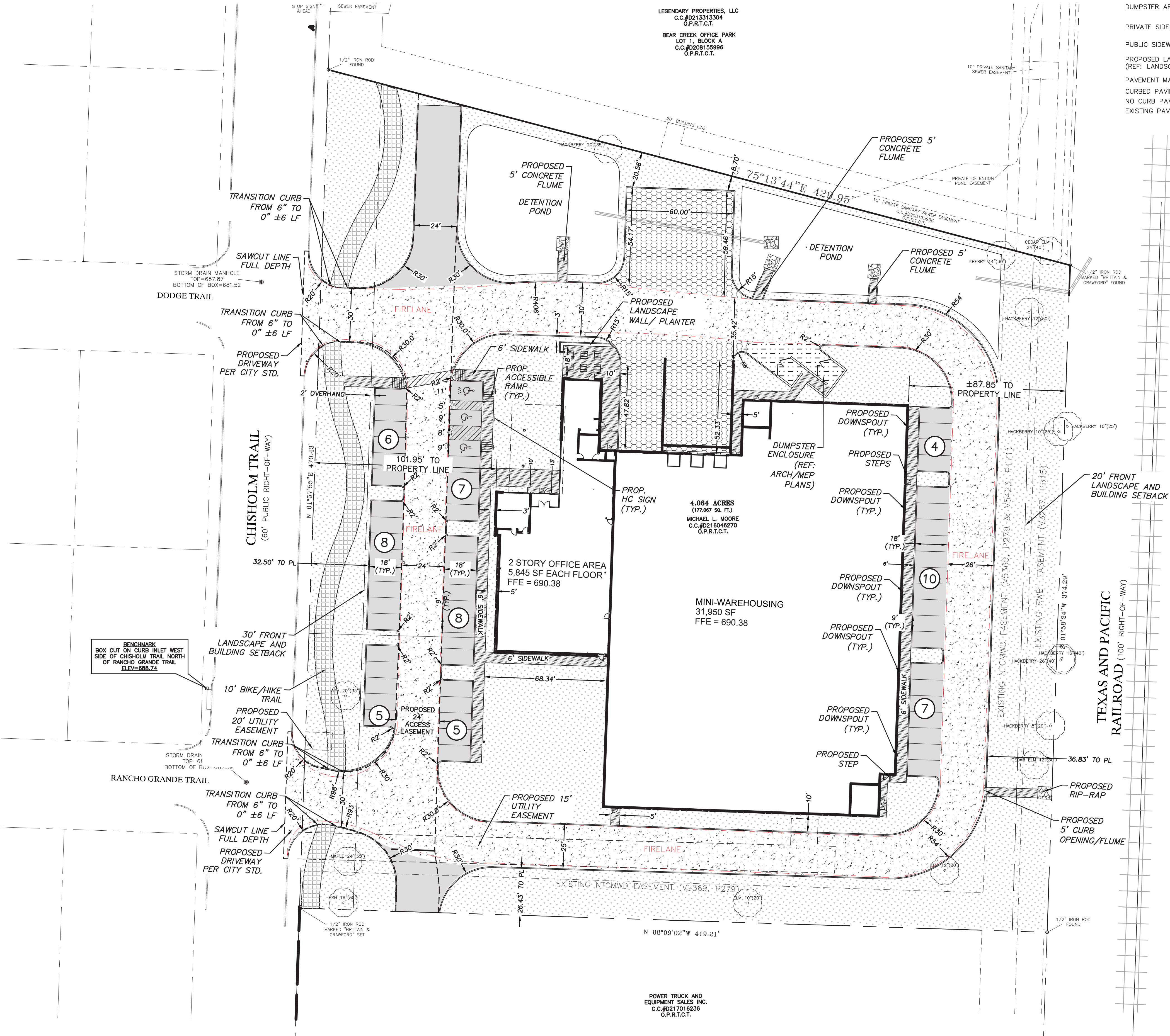


THE PENGUIN PATCH

SITE PLAN APPLICATION

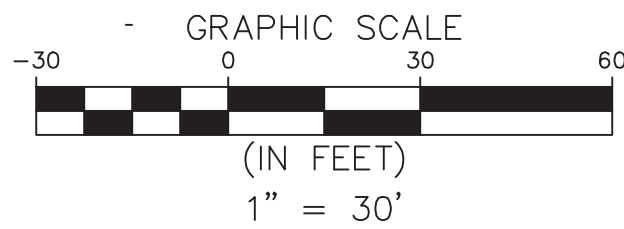
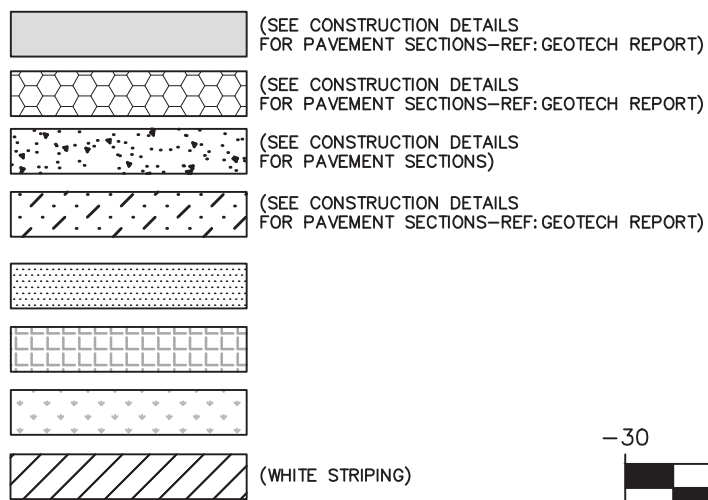


SITE PLAN



LEGEND

- LIGHT DUTY PAVEMENT
- MEDIUM DUTY PAVEMENT
- FIRELANE PAVEMENT
- DUMPSTER AREA
- PRIVATE SIDEWALK (REF: ARCH PLANS)
- PUBLIC SIDEWALK
- PROPOSED LANDSCAPE (REF: LANDSCAPE PLANS)
- PAVEMENT MARKING
- CURBED PAVING EDGE
- NO CURB PAVING EDGE
- EXISTING PAVEMENT



CALL 72 HOURS
BEFORE YOU DIG
1-800-344-8377 (DIG-TESS)
811 or 1-800-545-6005 (TEXAS ONE)
1-800-669-8344 (LONESTAR NOTIFICATION)
OR OTHER UTILITY LOCATING SERVICES

NOTICE TO CONTRACTOR:

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BENCHMARKS:

BENCHMARK
N= 7021524.7454'
E= 2349819.1700'
ELEV= 688.74

NOTES:
BOX CUT ON CURB INLET WEST SIDE OF CHISHOLM TRAIL NORTH OF RANCHO GRANDE TRAIL

- ACCESSIBLE PARKING NOTES - 68.104. ACCESSIBLE PARKING SPACES (NEW SECTION EFFECTIVE AUGUST 1, 2020, 45 TEXREG 5166):
- A PAVED ACCESSIBLE PARKING SPACE MUST INCLUDE (1) THE INTERNATIONAL SYMBOL OF ACCESSIBILITY PAINTED CONSPICUOUSLY ON THE SURFACE IN A COLOR THAT CONTRASTS THE PAVEMENT
 - THE WORDS "NO PARKING" PAINTED ON ANY ACCESS AISLE ADJACENT TO THE PARKING SPACE. THE WORDS MUST BE PAINTED
A. IN ALL CAPITAL LETTERS
B. WITH A LETTER HEIGHT OF AT LEAST TWELVE INCHES, AND A STROKE WIDTH OF AT LEAST TWO INCHES; AND
C. CENTERED WITHIN EACH ACCESS AISLE ADJACENT TO THE PARKING SPACE; AND
 - A SIGN IDENTIFYING THE CONSEQUENCES OF PARKING ILLEGALLY IN A PAVED ACCESSIBLE PARKING SPACE. THE SIGN MUST:
A. AT A MINIMUM STATE "VIOLATORS SUBJECT TO FINE AND TOWING" IN A LETTER HEIGHT OF AT LEAST ONE INCH;
B. BE MOUNTED ON A POLE, POST, WALL OR FREE STANDING BOARD;
C. BE NO MORE THAN EIGHT INCHES BELOW A SIGN REQUIRED BY TEXAS ACCESSIBILITY STANDARDS, 502.6; AND
D. BE INSTALLED SO THAT THE BOTTOM EDGE OF THE SIGN IS NO LOWER THAN 48 INCHES AND NO HIGHER THAN 80 INCHES ABOVE GROUND LEVEL.
 - A PARKING SPACE IDENTIFICATION SIGN THAT COMPLIES WITH TEXAS ACCESSIBILITY STANDARDS, 502.6, THAT INCLUDES THE REQUIREMENTS IN SUBSECTION (a)(3)(A) SATISFIES SUBSECTION (a)(3).

SITE DATA			
LOT AREA		177,067 SF. (±4.06 AC.)	
EXISTING ZONING		C COMMERCIAL ZONE	
PROPOSED USE		LIGHT INDUSTRIAL	
BUILDING HEIGHT: OFFICE-WAREHOUSE		29'-1/2" - 42'-2"	
PARKING REQUIREMENTS			
USE	SQARE FOOTAGE	PARKING REQUIREMENT	REQUIRED SPACES
MINI-WAREHOUSING	31,950	1 PER 5,000 SF	7
OFFICE AREA	11,690	1 PER 300 SF	39
TOTAL PARKING REQUIRED			46
PARKING SPACES PROVIDED			
HANDICAP PARKING REQUIRED:		3 SPACES	
HANDICAP PARKING PROVIDED:		3 SPACES	
TOTAL PARKING SPACES:		60 SPACES	

NOTE:
ALL SIGNAGE TO BE REVIEWED AND APPROVED UNDER A SEPARATE PERMIT

REVISIONS		COMMENTS
NO.	DATE:	
1	06/14/23	Revised to show difference between fire lane and medium-duty concrete. Fire lane on east side of building updated to 20' Parking flipped to be on west side of building. 24' Firelane added to west side of building, curb radii and parking spaces were adjusted accordingly. Computer enclosure and path to enclosure updated for pedestrian access. 4100 Interdop. Planning on enclosure. 20' near setback added and called out on plan.

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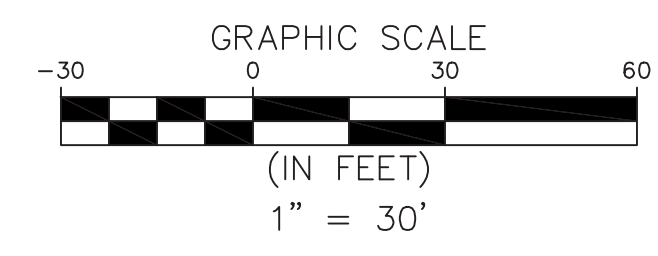
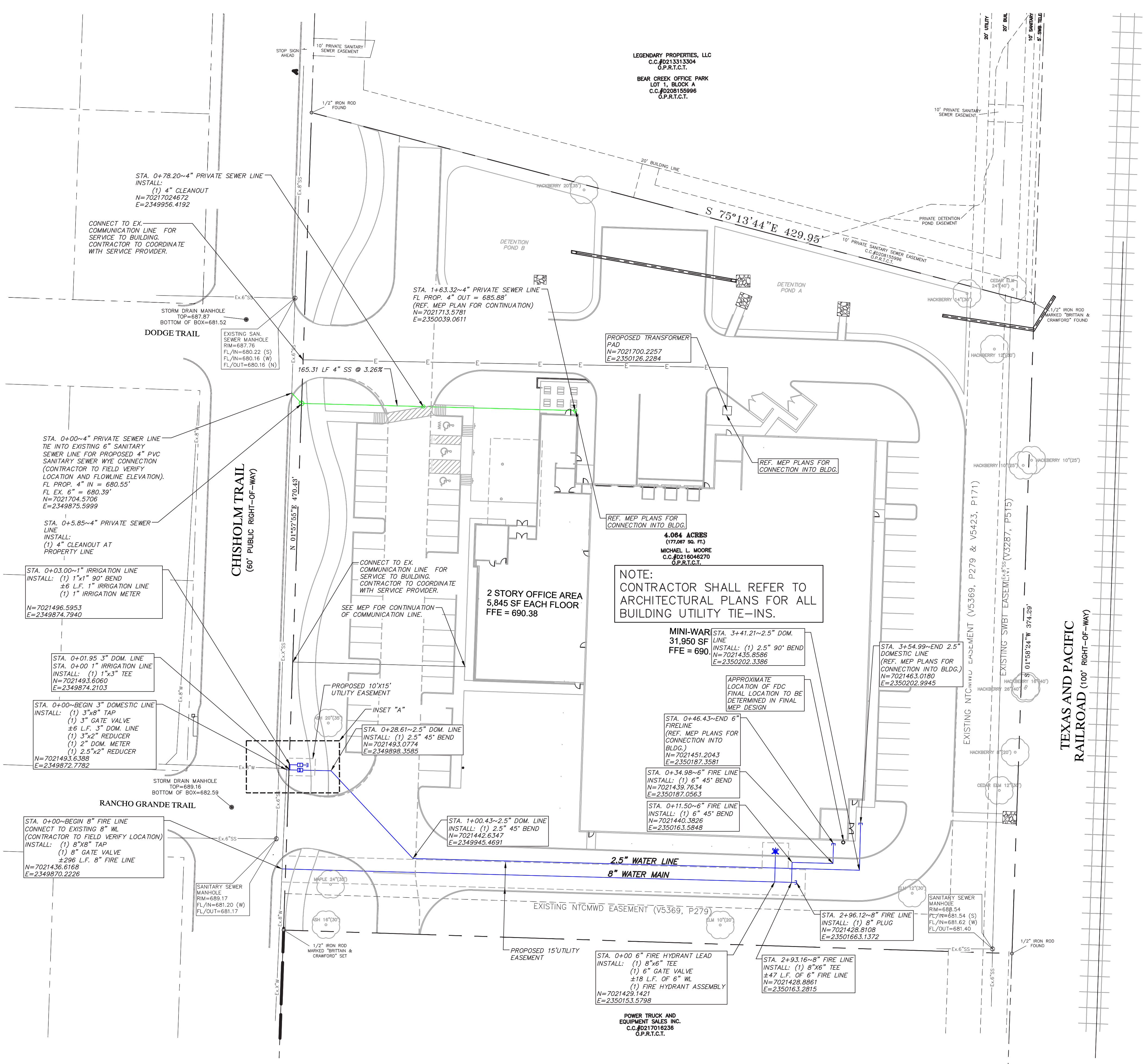
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PENGUIN PATCH
721 CHISHOLM TRAIL
KELLER, TX 76248

