



Clark, Richardson and Biskup
Consulting Engineers, Inc.

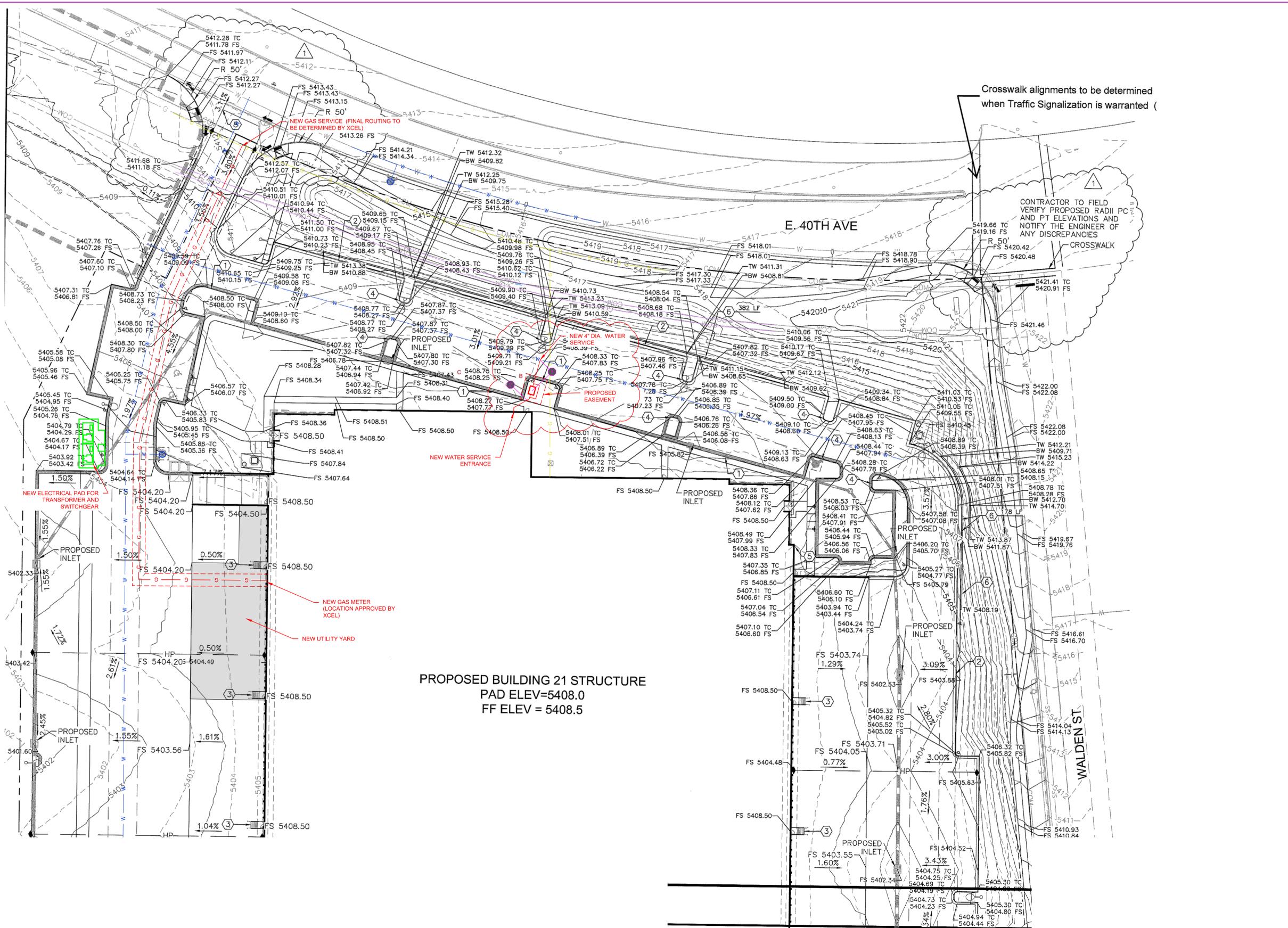
PROJECT MEMO

Date	02/21/2018	CRB Project # 173089	
Project	MycoTechnology – Project Shiitake		
	18250 E. 40 th Ave., Unit 50		
	Aurora, CO 80011		
To	City Of Aurora – Planning Department		
	15151 E. Alameda Parkway, 2 nd Floor		
	Aurora, Colorado 80012		
Subject	Minor Amendment Submittal Comments		

COMMENTS

Regarding the comments to our Minor Amendment Submission to CRB, the following comments have been addressed.

