FAULT RELAY	T TSTAT	TEMPORARY THERMOSTAT TERMINAL BLOCK	\mathbf{V}	TELE/DATA JACK, 4SQ BOX WITH SINGLE GANG MUD RING		FIRE ALARM	SUPPORT AN	D TERMINATIONS UNLESS NOT	ÈD OTHERWISE.
GSM	GAS SAFETY MONITOR	TBD TC	TO BE DETERMINED TIME CLOCK		MOUNT @ +18" AFF UNO (2-CAT6A) UNO DATA JACK, 4SQ BOX WITH SINGLE GANG MUD RING	F	FIRE ALARM PULL STATION		AL TYPE WRITTEN SCHEDULES	I UPDATED PANEL SCHEDULES DURING AT END OF PROJECT TO ENGINEER AN
H HH HID	HORN HANDHOLE HIGH INTENSITY DISCHARGE	TDR TJB	TIME DELAY RELAY TERMINAL JUNCTION BOX		MOUNT @ +18" AFF UNO (2-CAT6A) UNO WIRELESS ACCESS POINT	②	SMOKE DETECTOR	M CONTRACTO	R SHALL WALK PROJECT AREA	PRIOR TO BID. TIME AND MATERIALS F
HID HOA HVAC	HIGH INTENSITY DISCHARGE HAND-OFF-AUTOMATIC HEATING, VENTILATING & AIR CONDITIONING	TSP TYP	TAMPER SWITCH TWISTED SHIELDED PAIR TYPICAL	WAP	ACCESS POINT	2 120	SMOKE DETECTOR, 120V; P = PHOTOELECTRIC, PCM = COMBINATION PHOTOELECTRIC CARBON MONOXIDE	WALK SHALL	BE INCLUDED IN FINAL BID SUE	BUILDING CONSTRUCTION THAT ARE VI MISSION. AREAS THAT CAN NOT BE VI
HB HP	HORIZONTAL BEND HORSEPOWER	U	UNDERGROUND		<u>FIXTURES</u>	(H) (D)	HEAT DETECTOR, RATE OF RISE			CLUDED IN BID FOR CONSTRUCTION IN
ICCB I.D.	INSULATED CASE CIRCUIT BREAKER	UNO UPS	UNLESS NOTED OTHERWISE UNINTERRUPTIBLE POWER SUPPLY		2'x4' RECESSED FIXTURE	C	DUCT DETECTOR HORN	P DEMOLITION		CONDUIT, WIRE, BOXES AND HANGER S
IER I&C	INTEGRATED EQUIPMENT RATING INSTRUMENTATION AND CONTROL	V			2'x4' RECESSED FIXTURE, EMERGENCY	⊥ ∑x	HORN STROBE, STROBE CANDELA AS NOTED	SOURCE.	COPE IS DESIGN-BUILD BY THE	CONTROLS CONTRACTOR. DESIGN AI
IMC I/O IS	INTERMEDIATE METALLIC CONDUIT INPUT/OUTPUT CURRENT SWITCH	VA VESDA VFD	VOLT-AMPERE VERY EARLY SMOKE DETECTION APPARATUS VARIABLE FREQUENCY DRIVE	0	2'x4' FIXTURE	× ×	STROBE ONLY, CANDELA AS NOTED	SHALL BE IN	ACCORDANCE WITH DRAWINGS	S, SPECIFICATIONS AND BUILDING COD