SITE, DIMENSION CONTROL
AND PAVING PLAN

DRAWN BY:	EG
DESIGNED BY:	QJF
CHECKED BY:	CW
PROJECT NO.	2022116
DATE:	6/14/2023
SHEET:	

PRELIMINARY UTILITY PLAN

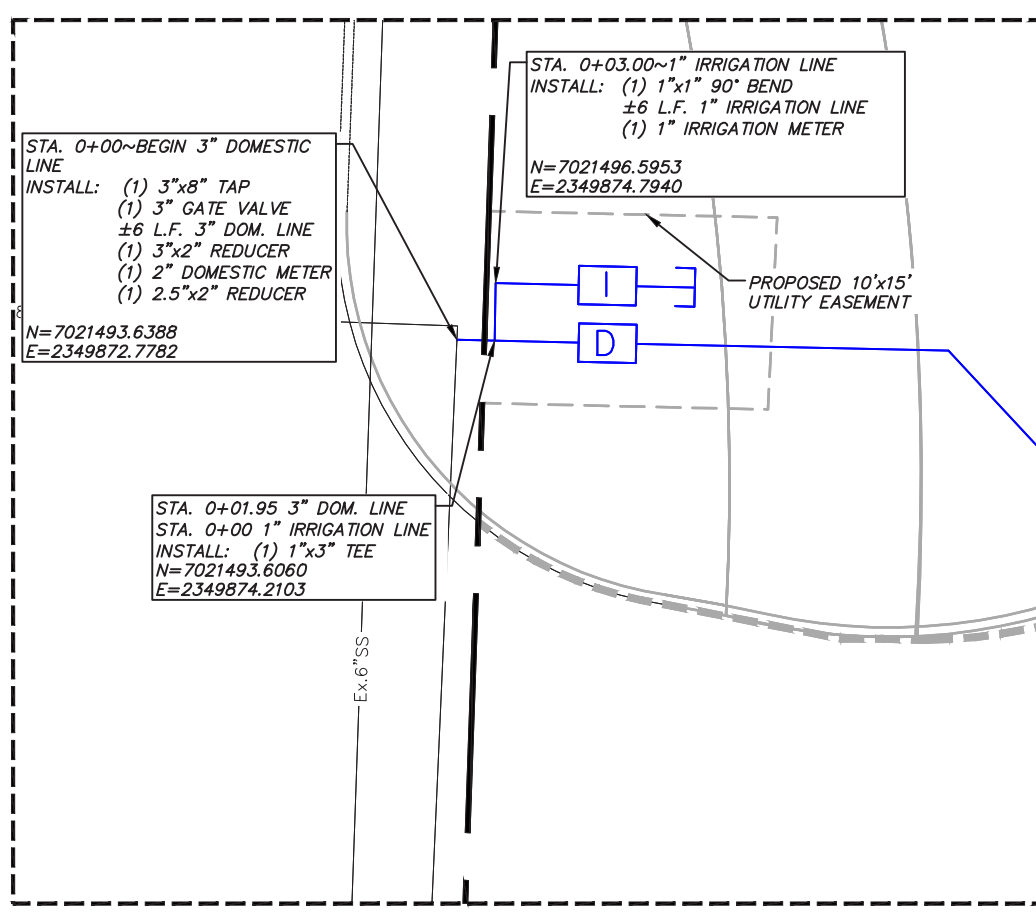


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811 or 1-800-545-6005 (TEXAS ONE)
1-800-669-8344 (LONESTAR NOTIFICATION)
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BENCHMARKS:
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E= 2349819.1700'
ELEV.= 688.74

NOTES:
BOX CUT ON CURB INLET WEST SIDE OF CHISHOLM TRAIL NORTH OF RANCHO GRANDE TRAIL



INSET "A"
1"=10'

LEGEND	
EXISTING SANITARY SEWER	Ex SS
EXISTING WATER	Ex W
EXISTING GAS	Ex GAS
PROPOSED FIRE HYDRANT	
EXISTING SS MANHOLE	
PROPOSED SANITARY SEWER	
PROPOSED WATER	
PROPOSED WATER VALVE	
PROPOSED LIGHT POLE	
PROPOSED IRRIGATION METER	
PROPOSED DOMESTIC METER	
PROPOSED DOUBLE CHECK DETECTOR ASSEMBLY	

REVISONS

NO.	DATE	COMMENTS
1	06.14.23	1st water main added to south of building. FFI and 6" fire line added to the main for connection

189E NO. F-12452

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PRELIMINARY UTILITY PLAN

DRAWN BY: EG

DESIGNED BY: QJF

CHECKED BY: CW

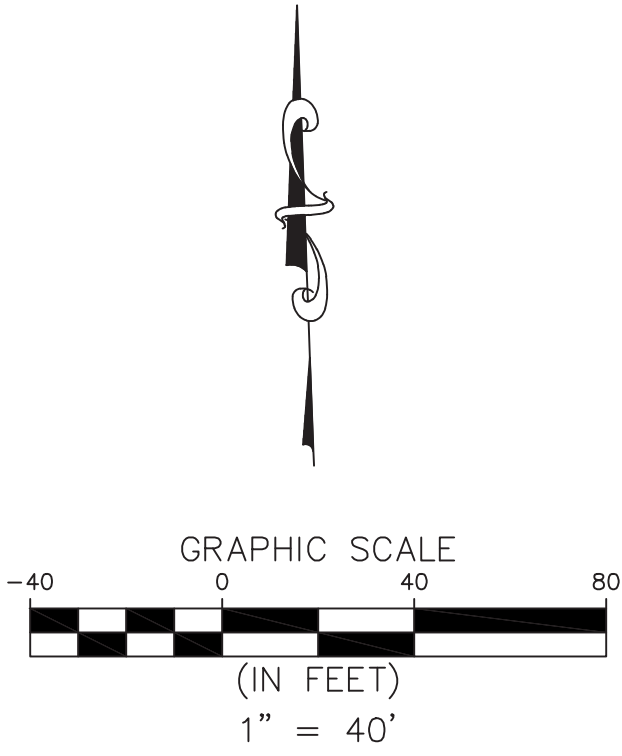
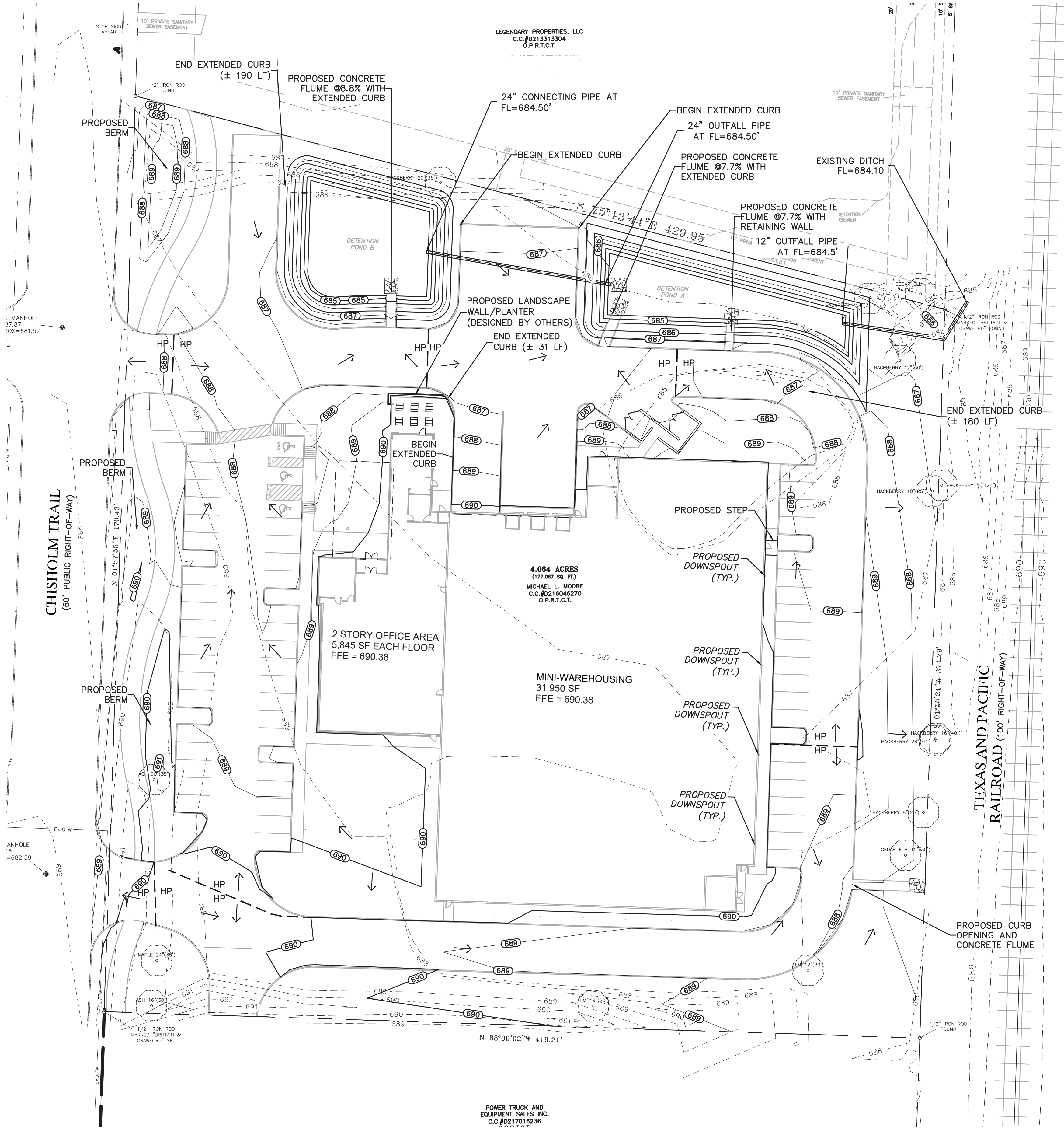
PROJECT NO. 2022116

DATE: 6/14/2023

SHEET: 2 OF 3

PENGUIN PATCH
721 CHISHOLM TRAIL
KELLER, TX 76248

PRELIMINARY GRADING AND DRAINAGE PLAN



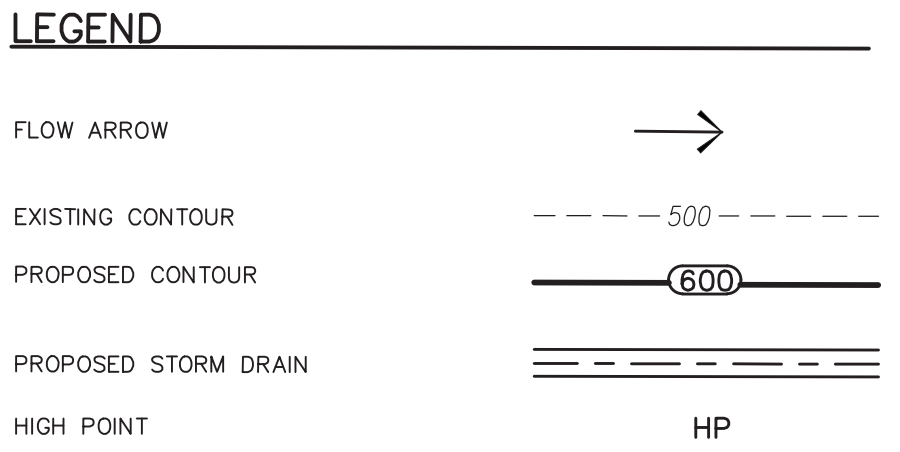
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NOTES:
BOX CUT ON CURB INLET WEST SIDE OF CHISHOLM TRAIL NORTH OF RANCHO GRANDE TRAIL



REVISIONS	
NO.	DATE
1	06.14.23
Grading updated based on site plan changes	

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PENGUIN PATCH
721 CHISHOLM TRAIL
KELLER, TX 76248