- C. Civil Engineering – Comment to sheet C-1 - “Point of Connection should be at the public main in the drive lane, not in Walden Street” and “Upsizing of the existing 2 inch to a 3 inch meter will be required. Show and label the abandonment of the existing service at the main, the removal of the 2 inch meter and vault, a new wet tap (8 by 4) and 3 inch meter vault per COA Standard detail. Additional pocket easement may be required by separate document.”**
CRB Response: Water main tie in location has been updated along with line size. Existing 2” line to be abandoned and easement application will be submitted. See updated drawings.
- F. Forestry – “Several of the trees on the project will be relocated out of construction limits. I have included the mitigation values of these trees in the event they do not survive transplanting. Any tree that is removed from the site will either be replaced within the landscape or be mitigated through payment to the Community Tree Fund.”**
CRB Response: CRB will assume the mitigation cost of \$1,161.64 for the removal of the trees.
- I. Life Safety – Comments to sheet A-6000**
CRB Response: The drawing has been updated to indicate the following requested information:
 - Generator type and volume
 - Tank contents and volume
 - Generator setback from building and building openings
 - Tank setback from building



Crosswalk alignments to be determined when Traffic Signalization is warranted (

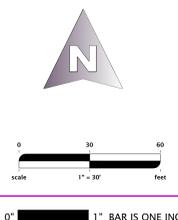
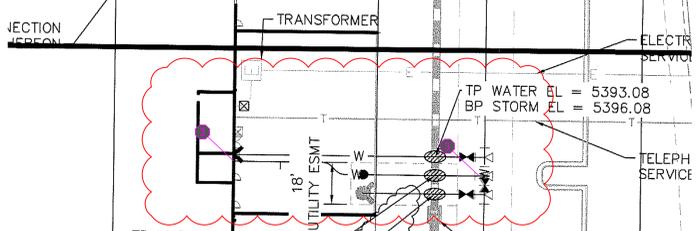
CONTRACTOR TO FIELD VERIFY PROPOSED RADI PC AND PT ELEVATIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES

PROPOSED BUILDING 21 STRUCTURE
PAD ELEV=5408.0
FF ELEV = 5408.5

WATER LINE NOTES

- 8"x4" TAPPING TEE, VALVE, AND METER VAULT. SEE DETAIL 206 ON DETAIL SHEETS FOR ADDITIONAL INFORMATION. CONTRACTOR TO COORDINATE WITH CITY OF AURORA.
- INSTALL 4" DUCTILE IRON PIPE WITH FITTINGS FROM METER VAULT ASSEMBLY TO BUILDING. COORDINATE BUILDING ENTRY LOCATION WITH PLUMBING CONTRACTOR.
- EXISTING 2" DOMESTIC WATER SERVICE AND METER VAULT SHALL BE REMOVED UPON COMPLETION OF NEW METER VAULT INSTALLATION AND RE-PIPING OF WATER WITHIN THE BUILDING. THE EXISTING WATER SERVICE IS LOCATED ON THE EAST SIDE OF THE BUILDING APPROXIMATELY 450 FEET SOUTH OF THE NORTHEAST CORNER OF THE BUILDING.
- THRUST BLOCKS TO BE INSTALLED AT ALL FITTINGS INCLUDING VERTICAL ELBOW INTO WATER ROOM. SEE DETAIL 221 ON DETAIL SHEETS.
- ALL PIPE FOR THE NEW WATER SERVICE SHALL BE RESTRAINED WITH THREADED RODS.

- NOTES
- This sketch depicts a preliminary layout of service tapping locations, meter pit locations, and water service building entrances.
 - Existing utility locations based on design plans for Building 21 at Gateway Park approved by the City of Aurora on 9/24/2014.



CLIENT

MycoTechnology
Simply Better Taste

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CONSULTING CIVIL ENGINEER

CCG

CED. GRADO
CIVIL ENGINEERING GROUP, INC.
ENGINEERING CONSULTANTS

5110 GRANITE ST. UNIT D
LOVELAND COLORADO 80538
(970) 278-0029

PROJECT TITLE

PROJECT SHITAKE

REV	BY	DATE	DESCRIPTION
1	EJ	02/22/2018	MINOR AMENDMENT RE-SUBMITTAL #1

LICENSEE

NOT FOR CONSTRUCTION

OCTOBER 2019
EDWARD J. JANSURY JR.
CO # 50799

PROJ. NO.	0058.0001.00	DESIGNED BY:	EJ
SCALE:	1" = 30'	CHECKED BY:	EJ
SHEET SIZE:	30x42	APPROVED BY:	EJ

DRAWING TITLE

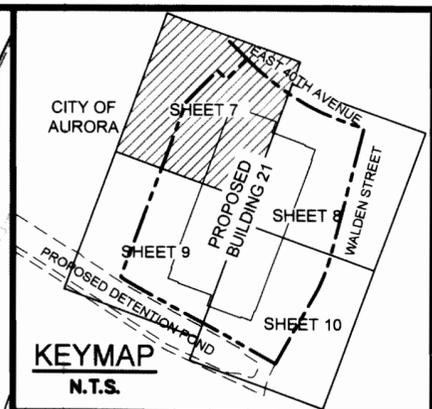
UTILITY SKETCH PLAN

DRAWING NUMBER

C-3001

TREE #	SPECIES	DIAMETER	MITIGATION VALUE	COMMENTS	MITIGATION INCHES
1	Littleleaf Linden	3	\$0.00	Too small for mitigation <4"	0
2	Indian magic crab apple	2	\$0.00	Too small for mitigation <4"	0
3	Indian magic crab apple	2	\$0.00	Too small for mitigation <4"	1
4	Colorado blue spruce	4	\$258.29		2
5	Colorado blue spruce	4	\$258.29		2
6	Colorado blue spruce	3	\$0.00	Too small for mitigation <4"	0
7	Austrian pine	6	\$310.27		2
8	Austrian pine	5	\$334.78		3
9	Austrian pine	3	\$0.00	Too small for mitigation <4"	0
Total		32	\$1,161.64		12

Existing trees to be removed to make way for the new electrical equipment. Any tree that is removed from this site will be mitigated through payment to the Community Tree Fund. See attached chart detailing mitigation value.