J, JB	JUNCTION BOX	VIB VLF	VERTICAL INSIDE BEND VERTICAL LAMINAR FLOW UNIT	•	2'x4' FIXTURE, EMERGENCY	Ŷ^ (§)	WALL MOUNTED STROBE ONLY, CANDELA AS NOTED CEILING MOUNTED SPEAKER/STROBE, CANDELA AS NOTED			PER A.I.C RATING OF SYSTEM. OVIDED BY VENDOR, EXCEPT AS NOTE
K KCMIL	KEY INTERLOCK 1000 CIRCULAR MIL	VOB VP VS	VERTICAL OUTSIDE BEND VAPOR PROOF VOLTMETER SWITCH		1'x4' RECESSED FIXTURE		MAGNETIC DOOR HOLDER		ISTALLATION REQUIREMENTS.	OVIDED BY VENDOR, EXCEPT AS NOTE
KV KVA	KILOVOLT KILOVOLT-AMPERE		VOLTAGE TRANSFORMER		1'x4' RECESSED FIXTURE, EMERGENCY	FC	FIREFIGHTER COMMUNICATION JACK			IT SUPPLIED FROM FACILITY POWER S PER N.E.C. PROVIDE AS REQUIRED.
KVAR KW KWH	KILOVAR KILOWATT KILOWATT HOUR	W WHD WP	WATT, WIRE WATTHOUR DEMAND WEATHERPROOF		1'x4' FIXTURE 1'x4' FIXTURE, EMERGENCY	FS	FLOW SWITCH		INDING CABLE TO NEAREST GF	
L	LEFT	XFMR	TRANSFORMER	[<u>•</u> •]	LED PENDANT LIGHT	TS J ^{FSD}	TAMPER SWITCH FIRE SMOKE DAMPER		R SHALL PROVIDE GROUNDING OOL MANUAL AND VERIFY WITH	PER N.E.C. AND MANUFACTURER'S RI EQUIPMENT SUPPLIER.
LAN LC	LOCAL AREA NETWORK LIGHTING CONTACTOR	Y	WYE-CONNECTED	0	LED PENDANT LIGHT, EMERGENCY	FACP	FIRE ALARM CONTROL PANEL	W REFERENCE	FACILITY DATA MATRIX FOR PO	OWER SOURCE DETAILS.
LTG LV LVR	LIGHTING LOW VOLTAGE LOW VOLTAGE RELAY	Z ZSD	IMPEDANCE UNBALANCED IMPEDANCE DETECTOR			ANN	ANNUNCIATOR PANEL			JUST CONDUCTOR SIZE AS NEEDED FO
					1'x2' FIXTURE, EMERGENCY		SECURITY AND MISCELLANEOUS	Y TRANSITION VIBRATION T		UIT AT TERMINATION TO EQUIPMENT T
					2'x2' RECESSED FIXTURE	(S) (C)		Z ALL CAT 6 CA BE PROVIDEI		AND TESTED PER ADI STANDARDS. AL
					2'x2' RECESSED FIXTURE, EMERGENCY	CCTVP P,T,Z		Z1 ALL INDOOR	CONDUIT SHALL BE EMT, AND A	LL OUTDOOR CONDUIT SHALL BE RMC
					2'x2' HIGH BAY FIXTURE 2'x2' HIGH BAY FIXTURE, EMERGENCY	P,T,Z XX	SECURITY CAMERA (PAN, TILT, ZOOM) SECURITY DEVICE:		SPECIFIED SHALL BE 3/4"C. R SHALL PROVIDE ALL OPERAT	IONS TEST AND COMMISSION DOCUME
					4' STRIP FIXTURE		CB CALL BUTTON	REVIEW. OW CONSIDERED	NER SIGN OFF WILL BE REQUIP COMPLETED. OPERATIONAL 1	RED FOR ALL CONSTRUCTION AND INS TEST SHALL CONTAIN MEGGER TEST, C