PRELIMINARY GRADING
AND DRAINAGE PLAN

DRAWN BY:	EG
DESIGNED BY:	QJF
CHECKED BY:	CW
PROJECT NO.	2022116
DATE:	6/14/2023
SHEET:	3 OF 3

LANDSCAPE PLAN

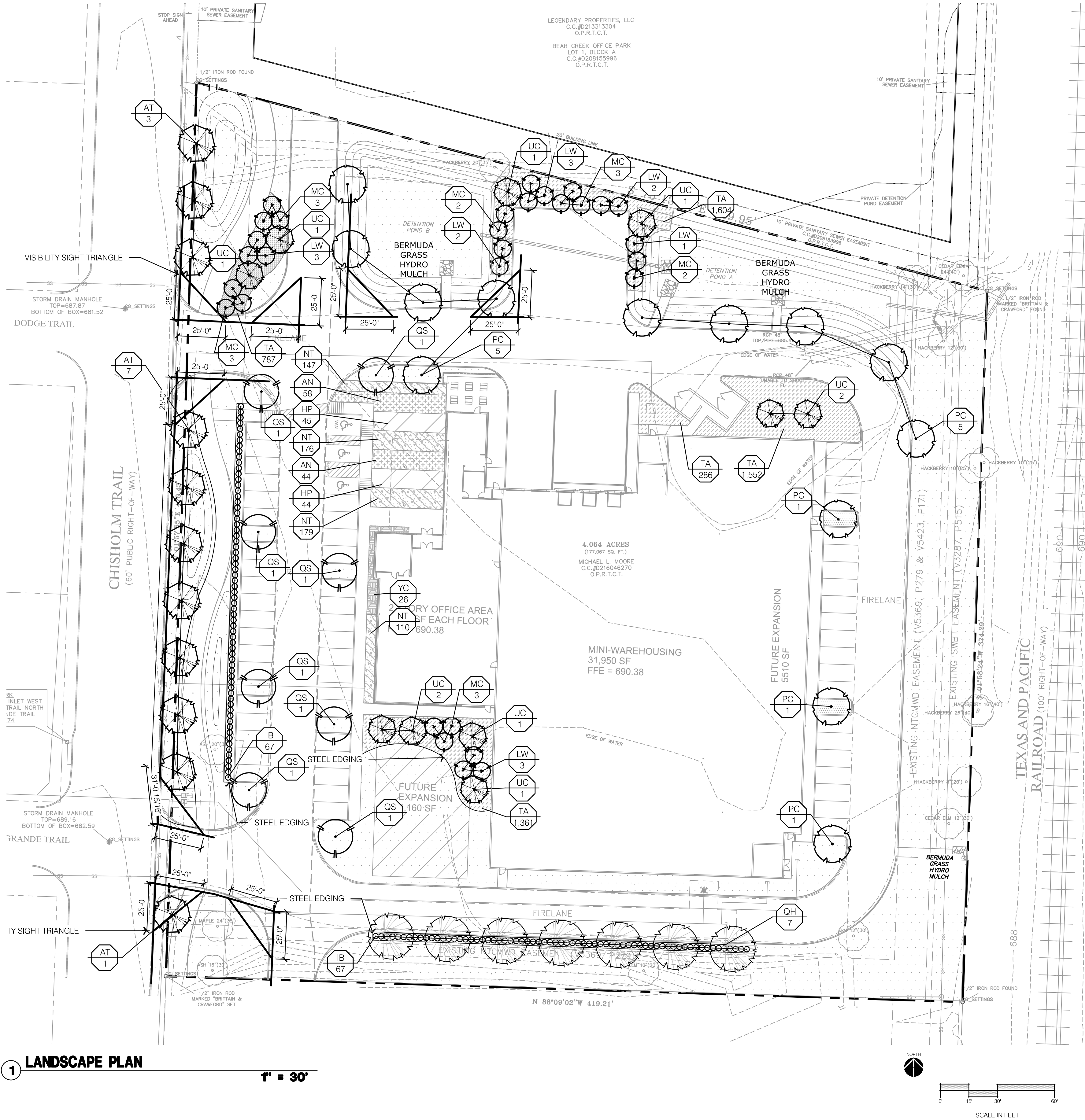
OVERSTORY SCHEDULE

TREES	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	PLNT. HT.	QTY	REMARKS
AT	ACER TRUNCATUM	SHANTUNG MAPLE	4" CAL.	B&B	9'-10" HT	11	SINGLE TRUNK, MATCHED; FULL
LW	LAGERSTROEMIA INDICA X FAURIEI	NATCHEZ CRAPE MYRTLE MULTI TRUNK	4-5" CAL.	B&B	12'	14	MULTI TRUNK, 3 CANE MIN.
MC	MYRTICA CERIFERA	WAX MYRTLE	4-5" CAL.	B&B	12'	16	MULTI TRUNK, 3 CANE MIN.
PC	PISTACIA CHINENSIS	CHINESE PISTACHE	4" CAL.	B&B	12'	13	SINGLE TRUNK, STRAIGHT
QS	QUERCUS SHUMARDII	SHUMARD OAK	4" CAL.	B&B	9'-10" HT	8	SINGLE TRUNK, STRAIGHT AND MATCHED
QH	QUERCUS VIRGINIANA 'OVATA'	HIGHRISE LIVE OAK	4" CAL.	B&B	9'-10" HT	7	SINGLE TRUNK, MATCHED
UC	ULMUS CRASSIFOLIA	CEDAR ELM	4" CAL.	B&B	9'-10" HT	10	SINGLE TRUNK

UNDERSTORY SCHEDULE

SHRUBS	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	PLNT. HT.	PLNT. SPL.	SPACING	QTY	REMARKS
IB	ILEX CORNUTA 'BURFORDII NANA'	DWARF BURFORD HOLLY	5 GAL.	CONT.	24" MIN. HT	18"	36" o.c.	134	FULL, 36" O.C.

GROUND COVERS	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	PLNT. HT.	PLNT. SPL.	SPACING	QTY	REMARKS
AN	AGAVE PARRYI NEOMEXICANA	NEW MEXICO AGAVE	5 GAL.	CONT.	12"	3'		102	FULL, HEALTHY
CD	CYNODON DACTYLON	BERMUDAGRASS	N/A					52,735 SF	HYDRO-MULCH (SEASONAL LIMITATIONS FOR APPLICATION)
HP	HESPERALOE PARVIFLORA	RED YUCCA	5 GAL.	CONT.	2-3'	2-3'	36" o.c.	89	FULL, HEALTHY
NT	NASSELLA TENUISSIMA	MEXICAN FEATHER GRASS	1 GAL.	CONT.	8"	18"	18" o.c.	612	FULL, HEALTHY
TA	TRACHELOSPERMUM ASIATICUM	ASIATIC JASMINE	1 GAL.	CONT.	6"	12"	14" o.c.	5,590	FULL, MIN. 3 RUNNERS, 18-INCHES LONG.
YC	YUCCA FILAMENTOSA 'COLOR GUARD'	COLOR GUARD ADAMS NEEDLE	5 GAL.	CONT.	12"	3'	36" o.c.	26	FULL, HEALTHY

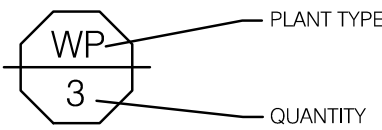


LANDSCAPE LEGEND:

- PROPERTY LINE
- EXISTING TREE
- DECIDUOUS SHADE TREE
- ORNAMENTAL TREE
- MULTI-TRUNK ORNAMENTAL TREE

LANDSCAPE GENERAL NOTES:

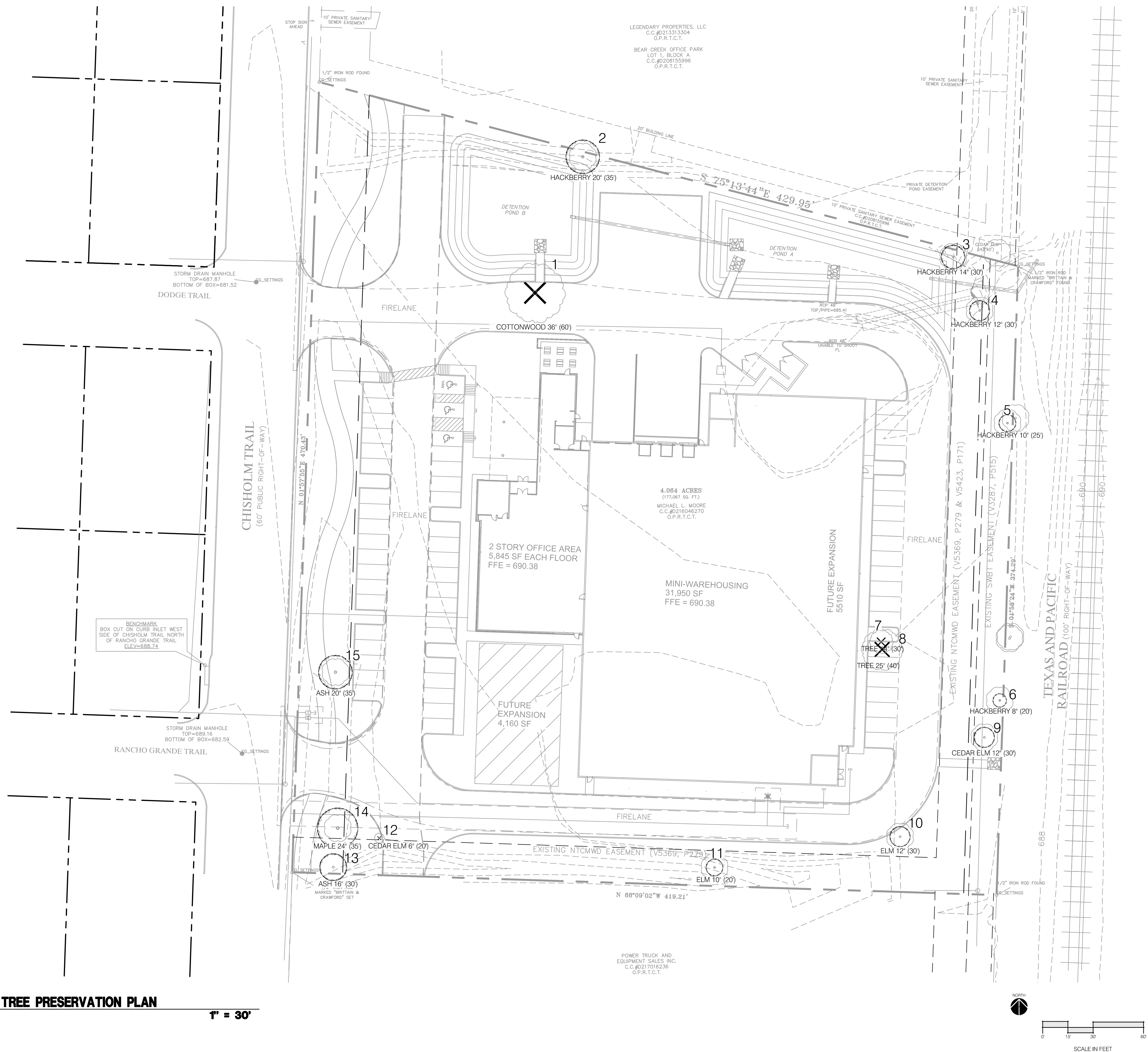
- THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO ALL APPLICABLE STANDARDS AND SPECIFICATIONS OF THE CITY OF KELLER, TEXAS IN CURRENT USAGE. ALL STANDARDS NOT COVERED BY THE CITY SHALL BE APWA STANDARDS IN CURRENT USAGE UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL EXISTING UTILITIES, DRAIN LINES AND IRRIGATION PIPING PRIOR TO COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES, DRAIN LINES AND IRRIGATION PIPING.
- CONTRACTOR SHALL VERIFY AND COORDINATE ALL FINAL GRADES WITH LANDSCAPE ARCHITECT PRIOR TO COMPLETION.
- DEBRIS SHALL NOT BE ALLOWED TO ACCUMULATE AND SHALL BE REMOVED AT FREQUENT INTERVALS. AT COMPLETION OF WORK IN EACH AREA, THE CONTRACTOR SHALL GATHER AND REMOVE ALL DEBRIS, EQUIPMENT, AND EXCESS MATERIAL FROM THAT AREA. AT FINAL COMPLETION OF ALL WORK HE SHALL REMOVE ALL SUCH ITEMS FROM THE PREMISES.
- LOCATION AND PLACEMENT OF ALL PLANT MATERIAL SHALL BE COORDINATED WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- THE LANDSCAPE PLANTING, PLAN GRAPHICALLY ILLUSTRATES OVERALL PLANT MASSINGS. EACH PLANT SPECIES SHALL BE PLACED IN THE FIELD TO UTILIZE THE GREATEST COVERAGE OF THE GROUND PLANE. THE FOLLOWING APPLIES FOR INDIVIDUAL PLANTINGS:
 - ALL EVERGREEN SHRUBS AND CREEPING GROUNDCOVERS SHALL BE MINIMUM OF 2' FROM ANY PAVING EDGE.
 - ALL PLANTS OF THE SAME SPECIES SHALL BE EQUALLY SPACED AND SITED FOR THE BEST AESTHETIC VIEWING.
 - ALL TREES, EVERGREEN OR DECIDUOUS, SHALL BE A MINIMUM OF 4' FROM ANY PAVING EDGE.
- ANY SUBSTITUTION OF SPECIFIED PLANT MATERIAL WILL NOT BE ALLOWED WITHOUT WRITTEN AUTHORIZATION FROM LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- MULCH ALL PLANTING AREAS TO A DEPTH OF 3" DEPTH ACCORDING TO PLANS AND SPECIFICATIONS. SAMPLES SHALL BE APPROVED BY LANDSCAPE ARCHITECT.
- ALL PLANT MATERIAL WILL BE HEALTHY, VIGOROUS AND FREE OF DISEASE AND INSECTS PER AAN STANDARDS. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY INFERIOR OR OTHERWISE UNSUITABLE PLANT MATERIAL PROPOSED FOR USE ON THE PROJECT.
- ALL PLANTING BEDS NOT FULLY CONTAINED BY CONCRETE CURBS OR WALKS SHALL BE EDGED ACCORDING TO PLANS AND SPECIFICATIONS.
- PLANTS AND LANDSCAPE MATERIALS SHALL BE INSTALLED AS DETAILED ON PLANS.
- PLANT BACKFILL FOR TREES AND SHRUBS SHALL BE PER SPECIFICATIONS.
- ALL PLANTING BEDS SHALL BE TREATED WITH DACTHAL PRE-EMERGENT HERBICIDE AT MANUFACTURER RECOMMENDED RATES AND SHALL BE COVERED WITH SPECIFIED MULCH APPLICATION. APPLY LIGHTER APPLICATION OF DACTHAL HERBICIDE TO TOP OF MULCH LAYER.
- ALL AREAS DISTURBED DURING CONSTRUCTION THAT ARE NOT DESIGNATED AS PLANTING BEDS OR PAVEMENT AREAS SHALL BE SEEDED WITH A TURF TYPE TALL FESCUE PER SPECIFICATIONS.
- ALL PLANT MATERIAL SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER OWNER'S FINAL ACCEPTANCE OF FINISHED JOB. ALL DEAD AND DAMAGED PLANT MATERIAL SHALL BE REPLACED BY LANDSCAPE CONTRACTOR AT THEIR EXPENSE. LANDSCAPE CONTRACTOR SHALL MAINTAIN PLANT MATERIAL UNTIL FINAL ACCEPTANCE.
- ALL LANDSCAPE BEDS SHALL BE MOUNDED AS SHOWN ON PLANS AND DETAILS.
- LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ACTUAL PLANT QUANTITIES REQUIRED TO COMPLETE THE PROJECT AS SHOWN ON THE PLANS, AND BASE THEIR BID ACCORDINGLY.
- PLANT KEY DESCRIPTION.