KEY	QTY	RATIO	COMMON NAME	BOTANICAL NAME
SHADE / CANOPY TREES - 102				
ARM	6	14%	AUTUMN BLAZE MAPLE	Acer Fraxinifolium Autumn Blaze
+	12	8.3%	COTTONWOOD PLUM	Populus deltoides monilifera
+	16	9.8%	COTTONWOOD LANCELEAF	Populus x scabra
ARM	27	16.6%	RED SUNSET MAPLE	Acer rubrum Red Sunset
+	7	3.5%	RED OAK	Quercus rubra
SL	6	6.2%	SEDTARY LINDEN	Tilia americana Seday (ALONG 40TH AVENUE)
SL	24	15.5%	SEDTARY LINDEN	Tilia americana Seday
O	7	3.5%	TARTARIAN MAPLE	Acer tartaricum
EVERGREEN TREES - 64				
+	25	24.5%	PINE AUSTRIAN	Pinus nigra
+	6	4.5%	PINE AUSTRIAN	Pinus nigra (located on west side of Bldg. 21 to screen dock)
+	13	12.7%	COLORADO BLUE SPRUCE	Pinus purgator (Blue)
+	4	2.6%	COLORADO BLUE SPRUCE	Pinus purgator (Blue) Located on west side of Bldg. 21 to screen dock
+	14	35.8%	COLORADO SPRUCE	Pinus purgator (Green)
+	3	2.3%	COLORADO SPRUCE	Pinus purgator (Green) Located on west side of Bldg. 21 to screen dock
+	11	5.5%	SPINON PINE	Pinus edulis
ORNAMENTAL TREES - 43				
+	6	4.0%	WALNUT MAPLE	Acer glabrum Flamingo
+	6	6.2%	CHERRY BLOSSOM PEAR	Pyrus calleryana Autumn Blaze
+	3	3.1%	INDIAN MAGIC CRAB	Malus Indian Magic
+	20	23.5%	RADIANT GRABAPPLE	Malus Radiant
+	4	4.1%	SPRING SNOW CRAB	Malus Spring Snow
EVERGREEN SHRUBS - 34				
+	23	-	JUNIPER BLUE CHIP	Juniperus horizontalis Blue Chip
+	11	-	JUNIPER CALGARY CABRET	Juniperus sibirica Calgary Carpet
DECIDUOUS SHRUBS - 310				
+	19	-	BIRDWOOD (Giant)	Cornus stolonifera (Giant)
+	1	-	GENE VEEY	Salix x media (Desalio's)
+	28	-	EDWARD BURNING BUSH	Euonymus alatus 'Compactus'
+	13	-	FRANZOSA BLUE	Colerodium 'Blue'
+	38	-	GOLDFLAME SPirea	Spiraea Goldflame
+	9	-	MISSISSIPPI	Syringa patula Miss. King
+	34	-	JUD VIBURNUM	Viburnum x juddii
+	25	-	REGENT SEVICOBERY	Amelanchier alnifolia Regent
+	30	-	RUSSIAN SAGE	Perovskia atrorubra
+	14	-	PLUM PURPLELEAF	Prunus x cistena
+	19	-	SPirea ANTHONY WINTER	Spiraea Japonica Anthony Winter
+	64	-	SPirea LITTLE PRINCESS	Spiraea Japonica Little Princess
+	6	-	SUMAC FRAGRANT	Rhus aromatica 'Smo-Low'
+	20	-	SPirea THREELEAF	Rhus trilobata
PERENNIALS / GRASSES - 330				
+	30	-	BLUE FESCUE GRASS	Festuca glauca (Elate Blue)
+	234	-	DRY LILY	Hemerocallis spp. Stella de Oro
+	31	-	DWARF FOUNTAIN GRASS	Hemiphragma oppositifolium Fountain
+	14	-	FEATHER REED GRASS	Calamagrostis Kar-Fountain

TB GROUP
 landscape architecture | interior illustration
 444 Mountain Ave. | TEL: 970.522.5691
 Broomfield, CO 80013 | WEB: TBGroup.us