					4' STRIP FIXTURE, EMERGENCY		CR CARD READER DS DOOR STATUS SWITCH	VOLTAGE CH		QUE RESULTS, AND DOCUMENTATION C
					4' WALL MOUNTED FIXTURE		EH ELECTRIC HINGE EL ELECTRIC LOCKING HARDWARE			SSARY PERMITS, INSPECTIONS, AND A
				9	WALL MOUNTED FIXTURE		ES ELECTRIC DOOR STRIKE GB GLASS BREAK MONITOR	TOOLS.	CONTRACTOR SHALL PROVIDE	PHENOLIC LABELS FOR ELECTRICAL E
					SURFACE OR PENDANT MOUNTED HIGH BAY FIXTURE		KP KEY PAD	- UPS - BLACK - STANDBY - W	LETTERS AND WHITE BACKGRO HITE LETTERS AND BROWN BA	DUND CKGROUND
					SURFACE OR PENDANT MOUNTED HIGH BAY FIXTURE, EMERGENCY		LA LOCAL DOOR ALARM LILO LOG IN/LOG OUT	- EMERGENCY	- WHITE LETTERS AND RED BA	CKGROUND
				NL	NIGHT LIGHT		ML MAGNETIC LOCK	BOARDS. AL	CIRCUIT BREAKERS IN ALL PA	AD NAMES ON ALL CONDUCTORS IN D NELS SHALL HAVE LOAD SERVED AND
					EMERGENCY WALL PACK		HEAT TRACE		CONTRACTOR SHALL BE RESP FOR ALL ELECTRICAL EQUIPME	ONSIBLE TO INSTALL PROPER STRUCT NT.
					WALL MOUNTED EXIT SIGN	ELX		Z7 ALL RECEPT	ACLES SHALL BE MANUFACTUR	ED BY HUBBELL.
				$ $ \otimes	CEILING MOUNTED EXIT SIGN		 A CHROMALOX TYPE RTPC-SL2 FOR REMOTE MOUNTING B CHROMALOX TYPE RTST-SL2 FOR PIPE MOUNTING 			
				•	DARKENED SEGMENT INDICATES NUMBER OF AND DIRECTION OF EXIT F		POWER CONNECTION BOX - CHROMALOX TYPE RTPC	Z9 ALL UNI-STRI	JT UTILIZED OUTDOOR SHALL E	E HOT DIPPED GALVANIZED.
				\bigcirc	DIRECTIONAL ARROWS AS SHOWN ON EXIT FIXTURES	RTD		1 INTEGRATED		ERS TO THE SHORT CIRCUIT RATING O
					SITE BOLLARD FIXTURE	SB	SPLICE BOX - CHROMALOX TYPE RTST	COMPONENT	THAT HAS THE LOWEST SHOR	T CIRCUIT RATING.
						TS (5W LT)	THERMOSTAT WITH BULB AND CAPILLARY - CHROMALOX TYPE RTBC		CONDUCTOR	R COLOR CODES
							CHROMALOX TYPE SRL CABLE WATTACHE INDICATED AS:	CONDUCTOR	208/120V, 240/120V	480/277V AB
							3W = 3 WATT 5W = 5 WATT 8W = 8 WATT	PHASE A	BLACK	BROWN
							8W = 8 WATT 10W = 10 WATT	PHASE B PHASE C	RED BLUE	ORANGE BLU
								NEUTRAL	WHITE	GRAY -
								GROUND	GREEN	GREEN -