AERIAL OVERLAY



TREE SURVEY/PRESERVATION PLAN



TREE DISPOSITION LEGEND:

- | RIGHT OF WAY / PROPERTY LINE | |
|---|--|
|  | EXISTING DECIDUOUS VEGETATION TO REMAIN (TREE & LARGE SHRUBS) |
|  | TREE PROTECTION FENCING; REF: 1/L101 |
|  | EXISTING DECIDUOUS VEGETATION TO BE REMOVED (TREES & LARGE SHRUBS) |

TREE DISPOSITION NOTES:

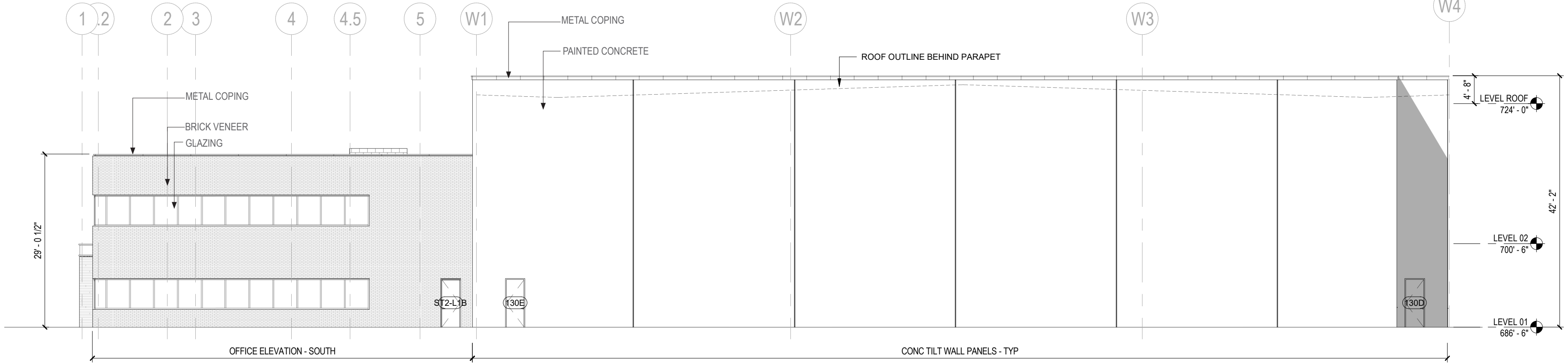
- CONTRACTOR TO PRESERVE ALL SURVEY CONTROL.
- CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, SIGNING, BARRICADES, ENCLOSURES, ETC., TO THE BEST PRACTICES AND APPROVED BY THE CITY OF KELLER, TEXAS.
2. CONTINUOUS ACCESS SHALL BE MAINTAINED FOR THE EXISTING PROPERTY AT ALL TIMES DURING DEMOLITION OF THE EXISTING FACILITIES.
3. DAMAGE TO ALL EXISTING CONDITIONS TO REMAIN WILL BE REPLACED AT CONTRACTOR'S EXPENSE.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND CONSTRUCTION OF PROJECT.
5. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE SITE AND DISPOSING THE DEBRIS IN A LAWFUL MANNER. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL.
6. DO NOT DISRUPT UTILITY SERVICE TO ADJACENT BUSINESSES OR RESIDENCES WITHOUT PRIOR WRITTEN APPROVAL BY THE ENGINEER.
7. DO NOT DISRUPT TRAFFIC ON ADJACENT PUBLIC STREETS WITHOUT PRIOR WRITTEN APPROVAL BY THE CITY.
8. REMOVAL AND DISPOSAL OF BUSHES & TREES SMALLER THAN 12" IN DIAMETER WILL BE CONSIDERED SUBSIDIARY TO THE PRICE BID FOR "CLEARING AND GRUBBING".
9. ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED BY INSTALLING PROTECTIVE BARRIERS AT THE DRIP LINE OF TREES. THE PROTECTIVE BARRIERS SHALL BE SEEN EASILY BY OPERATORS OF TRUCKS AND OTHER EQUIPMENT. PROTECTIVE BARRIERS SHALL BE CONSTRUCTED OF STURDY MATERIALS (NOT FLAGGING OR RIBBONS) AND SHALL BE INSTALLED PRIOR TO AND MAINTENANCE THROUGHOUT CONSTRUCTION AND/OR LAND DEVELOPMENT.
- 9.1. DO NOT STORE OR USE MATERIALS OR EQUIPMENT WITHIN THE DRIP LINE OF ANY TREE TO BE RELOCATED ON SITE UNLESS THE ACTIVITY IS BEING DONE TO PROTECT TREES.
- 9.2. DO NOT DISCHARGE OR CONTAMINATE THE SOIL WITHIN THE DRIP LINE OF ANY TREE TO BE RELOCATED ON SITE WITH ANY CONSTRUCTION MATERIALS SUCH AS PAINT, OIL, SOLVENTS, PETROLEUM PRODUCTS, ASPHALT, CONCRETE, MORTAR, OR OTHER MATERIALS THAT MAY CAUSE ADVERSE IMPACTS.
- 9.3. CLEARING OF VEGETATION WITHIN THE DRIP LINE OF TREES DESIGNATED FOR PRESERVATION SHALL ONLY BE BY HAND OR LIGHT RUBBER WHEELED EQUIPMENT THAT WILL NOT DAMAGE TREE ROOTS.
- 9.4. MAKE NO ATTACHMENTS, OTHER THAN THOSE OF A PROTECTIVE AND NON-DAMAGING NATURE, TO ANY TREE TO BE RETAINED ON THE SITE.
- 9.5. DO NOT CHANGE THE NATURAL GRADE ABOVE THE ROOT SYSTEM WITHIN THE DRIP LINE OF ANY TREE TO BE RETAINED ON SITE UNLESS IT CAN BE DEMONSTRATED TO THE CITY THAT IT WILL NOT DAMAGE THE TREE.
- 9.6. AVOID ANY ENCROACHMENTS, EXCAVATIONS OR SEVERE GRADE CHANGES WITHIN THE DRIP LINE OF PRESERVED TREES THAT WILL IMPACT ANY TREE SCHEDULE TO REMAIN.
10. CONTRACTOR SHALL FOLLOW THE AMERICAN STANDARD FOR TREE CARE OPERATIONS - TREE, SHRUB AND OTHER WOODY PLANT MAINTENANCE - STANDARD PRACTICES: (TRANSPLANTING ANSI A300(PART 6)-2005 MUST BE ADHERED TO IN ITS ENTIRETY FOR ALL RELOCATING/TRANSPLANTING OF TREES AND SHRUBS, ANSI A300 (PART 6)-2005 INCLUDES THE FOLLOWING: 60-TRANSPLANTING STANDARDS, 61-NORMATIVE REFERENCES, 62-DEFINITIONS, 63-TRANSPLANTING PRACTICES.

TREE NUMBER	TREE TYPE	CALIPER	HEIGHT	STATUS
1	COTTONWOOD	36"	60'	REMOVED
2	HACKBERRY	20"	35'	SAVED
3	HACKBERRY	14"	30'	SAVED
4	HACKBERRY	12"	30'	SAVED
5	HACKBERRY	10"	25'	SAVED
6	HACKBERRY	10"	25'	SAVED
7	TREE	14"	30'	REMOVED
8	TREE	25"	40'	REMOVED
9	CEDAR ELM	12"	30'	SAVED
10	ELM	12"	30'	SAVED
11	ELM	10"	20'	SAVED
12	CEDAR ELM	6"	20'	REMOVED
13	ASH	16"	30'	SAVED
14	MAPLE	24"	35'	SAVED
15	ASH	20"	35'	SAVED
TOTAL REMOVED:		71"		
TOTAL SAVED:		160"		

ELEVATIONS

SOUTH ELEVATION MATERIAL PERCENTAGE

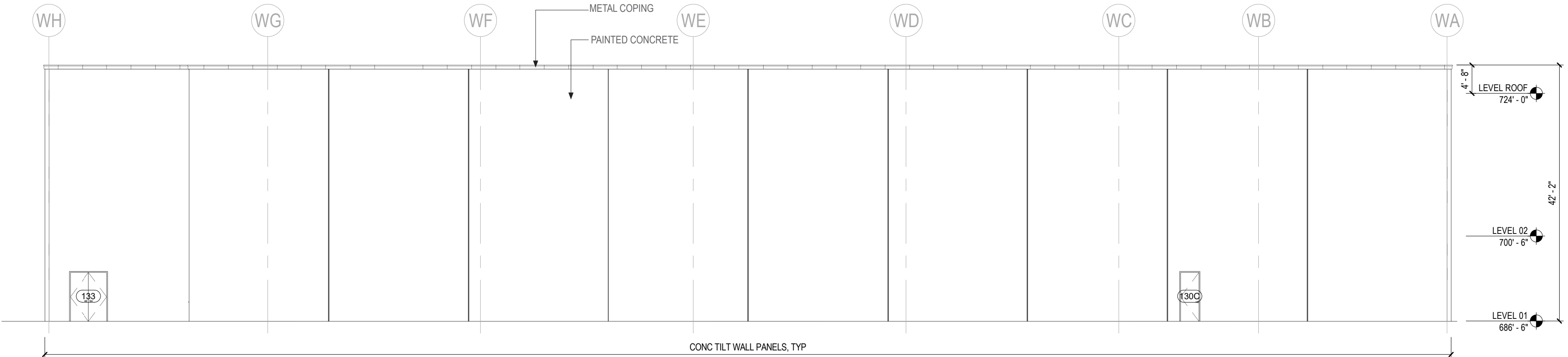
78% CONCRETE TILT WALL
21% BRICK VENEER
1% STONE VENEER (SLATE)



4 SOUTH ELEVATION
SCALE: 3/32" = 1'-0" REF: 1 / A1.101

EAST ELEVATION MATERIAL PERCENTAGE

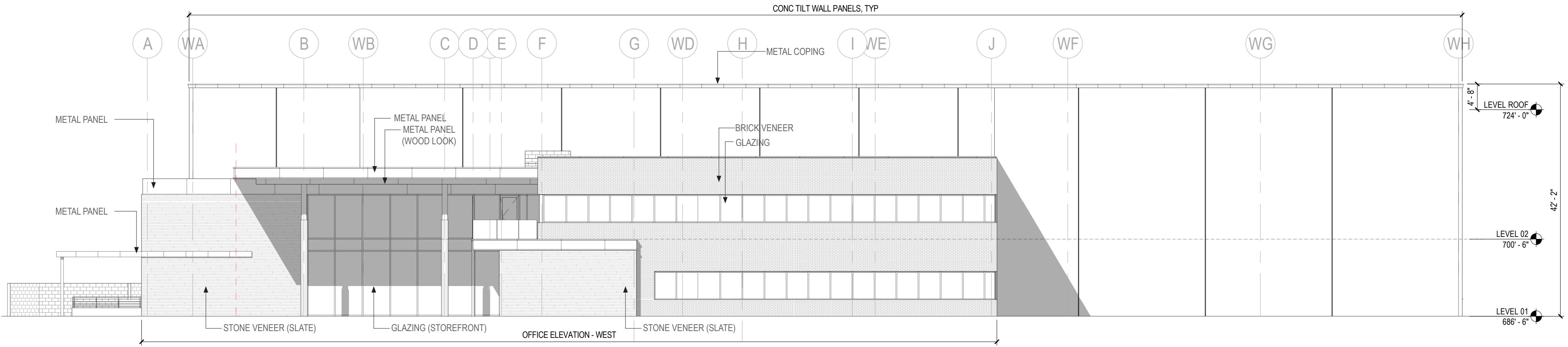
100% CONCRETE TILT WALL



3 EAST ELEVATION
SCALE: 3/32" = 1'-0" REF: /

WEST ELEVATION MATERIAL PERCENTAGE

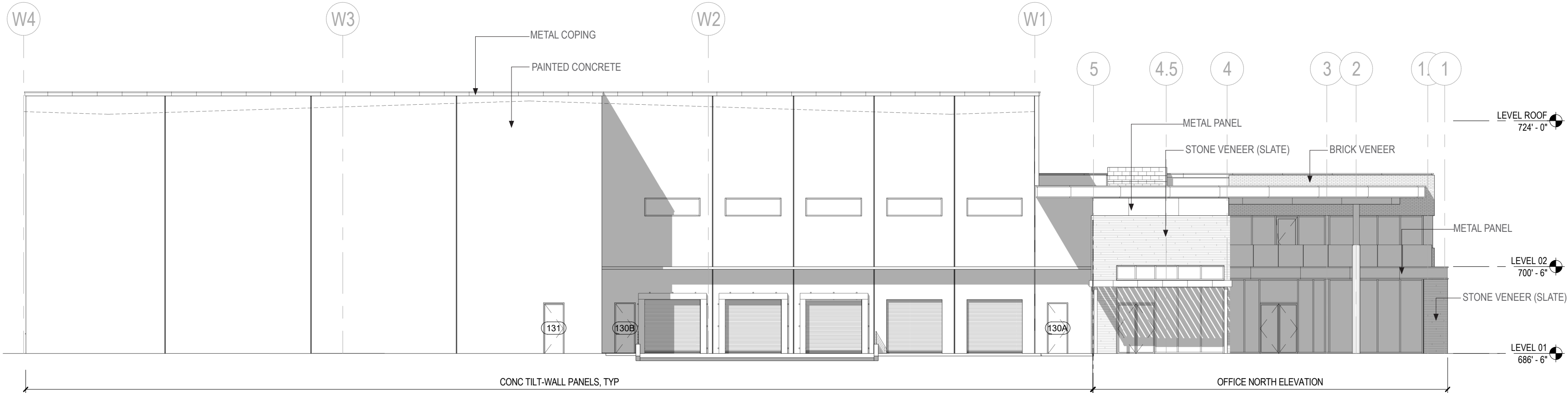
56% CONCRETE TILT WALL
22% BRICK VENEER
9% STONE VENEER (SLATE)