BUILDING 21 AT GATEWAY PARK
 GATEWAY PARK EAST FILING NO. 18
FINAL LANDSCAPE PLAN

DATE: 7/2/2014
 DESIGNED BY: JCD
 DRAWN BY: JCD
 CHECKED BY: MW

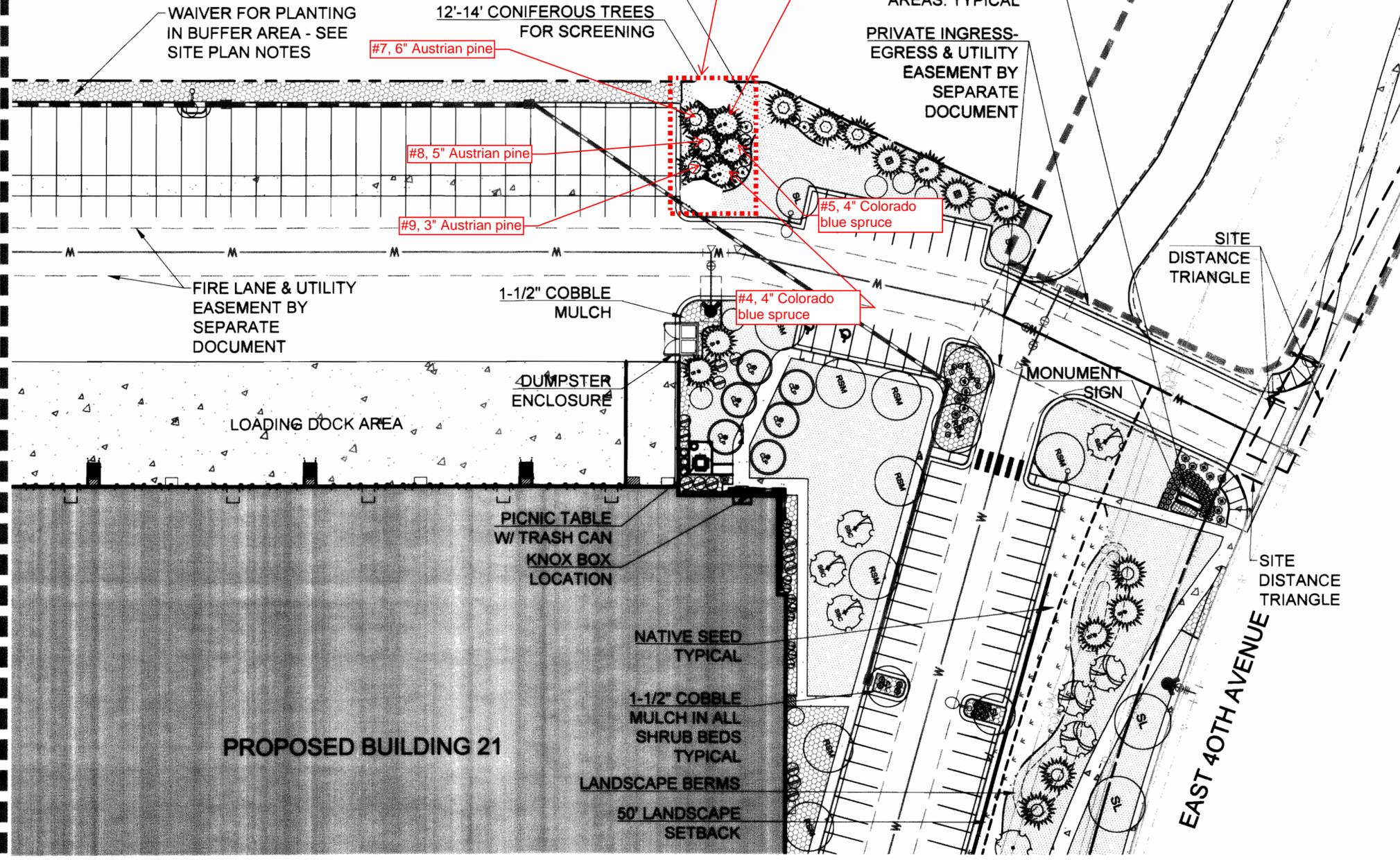
FILE NO. 067987010
 PROJECT NO. 067987010
 SHEET NO. 7

1 RESP. TO CITY COMMENTS JCD 7/2
 2 RESP. TO CITY COMMENTS JCD 8/1
 3 RESP. TO CITY COMMENTS JCD 9/15

NO. REVISION BY DATE APPR.

MATCHLINE - SEE SHEET - 9

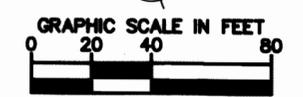
MATCHLINE - SEE SHEET - 8



LANDSCAPE PLAN

LEGEND

IRRIGATED TURF GATEWAY PARK SOD MIX	SMOOTH RIVER COBBLE ALL SHRUB BED AREAS TO RECEIVE MIN. 1-1/2" TAN COBBLE W/LANDSCAPE FABRIC	WOOD MULCH PERENNIAL PLANTINGS TO RECEIVE GPDRS APPROVED WOOD MULCH W/OUT LANDSCAPE FABRIC	IRRIGATED LOW GROW NATIVE GRASS ARKANSAS VALLEY SEED MIX
RIVER COBBLE AREA NEAR DETENTION POND TO RECEIVE 2"-4" TAN COBBLE W/ LANDSCAPE FABRIC	PERENNIAL PLANTING	KNOX BOX	FIRE HYDRANT
			STEEL EDGER