GREEN

ISO GROUND







A SEE SHEET E-001 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES. B TIE ALL EXTERIOR LIGHTING INTO EXISTING PHOTOCELL, TIMECLOCK, AND MANUAL CONTROL FROM EXISTING BUILDING.

KEYED NOTES

- 1 MOUNT ALL TYPE 'A' LUMINAIRES ON 20' POLE. SEE LIGHTING FIXTURE POLE SCHEDULE.
- 2 MOUNT ALL TYPE 'B' LUMINAIRES AT 10' ABOVE FINISHED FLOOR.
- 3 MOUNT ALL TYPE 'C' LUMINAIRES AT 9' ABOVE FINISHED FLOOR.



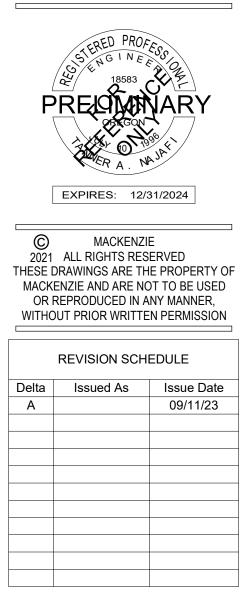
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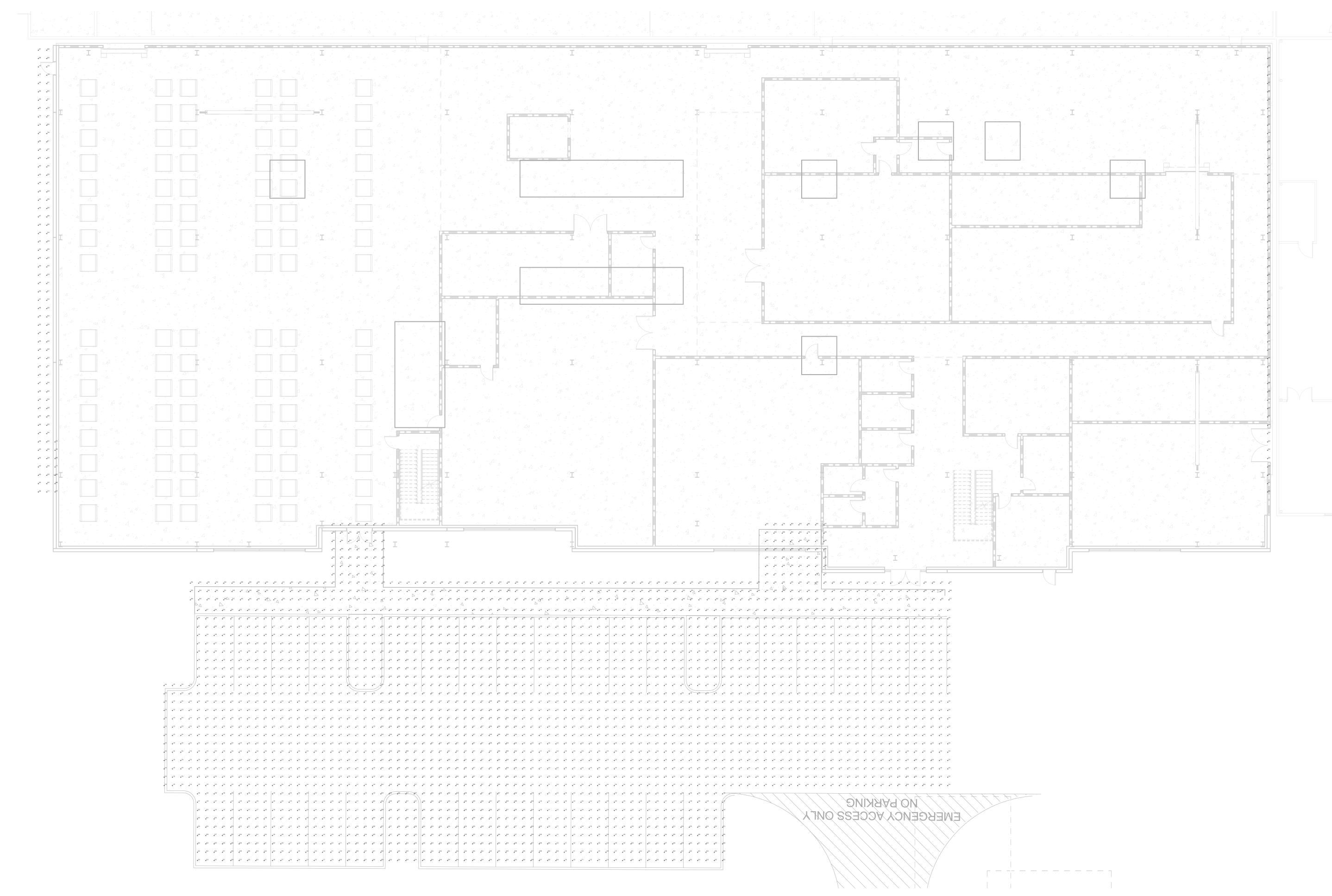
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1 ELECTRICAL SITE PHOTOMETRICS EL1.01 3/32" = 1'-0"

GENERAL NOTES A SEE SHEET E-001 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.