2 WEST ELEVATION
SCALE: 3/32" = 1'-0" REF: 1 / A1.101

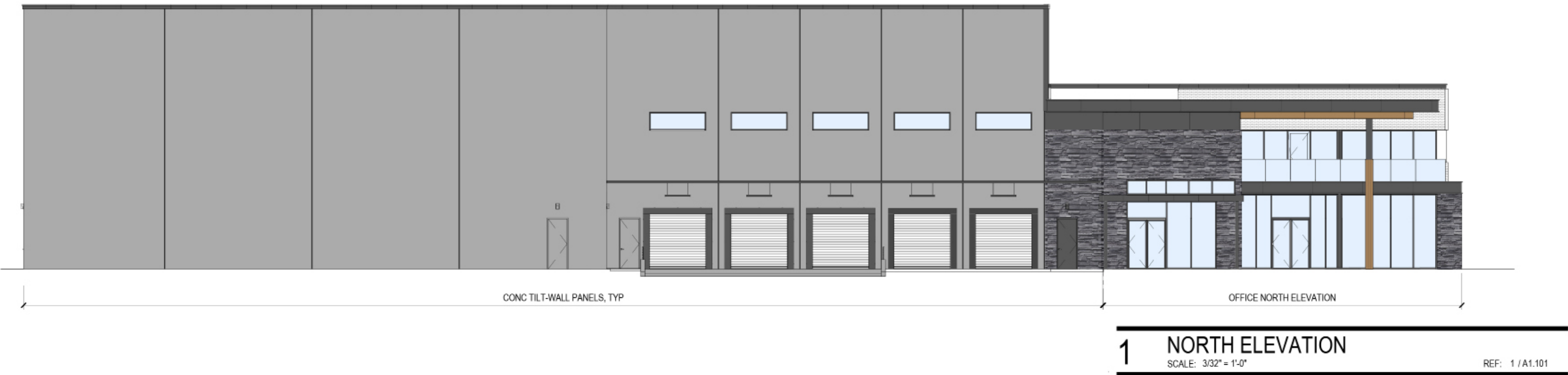
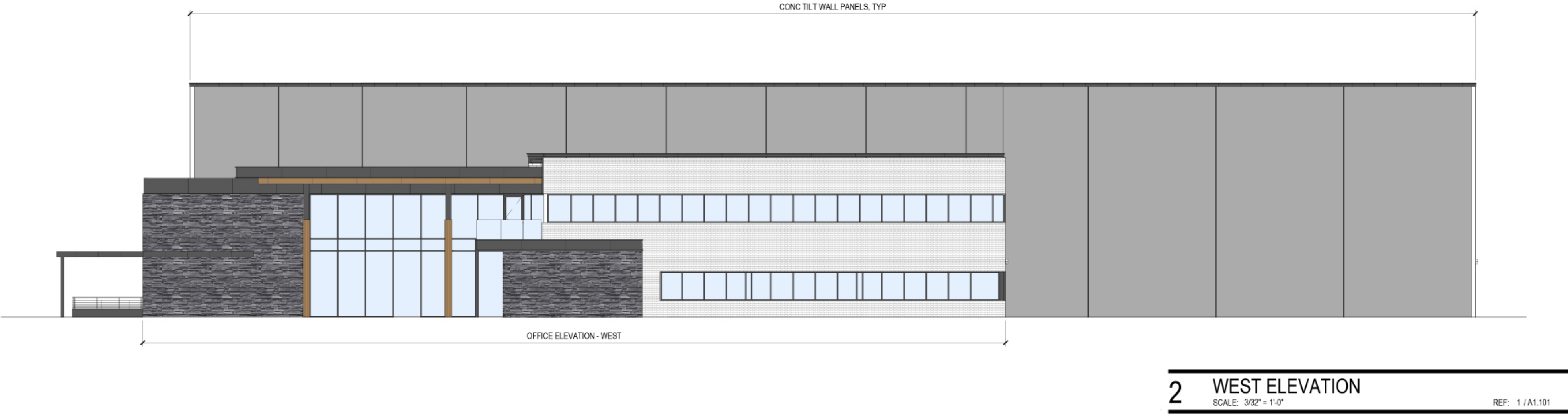
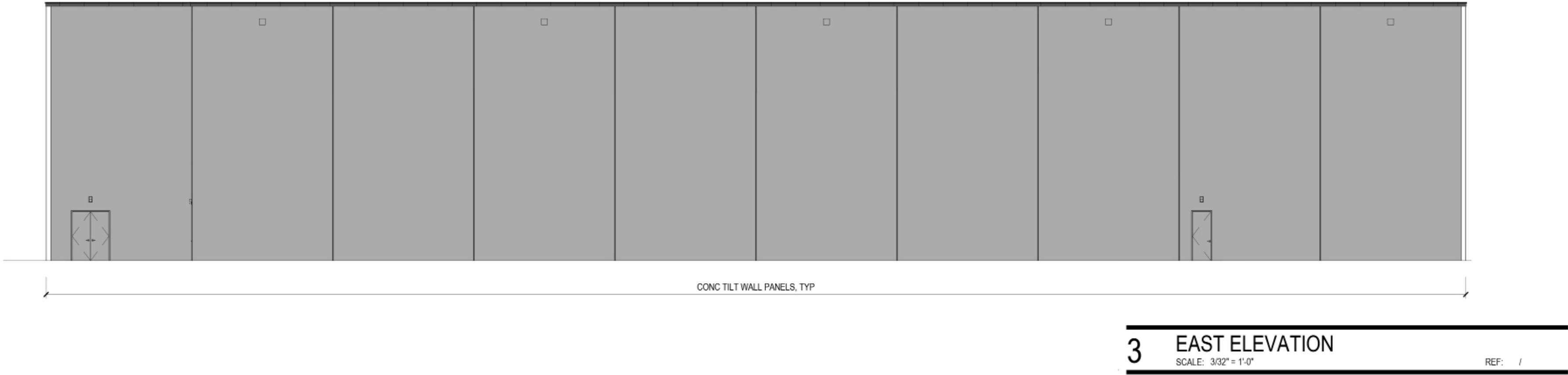
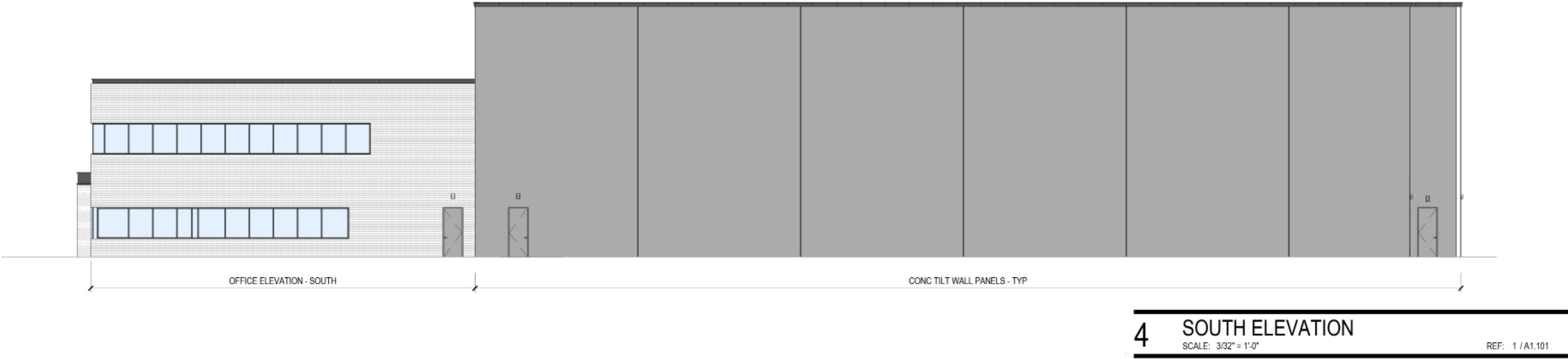
NORTH ELEVATION MATERIAL PERCENTAGE

79% CONCRETE TILT WALL
3% BRICK VENEER
8% STONE VENEER (SLATE)