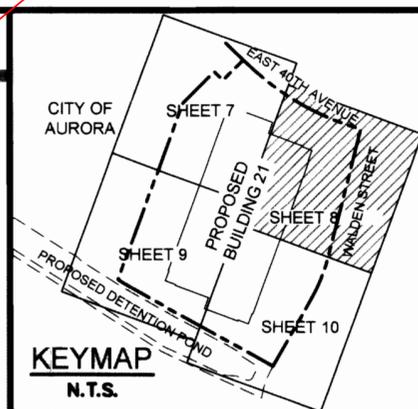


MATCHLINE - SEE SHEET - 7

Existing trees to be temporarily removed to make way for the new water line. Any trees that are preserved on the site during construction activities shall follow the standard details for the Tree Protection per the current Parks, Recreation & Open Space Dedication and Development Criteria manual. Any tree that is removed from this site permanently will be mitigated through payment to the Community Tree Fund. See attached chart detailing mitigation value.

#2, 2" crab apple #3, 2" crab apple

#1, 3" Linden



PLANT LEGEND

KEY	QTY	RATIO	COMMON NAME	BOTANICAL NAME
SHADE / CANOPY TREES - 102				
ABM	6	13.4%	ALFURN BLAZE MAPLE	Acer fraxinifolium 'Assure Blue'
+	12	8.3%	COTTONWOOD PLAIN	Populus deltoides 'monifera'
+	10	9.8%	COTTONWOOD LAURELLEAF	Populus x euramericana
RM	27	18.0%	RED SUNSET MAPLE	Acer rubrum 'Red Sunset'
+	7	1.4%	RED OAK	Quercus rubra
SL	9	0.2%	SENTRY LINDEN	Tilia americana 'Sentry' (along 40th Avenue)
SL	24	16.5%	SENTRY LINDEN	Tilia americana 'Sentry'
O	7	3.5%	TARTARIAN MAPLE	Acer tartaricum
EVERGREEN TREES - 54				
+	25	24.5%	PINE, AUSTRALIAN	Pinus nigra
+	9	4.6%	PINE, AUSTRALIAN	Pinus nigra (located on west side of Bldg 21 to screen dock)
+	13	12.7%	COLORADO BLUE SPRUCE	Pinus nigra (Blue)
+	4	2.0%	COLORADO BLUE SPRUCE	Pinus nigra (Blue) (located on west side of Bldg 21 to screen dock)
+	14	35.6%	COLORADO SPRUCE	Pinus nigra (Green)
+	3	2.9%	COLORADO SPRUCE	Pinus nigra (Green) (located on west side of Bldg 21 to screen dock)
+	11	5.5%	PRINON PINE	Pinus strobus
ORNAMENTAL TREES - 43				
+	6	4.0%	AMUR MAPLE	Acer ginnale 'Flame'
+	8	3.2%	CHATELAIN PEAR	Pyrus calleryana 'Adam's Blaze'
+	3	3.1%	NOAHMADIC CRAB	Malus 'Adam's Mega'
+	20	26.6%	RADIANT CRABAPPLE	Malus 'Radiant'
+	4	4.1%	SPRING SNOW CRAB	Malus 'Spring Snow'
EVERGREEN SHRUBS - 34				
+	23	-	JUNIPER, BLUE CHIP	Juniperus horizontalis 'Blue Chip'
+	11	-	JUNIPER, CALDWAY 'CARPET'	Juniperus sibirica 'Caldway Carpet'
DECIDUOUS SHRUBS - 218				
+	49	-	DOGWOOD, SWEET	Cornus alternifolia 'Sweet'
+	10	-	DENSE YEW	Taxus x media 'Densiformis'
+	26	-	DWARF BURNING BUSH	Eurotia alata 'Compacta'
+	10	-	FRANKLIN ALBES 'COLUMBIENSIS'	Buddleia 'Fall Hedge'
+	35	-	GOLDFLAME SPirea	Spiraea 'Goldflame'
+	9	-	MISSISSIPPI LILAC	Syringa patula 'Missouri'
+	34	-	JUDO VIBURNUM	Viburnum x juddii
+	25	-	RESENT SERVICEBERRY	Amelanchier alnifolia 'Ragler'
+	30	-	RUSSIAN SAGE	Perovskia atrorubra
+	14	-	FLUM, PURPLE LEAF	Prunus x stans
+	10	-	SPirea, ANTIQUM 'WATERER'	Spiraea japonica 'Antique Waterer'
+	64	-	SPirea, LITTLE PRINCESS	Spiraea japonica 'Little Princess'
+	6	-	SILMACK FRAGRANT	Rhus aromatica 'Gris-Lin'
+	20	-	SPirea, THREE-LEAF	Rhus typhina
PERENNIALS / GRASSES - 229				
+	10	-	BLUE FESCUE GRASS	Festuca glauca 'Blue Blue'
+	204	-	DAY LILY	Hemerocallis spp. 'State de Oro'
+	31	-	DWARF FOUNTAIN GRASS	Festuca microstachya 'Flames'
+	14	-	FEATHER REED GRASS	Calamagrostis 'Hart Fender'