Statistics								
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min		
Building Breezeway	+	3.5 fc	9.8 fc	0.7 fc	14.0:1	5.0:1		
Parking Lot	+	1.3 fc	3.3 fc	0.4 fc	8.3:1	3.3:1		
Sidewalk	+	2.8 fc	9.3 fc	0.6 fc	15.5:1	4.7:1		



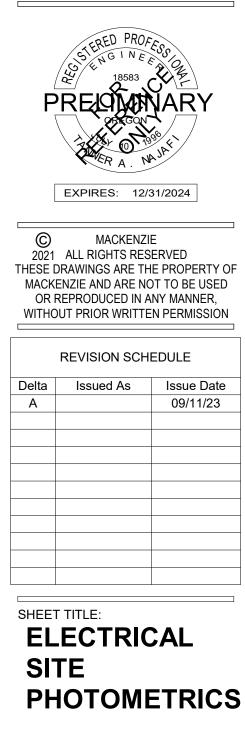
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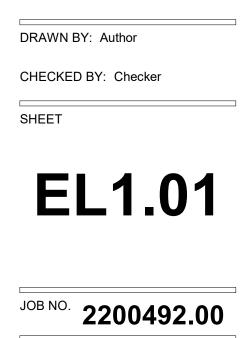
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	LIGHT FIXTURE SCHEDULE									
LABEL	DESCRIPTION	LAMP	LAMP LUMENS	WATTS	VOLTAGE	CATALOG NUMBER	MANUFACTURER	MOUNTING	NOTES	
A	SQUARE POLE MOUNTED WIDE DISTRIBUTION LUMINAIRE	LED 5000K	7,096	51	120-277V	RSX1 LED P1 50K R3 MVOLT SPA	LITHONIA LIGHTING	POLE MOUNT	ALL A FIXTURES TO BE MOUNTED ON 20' POLES.	
В	POLYCARBONATE LENS WALL PACK	LED 5000K	1,450	11	120-277V	TWPX1 LED P1 50K MVOLT DBLXD	LITHONIA LIGHTING	WALL MOUNT		
С	WIDE ANGLE LENS WEDGE WALL PACK	LED 5000K	2,071	15	120-277V	WDGE2 LED P2 50K 80CRI VW SRM	LITHONIA LIGHTING	WALL MOUNT		

LIGHTING FIXTURE POLE SCHEDULE								
LABEL	DESCRIPTION	CATALOG NUMBER	MANUFACTURER	NOTES				
POLE	SQUARE STRAIGHT STEEL GENERAL PURPOSE LIGHT POLE. 20' HEIGHT, SINGLE LUMINAIRE MOUNT, 3"X5" HANDHOLE WITH COVER.	547083	ENERGY LIGHT INC.	FOR TYPE 'A' LIGHT FIXTURES				
NOTE 1: C	NOTE 1: COLOR/FINISH OF THE POLES AND FIXTURES NEEDS TO MATCH EXISTING.							

GENERAL NOTES A SEE SHEET E-001 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.

JOB NO. **2200492.00** NOT FOR CONSTRUCTION 8/11/23 Autodesk Docs://Fujimi Facility Expansion/22034 Fujimi Expansion-V23-MEP.rvt 9/12/2023 4:53:35 PM 12" = 1'-0"



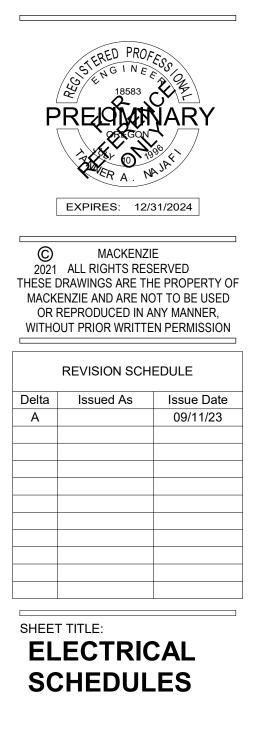
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