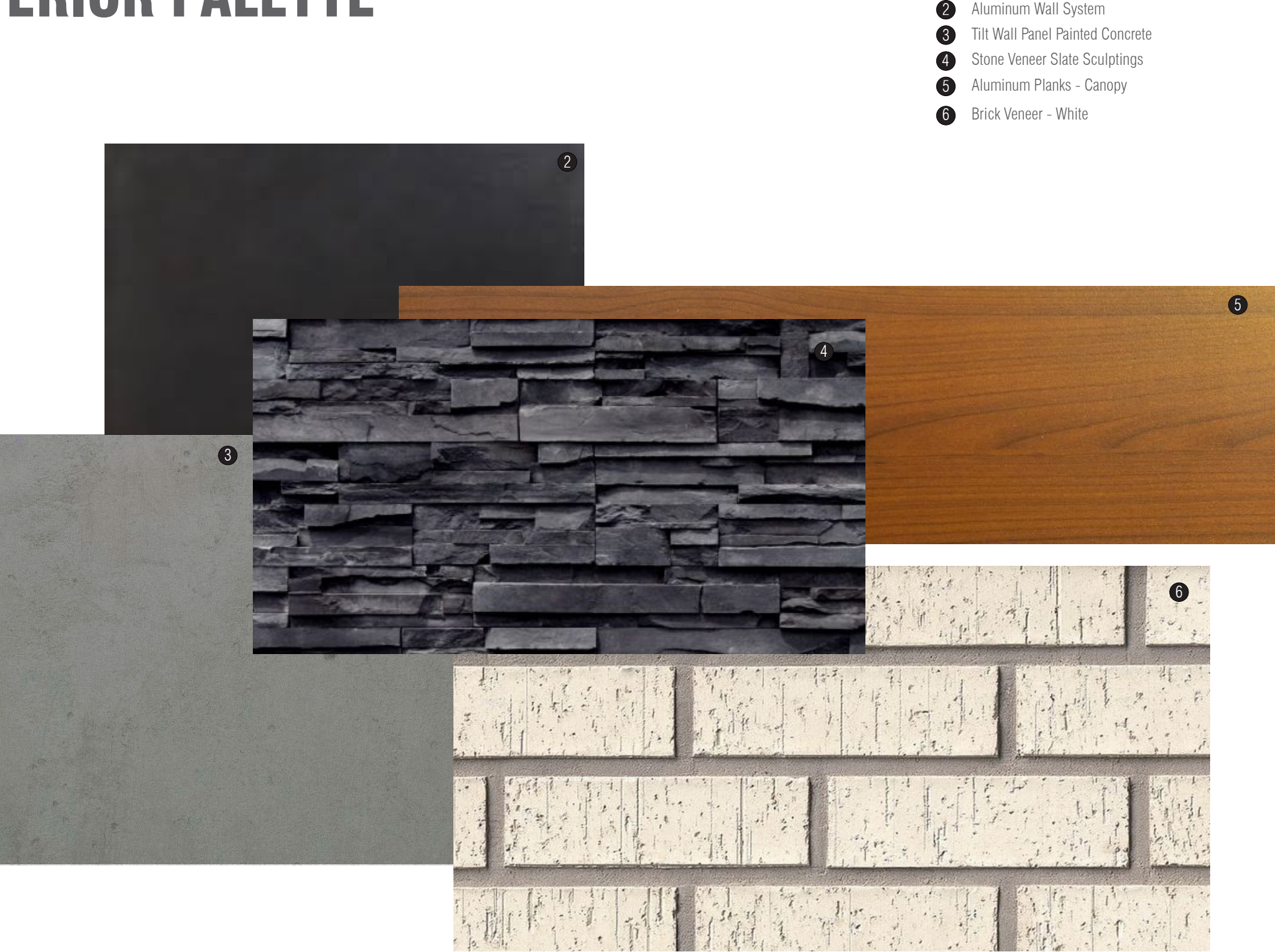


1 NORTH ELEVATION
SCALE: 3/32" = 1'-0" REF: 1 / A1.101

RENDERED ELEVATIONS

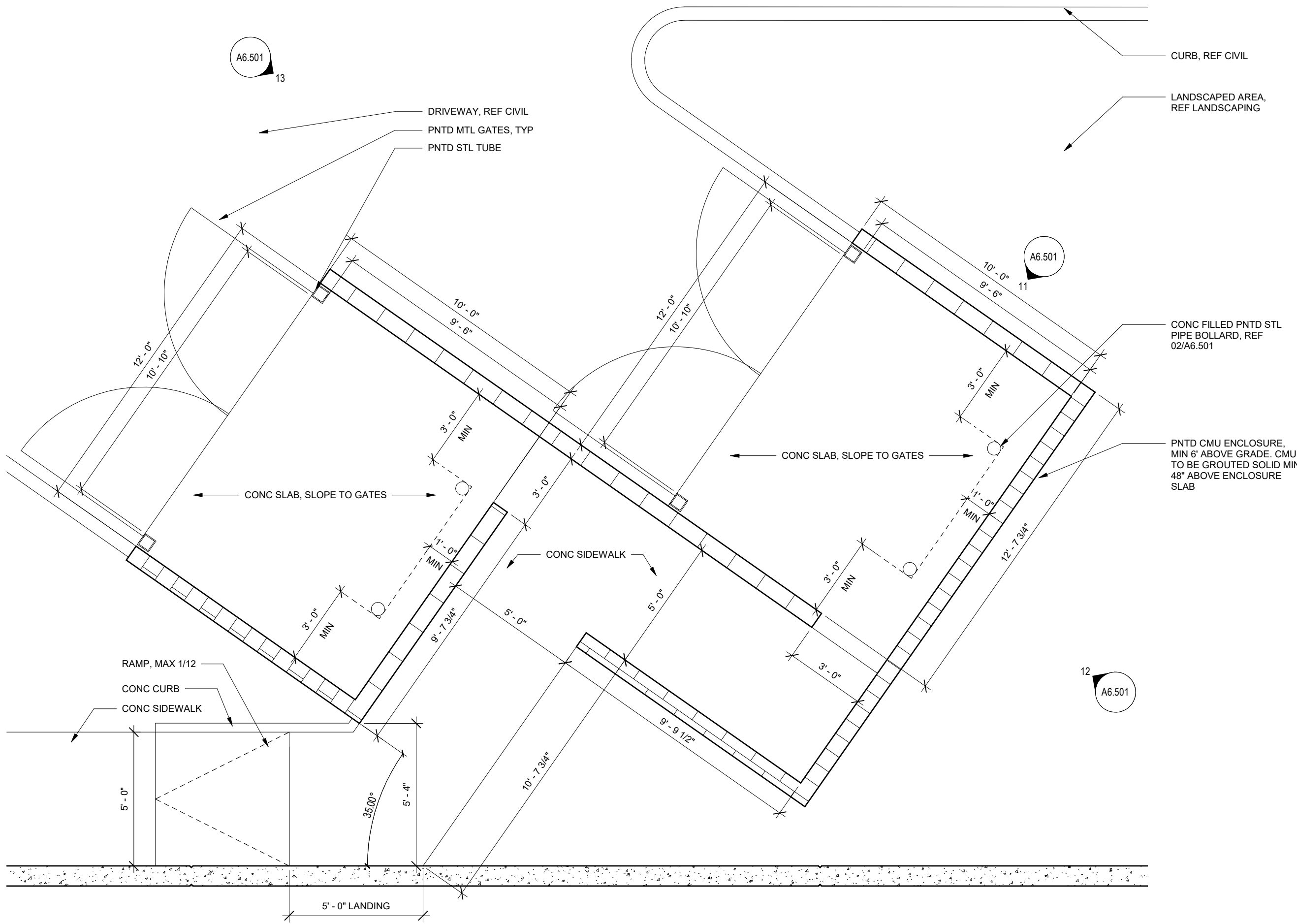


EXTERIOR PALETTE

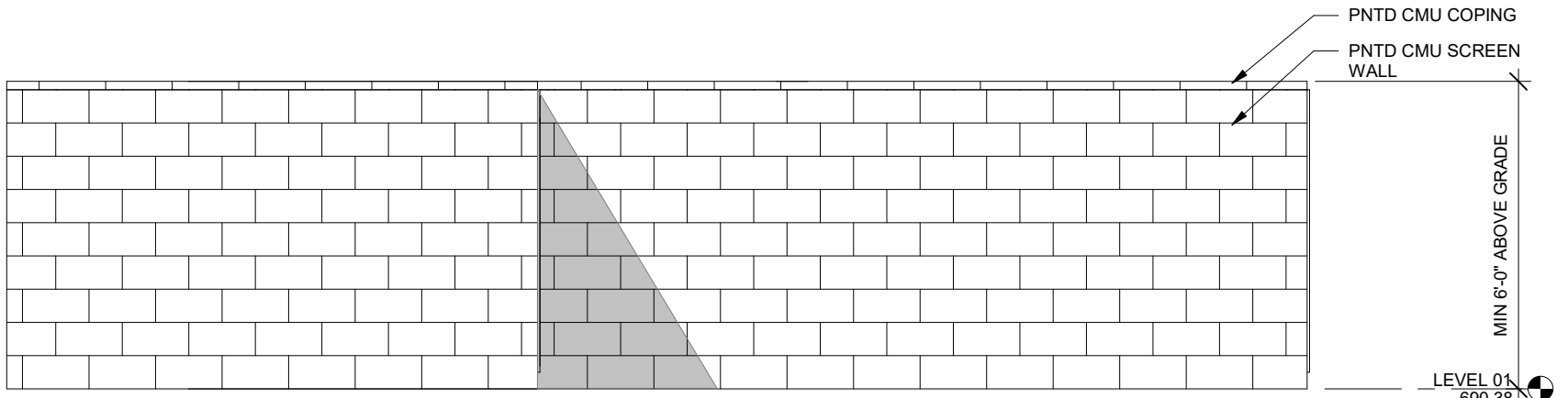


- 1 Aluminum Wall System
- 2 Tilt Wall Panel Painted Concrete
- 3 Stone Veneer Slate Sculptings
- 4 Aluminum Planks - Canopy
- 5 Brick Veneer - White
- 6 Brick Veneer - White

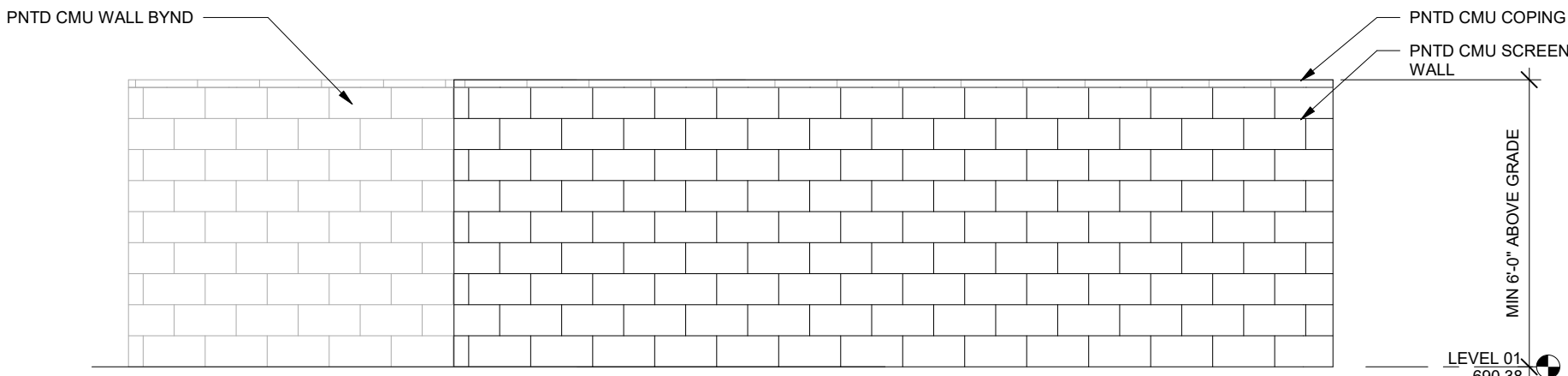
DUMPSTER ENCLOSURE



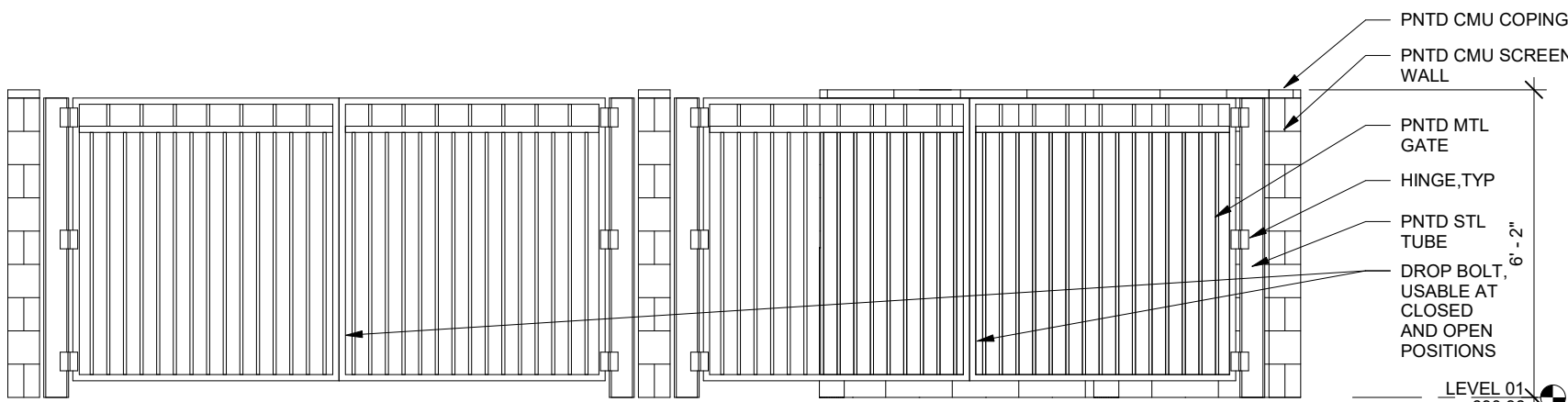
10 SITE - DUMPSTER ENCLOSURE
SCALE: 3/8" = 1'-0"



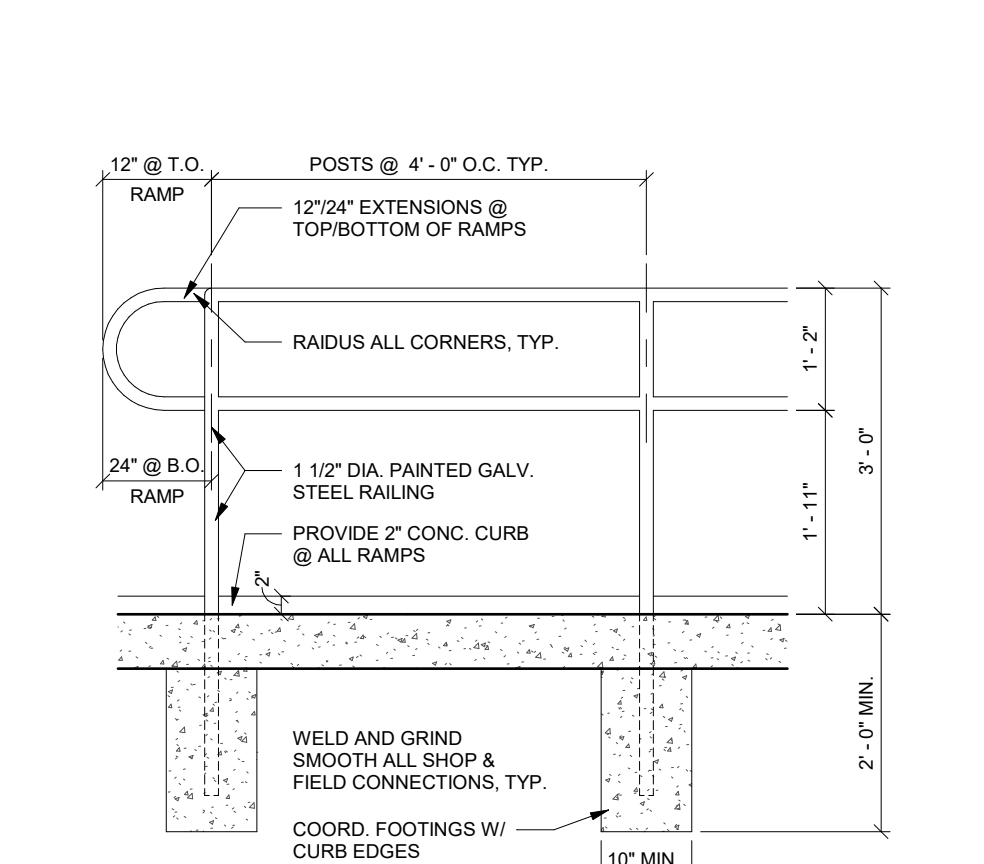
11 SCREEN WALL - NE ELEVATION
SCALE: 3/8" = 1'-0"