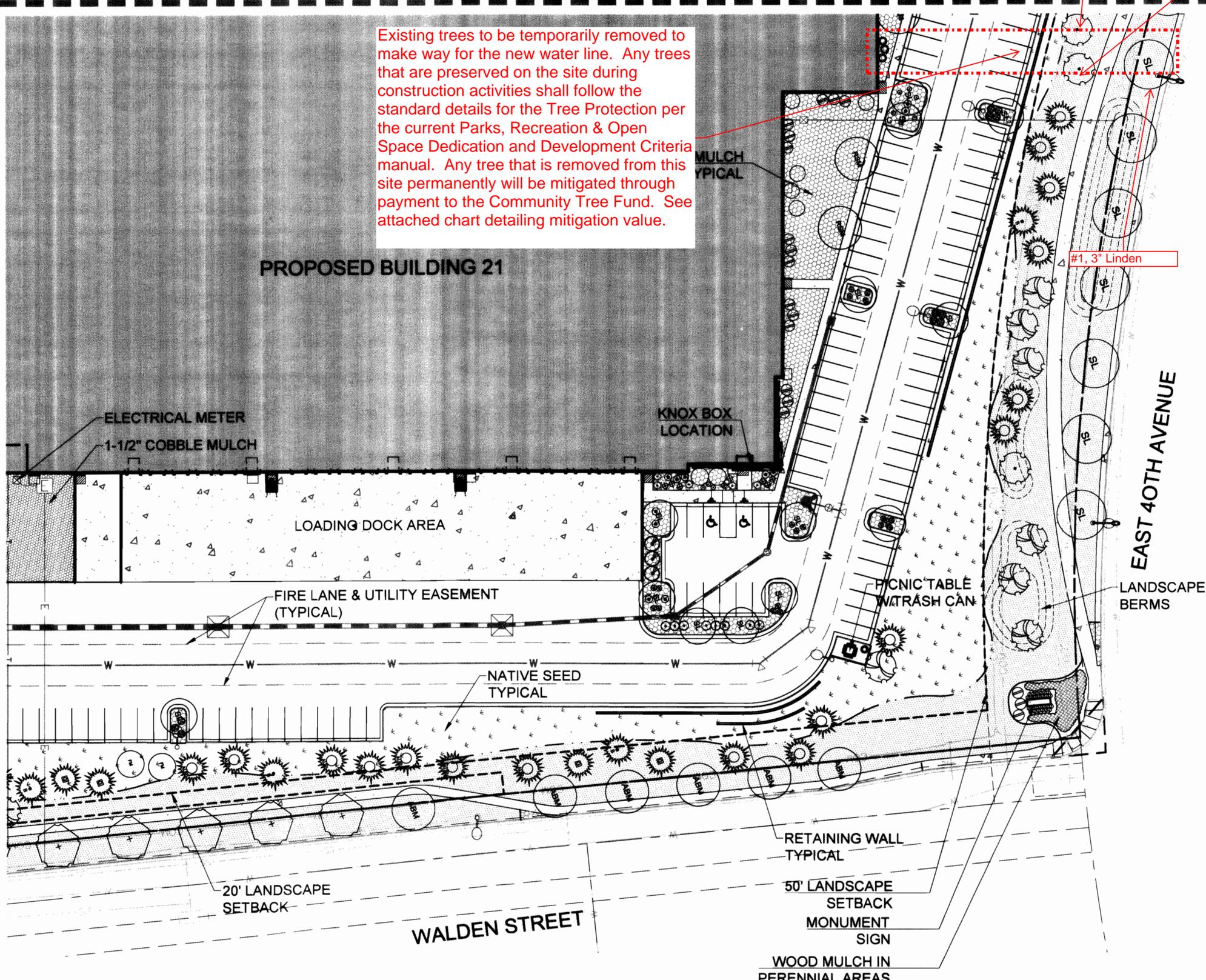
NO.	REVISION	BY	DATE	APPR.
1	RESP. TO CITY COMMENTS	JCD	7/2	
2	RESP. TO CITY COMMENTS	JCD	8/1	
3	RESP. TO CITY COMMENTS	JCD	9/15	

IB3 GROUP
 landscape architecture (planning) illustration
 444 Mountain Ave. TEL: 970.632.5981
 Broomfield, CO 80513 WEB: IB3Group.us

BUILDING 21 AT GATEWAY PARK
GATEWAY PARK EAST FILING NO. 18
FINAL LANDSCAPE PLAN

DATE:	7/2/2014
DESIGNED BY:	JCD
DRAWN BY:	JCD
CHECKED BY:	MW

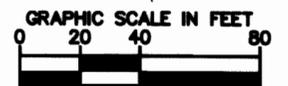
FILE NO.	067987010
PROJECT NO.	067987010
SHEET NO.	8