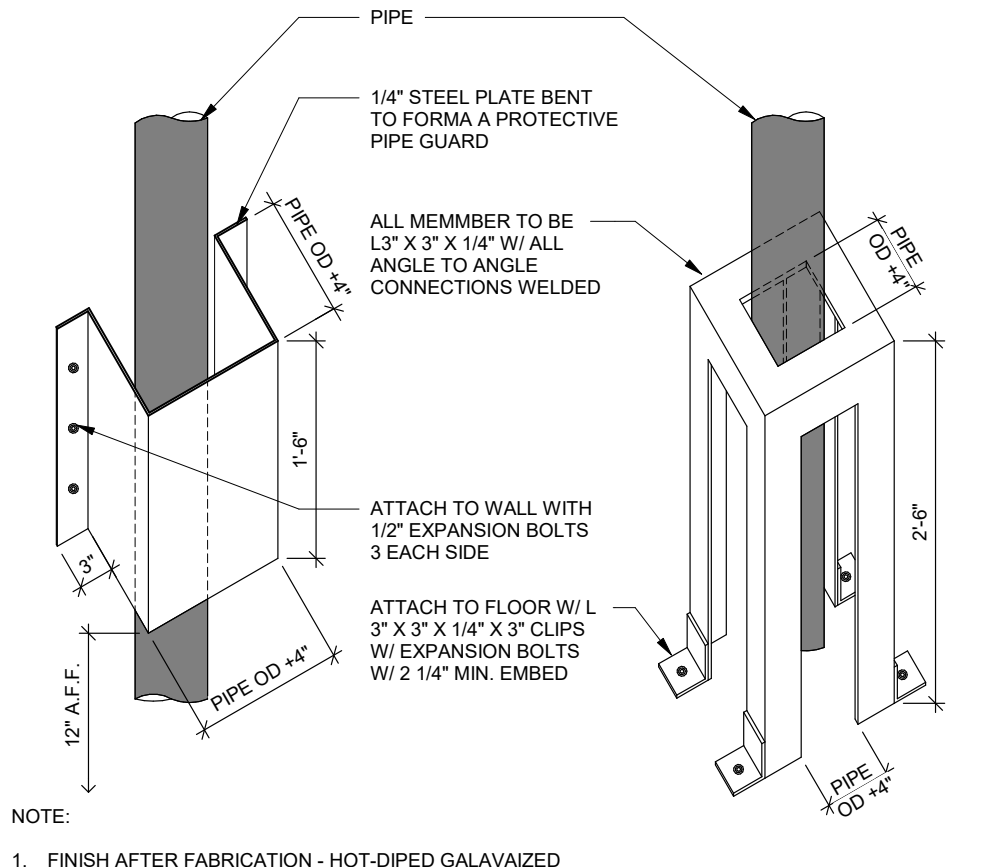
12 SCREEN WALL - SE ELEVATION
SCALE: 3/8" = 1'-0"



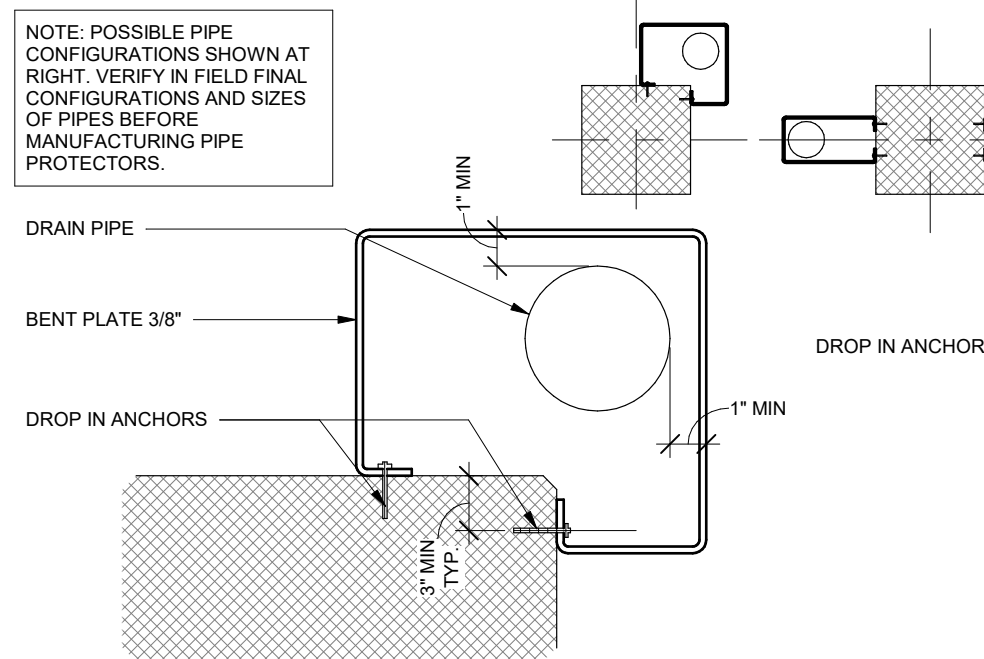
13 SCREEN WALL - NW ELEVATION
SCALE: 3/8" = 1'-0"



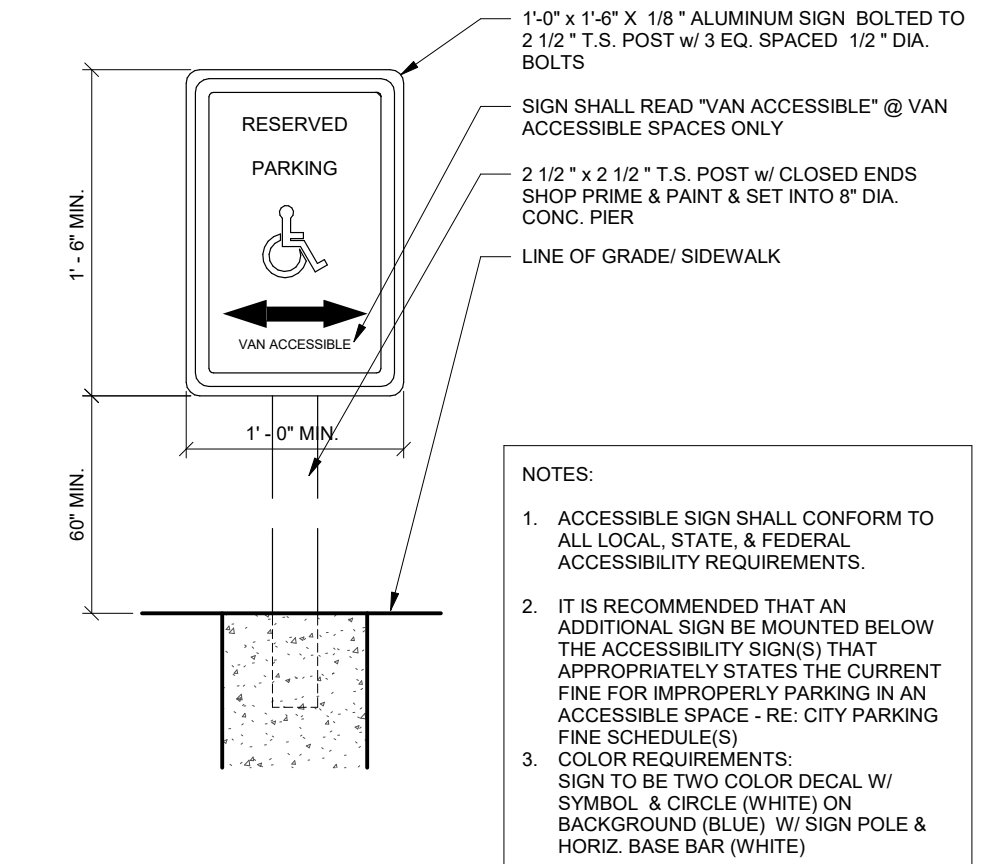
05 DETAIL - SITE STEEL HANDRAIL
SCALE: 3/4" = 1'-0"



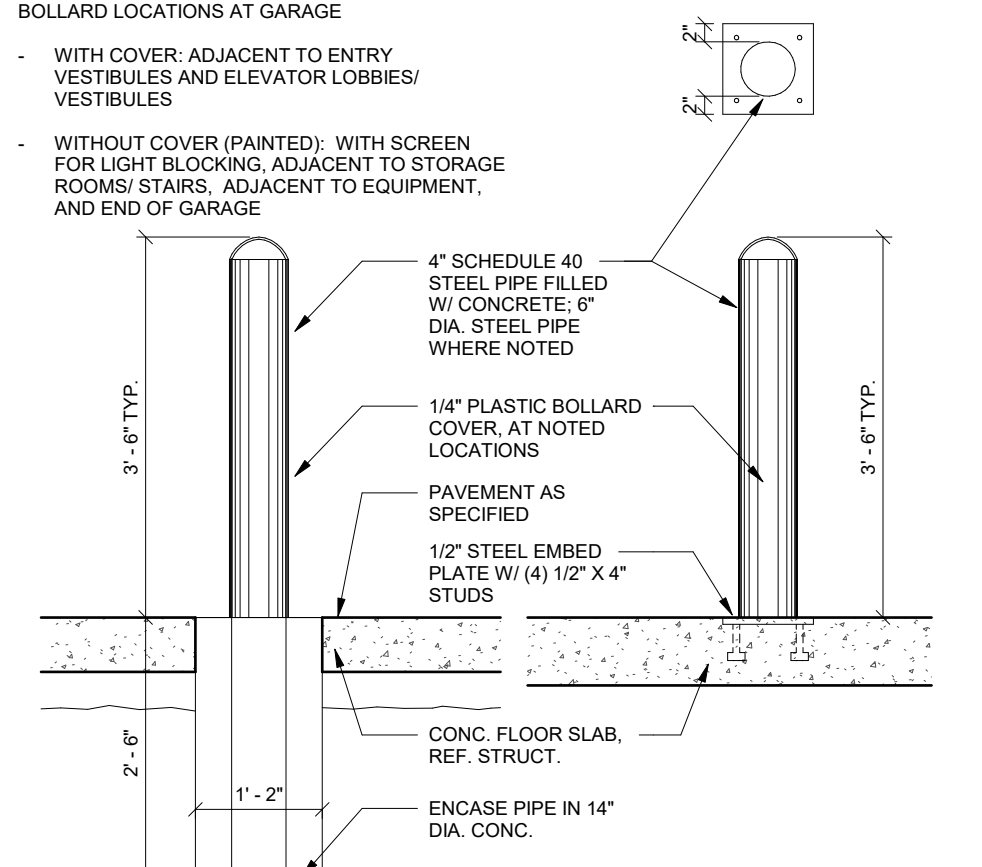
06 DETAIL - SITE PIPE GUARD
SCALE: 1" = 1'-0"



07 DETAIL - PIPE PROTECTION
SCALE: 1 1/2" = 1'-0"



01 DETAIL - SITE HC SIGN
SCALE: 1 1/2" = 1'-0"



02 DETAIL - SITE BOLLARD
SCALE: 3/4" = 1'-0"

BB House LLC

721 CHISOLM TRAIL
KELLER, TX 75248

M3STUDIO
ARCHITECTURE + DESIGN

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Civil Engineering + Planning

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CIVIL ENGINEER

olsson studio

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Suite 100
Plano, TX 75024
United States
Tel (817) 259-2700

LANDSCAPE

FAKOPFKE

722 N. Fielder Road
Arlington, TX 76012
United States
Tel (817) 261-8300

STRUCTURAL ENGINEER

V3 CONSULTING
ENGINEERS
VIGILANT - VIABLE - VIRTUOUS

9125 Loma Vista Drive
Dallas, TX 75243
United States
Tel (972) 643-8814

MEP ENGINEER

NEXGEN
LIGHTING SOLUTIONS

1740 Trinity Valley Drive
Carrollton, TX 75006
United States
Tel (214) 247-7415

LIGHTING

NOVOM
GROUP

13154 Coll Rd Suite 216
Dallas, TX 75240
United States
Tel (817) 709-5578

△ Date Description

LOW VOLTAGE

2023-03-05 DESIGN DEVELOPMENT

Seal / Signature

02/16/23

Project Name

PENGUIN PATCH -
ARCHITECTURAL

Project Number

225013

Description

SITE & FLATWORK DETAILS

Scale

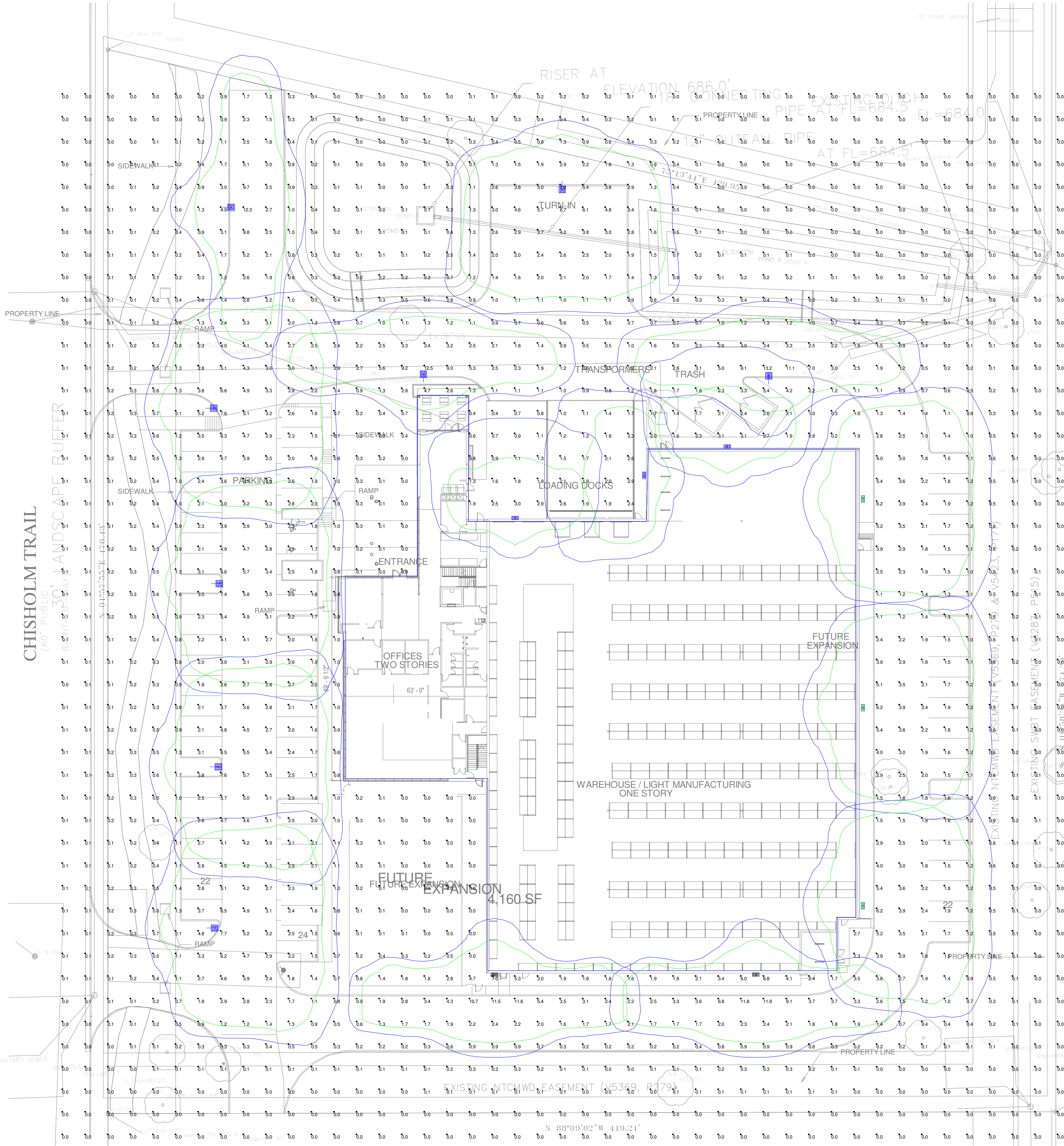
As indicated

A6.501

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PHOTOMETRIC PLANS



Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
SITE CALCS @ GRADE	Illuminance	Fc	1.16	13.2	0.0	N.A.	N.A.

Luminaire Schedule							
Symbol	Qty	Label	Arr	LLF	Description	Mtg Ht	Watts
	5	N1	SINGLE	0.950	NV-1-T4-48L-1-40K-SINGLE	20	156
	3	N1A	SINGLE	0.950	NV-1-T2-32L-1-40K-SINGLE	20	106
	3	W	SINGLE	0.950	NV-W-T4-16L-1-40K-WALL	18	56
	3	W1	SINGLE	0.950	NV-W2-T4-64L-7-40K7-WALL	20	136
	2	W2	SINGLE	0.950	NV-W2-T2-64L-7-40K-WALL	20	136

NEXGEN LIGHTING
PENGUIN PATCH
DATE: 04/10/23

NLS
LIGHTING

AREA, SITE & ROADWAY

FORM AND FUNCTION

- Sleek, low profile housing
- Spec grade performance
- Engineered for optimum thermal management
- Low depreciation rate
- Reduces energy consumption and costs up to 65%
- Exceeds IES foot candle levels utilizing the least number of poles and fixtures per project
- Optical system designed for:
 - Parking Lots
 - Auto Dealerships
 - General Area Lighting

CONSTRUCTION

- Die Cast Aluminum
- External cooling fins
- Corrosion resistant external hardware
- One-piece silicone gasket ensures IP-65 seal for electronics compartment
- One-piece Optics Plate™ mounting silicone Micro Optics
- Two-piece silicone Micro Optic system ensures IP-67 level seal around each PCB
- Grade 2 Clear Anodized Optics Plate™ standard

FINISH

- 3.5 mils electrostatic powder coat
- NLS' standard high-quality finishes prevent corrosion, protects against extreme environmental conditions

WARRANTY

Five-year limited warranty for drivers and LEDs.

LED WATTAGE CHART

	16L	32L	48L	64L
350 milliamps	19w	-	-	-
530 milliamps	29w	-	-	-
700 milliamps	39w	71w	106w	136w
1050 milliamps	-	-	159w	205w

Project Name:Type:

Cat#	Light Dist.	# of LEDs	Milliamps	Kelvin	Volts	Mounting	Color	Options
NV-1 (NV-1)	Type 2 (T2)	16 (16L)	350 (35)	2700K, 70 CRI (2707K) ^⓪	120-277 (UNV)	Architectural Swivel Arm (ASA)	Bronze Textured (BRZ)	Bird Spikes (BS) Marine Grade Finish (MGF) Optic Plate Painted to Match Fixture (OPP)
	Type 3 (T3)	32 (32L)	530 (53)	2700K, 80 CRI (2708K) ^⓪	347-480 (HV)	Direct Pole 3" Arm Single D180 (DP33) ^⓪	White Textured (WHT)	Nema 7 Pin Receptacle (PRT) Photozell + Receptacle (PCA) Receptacle + Stairing Cap (PSR)
	Type 4 (T4)	48 (48L)	700 (7)	3000K, 70 CRI (3007K) ^⓪		Direct Pole 7" Arm D180, D90, T80, T120 Quad (DP37) ^⓪	Smooth White Gloss (SWT)	FSP-211 with Motion Sensor FSP-211 with 21" 42" Heights Quick Mount Bracket (QMB) Retrofit Mount Bracket (RQMB)
	Type 5 (T5)	64 (64L)	1050 (1)	3000K, 80 CRI (3008K) ^⓪		Knuckle Mount (KM)	Silver (SVR)	Round Pole Adapter 3" - 4" Pole (RPA3) Round Pole Adapter 5" - 6" Pole (RPA5)
	Nema 2 24" Narrow Beam (N2)			3500K, 80 CRI (3508K)		Wall Mount (WM)	Black Textured (BLK)	Rotated Optic Left (ROL) Rotated Optic Right (ROD) Automotive House Side Shield (AHS) House Side Shield (HSS) ^⓪
	Nema 3 30" Narrow Beam (N3)			4000K, 70 CRI (4007K)		Trunnion Mount (TM) ^⓪	Smooth Black Gloss (SBK)	Black Hardware (BH) Black Optic Frame (BOF)
				4000K, 80 CRI (4008K) ^⓪		Tennis Arm (TA)	Graphite Textured (GPH)	
				5000K, 70 CRI (5007K)		Mast Arm (MA)	Grey Textured (GRY)	
				5000K, 80 CRI (5008K) ^⓪			Custom (CS)	

NOTES:

- Consult Factory for Lead Time. Consult Factory for 90 CRI Requests.
- For Round Pole Specify RPA4 or RPA5
- Standard finish is stainless steel. Can be painted to match fixture.
- IES not applicable with Nema 2 and Nema 3 Optics
- 3000K or lower must be selected to meet International Dark Sky Association certification.

NLS
LIGHTING

ARCHITECTURAL HIGH PERFORMANCE FULL CUTOFF WALL PACK

KEY FEATURES

- Ideal for Exterior Walls, Entryways, Pathways, New Construction and Renovation, Warehouse and Receiving Docks, Court Yards, and School Playgrounds
- Sleek Minimalistic Design of the NV-W (up to 11,000 Lumens, 12"W x 9"D x 5.5"H) Complements the Design of the NV-W2 (up to 24,000 Lumens, 18"W x 9.38"D x 5.5"H)
- 2700K, 3000K, 3500K, 4000K, 5000K CCT Multichip High Power 70 & 80 CRI LEDs
- IP66 Rated Against Dust & Water Ingress, IK10 Rated for Tamper/Vandalism/Impact Protection
- 20KA Surge Protection (120V - 480V) Cold Weather Integrated Battery Back-Up Safety Options
- Silicone Optics providing 96% Clarity and Heat Resistant up to 150°C
- 8 Standard Finishes, Custom Finish and Marine Grade Finish Available
- Controls Agnostic, Compatible with Most Control Systems and Sensors
- Environmentally Friendly Product Which Reduces Energy Consumption, L70 > 100,000 hours
- IDA qualified for 3000K CCT and Lower for Down-light Application, Reducing Light Pollution and Trespass
- Buy America(n) Option Available, Quick Mount for Easy Installation
- Cost Competitive and Short Shipping Lead Times in Days & Weeks

LED WATTAGE CHART

	16L	32L
350 milliamps	19w	-
530 milliamps	29w	-
700 milliamps	39w	71w
1050 milliamps	-	106w

Project Name:Type:

Cat#	Light Dist.	# of LEDs	Milliamps	Kelvin	Volts	Mounting	Color	Controls	Options
NV-W (NV-W)	Type 2 (T2)	16 (16L)	350 (35)	2700K, 70 CRI (2707K) ^⓪	120-277 (UNV)	Wall Mount (WM)	Bronze Textured (BRZ)	FSP-211 with Motion Sensor (FSP-211) ^⓪	Marine Grade Finish (MGF)
	Type 3 (T3)	32 (32L)	530 (53)	2700K, 80 CRI (2708K) ^⓪	347-480 (HV)		White Textured (WHT)	Nema 7 Pin Receptacle (PRT) ^⓪	Vanity Pole 22" x 1" (VP)
	Type 4 (T4)		700 (7)	3000K, 70 CRI (3007K) ^⓪			Smooth White Gloss (SWT)	Button Protocol Cell (PCB) ^⓪	Housing Extension (HE) ^⓪
			1050 (1)	3000K, 80 CRI (3008K) ^⓪			Silver (SVR)		Surge Protector (20KA)
				3500K, 80 CRI (3508K)			Black Textured (BLK)		Emergency Battery 8w (EM8) ^⓪
				4000K, 70 CRI (4007K)			Smooth Black Gloss (SBK)		Emergency Cold Pk Battery 14w (EMCP14) ^⓪
				4000K, 80 CRI (4008K) ^⓪			Graphite Textured (GPH)		Black Hardware (BH) ^⓪
				5000K, 70 CRI (5007K)			Grey Textured (GRY)		Black Optic Frame (BOF) ^⓪
				5000K, 80 CRI (5008K) ^⓪			Custom (CS)		

NOTES:

- Consult Factory for Lead Time. Consult Factory for 90 CRI Requests.
- For Round Pole Specify RPA4 or RPA5
- Standard finish is stainless steel. Can be painted to match fixture.
- IES not applicable with Nema 2 and Nema 3 Optics
- 3000K or lower must be selected to meet International Dark Sky Association certification.

NLS
LIGHTING

ARCHITECTURAL HIGH PERFORMANCE FULL CUTOFF WALL PACK

KEY FEATURES

- Ideal for Exterior Walls, Entryways, Pathways, New Construction and Renovation, Warehouse and Receiving Docks, Court Yards, and School Playgrounds
- Sleek Minimalistic Design of the NV-W2 (up to 24,000 Lumens, 18"W x 9.38"D x 5.5"H) Complements the NV-W (up to 11,000 Lumens, 12"W x 9"D x 5.5"H)
- 2700K, 3000K, 3500K, 4000K, 5000K CCT Multichip High Power 70 & 80 CRI LEDs
- IP66 Rated Against Dust & Water Ingress, IK10 Rated for Tamper/Vandalism/Impact Protection
- 20KA Surge Protection (120V - 480V) Cold Weather Integrated Battery Back-Up Safety Options
- Silicone Optics providing 96% Clarity and Heat Resistant up to 150°C
- 8 Standard Finishes, Custom Finish and Marine Grade Finish Available
- Controls Agnostic, Compatible with Most Control Systems and Sensors
- Environmentally Friendly Product Which Reduces Energy Consumption, L70 > 100,000 hours
- IDA qualified for 3000K CCT and Lower for Down-light Application, Reducing Light Pollution and Trespass
- Buy America(n) Option Available, Quick Mount for Easy Installation
- Cost Competitive and Short Shipping Lead Times in Days & Weeks

LED WATTAGE CHART

	64L
530 milliamps	29w
700 milliamps	136w
1050 milliamps	205w

Project Name:Type:

Cat#	Light Dist.	# of LEDs	Milliamps	Kelvin	Volts	Mounting	Color	Options
NV-W2 (NV-W2)	Type 2 (T2)	64 (64L)	530 (53)	2700K, 70 CRI (2707K) ^⓪	120-277 (UNV)	Wall Mount (WM)	Bronze Textured (BRZ)	FSP-211 with Motion Sensor (FSP-211) ^⓪
	Type 3 (T3)		700 (7)	2700K, 80 CRI (2708K) ^⓪	347-480 (HV)		White Textured (WHT)	Nema 7 Pin Receptacle (PRT) ^⓪
	Type 4 (T4)		1050 (1)	3000K, 70 CRI (3007K) ^⓪			Smooth White Gloss (SWT)	Button Protocol Cell (PCB) ^⓪
				3000K, 80 CRI (3008K) ^⓪			Silver (SVR)	Marine Grade Finish (MGF)
				3500K, 80 CRI (3508K)			Black Textured (BLK)	Emergency Cold Pk Battery 14w (EMCP14) ^⓪
				4000K, 70 CRI (4007K)			Smooth Black Gloss (SBK)	Aluminum Vanity Plate 22" x 1" (VP22)
				4000K, 80 CRI (4008K) ^⓪			Graphite Textured (GPH)	Surge Protector (20KA)
				5000K, 70 CRI (5007K)			Grey Textured (GRY)	Up Light (UP)
				5000K, 80 CRI (5008K) ^⓪			Custom (CS)	Black Hardware (BH) ^⓪ Black Optic Frame (BOF) ^⓪ Conduit Box (JBOX)

NOTES:

- Consult Factory for Lead Time. Consult Factory for 90 CRI Requests.
- Universal Voltage 120-277
- All Emergency Battery Options Certified CA Title 20
- 3000K or lower must be selected to meet International Dark Sky Association certification.
- Consult Factory for Lead Time

REV 03.03.23

1