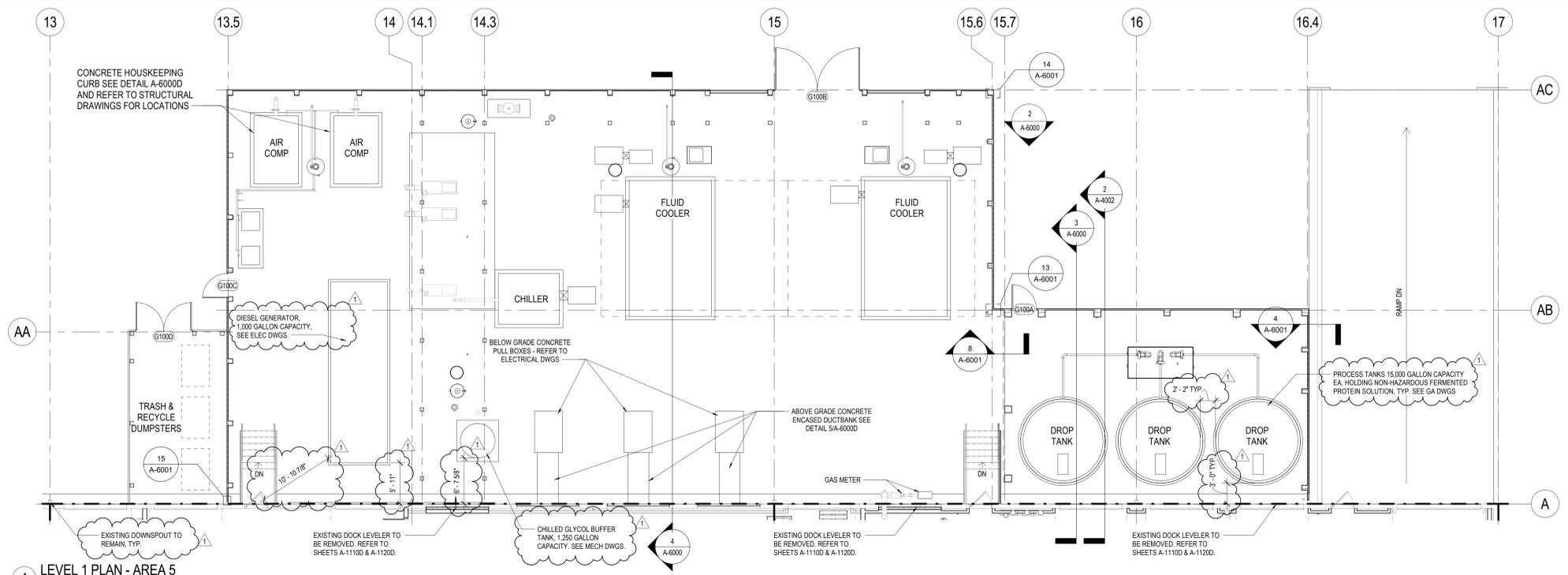


LANDSCAPE PLAN

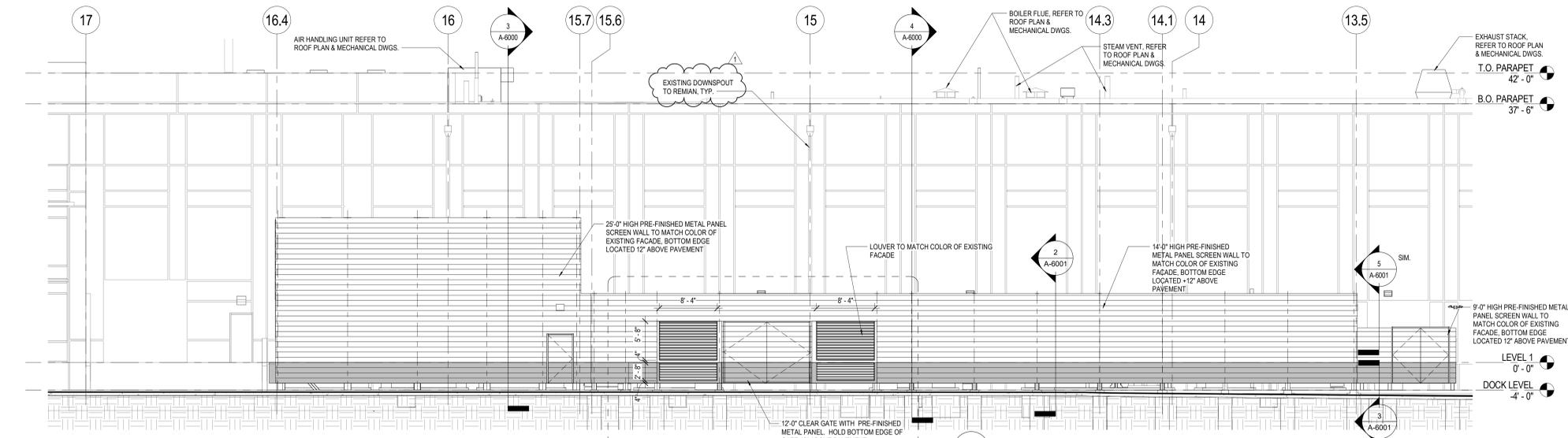
LEGEND

	IRRIGATED TURF GATEWAY PARK SOD MIX		SMOOTH RIVER COBBLE ALL SHRUB BED AREAS TO RECEIVE MIN. 1-1/2" TAN COBBLE W/LANDSCAPE FABRIC		WOOD MULCH PERENNIAL PLANTINGS TO RECEIVE GPDR APPROVED WOOD MULCH W/OUT LANDSCAPE FABRIC		IRRIGATED LOW GROW NATIVE GRASS ARKANSAS VALLEY SEED MIX
	RIVER COBBLE AREA NEAR DETENTION POND TO RECEIVE 2"-4" TAN COBBLE W/ LANDSCAPE FABRIC		PERENNIAL PLANTING		KNOX BOX		FIRE HYDRANT
							STEEL EDGER

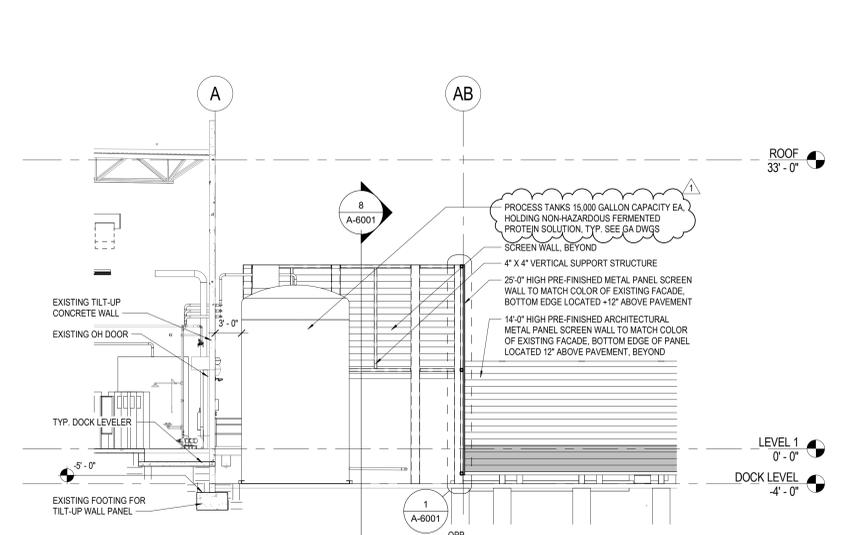




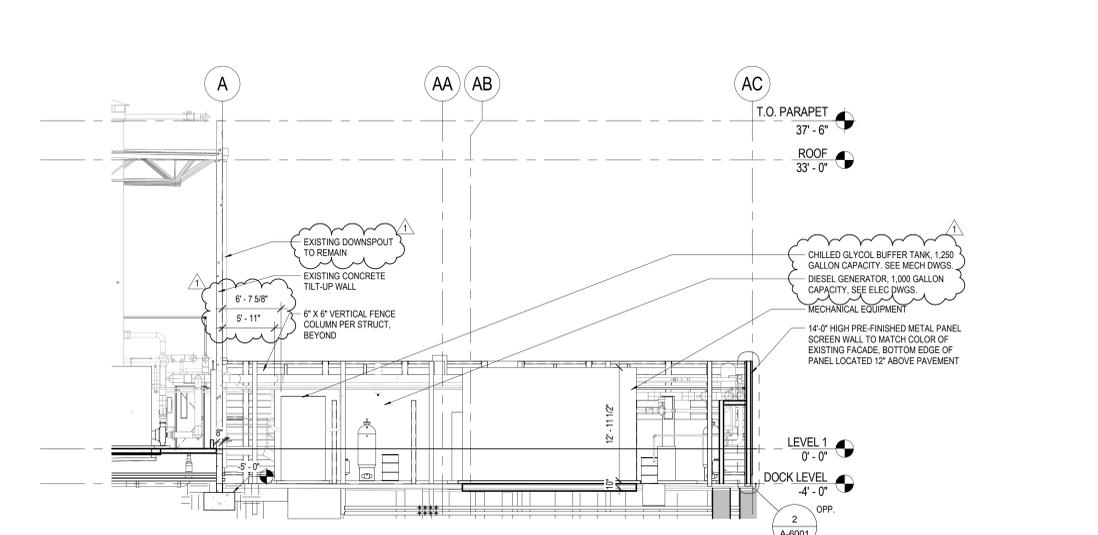
1 LEVEL 1 PLAN - AREA 5
1/8" = 1'-0"



2 SCREEN WALL ELEVATION
1/8" = 1'-0"



3 SCREEN WALL SECTION
1/8" = 1'-0"



4 SCREEN WALL SECTION SHORTER WALL
1/8" = 1'-0"

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ENGINEERING CONSULTANTS

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LOVELAND COLORADO 80538
(970) 278-0028

PROJECT TITLE

PROJECT SHIITAKE

REV	BY	DATE	DESCRIPTION
0	CBC	02/06/2018	ISSUED FOR PERMIT
1	CBC	02/22/2018	ISSUED FOR REVIEW

LICENSEE

NOT FOR CONSTRUCTION

PROJ. NO. 173098.00	DESIGNED BY: KAD
SCALE: 1/8" = 1'-0"	CHECKED BY: KH
SHEET SIZE: 30x42	APPROVED BY: CBC

DRAWING TITLE

MECHANICAL YARD PLANS, ELEVATIONS & SECTIONS

DRAWING NUMBER

A-6000