

University of Colorado Design Review Board Meeting Notes

Date: Wednesday, April 23, 2025
Time: 9:00 a.m. – 4:30 p.m.
Location: Bruce and Marcy Benson Conference Room, First Floor, 1800 Grant Street,
Denver, Colorado

DRB and Campus Members present:

Mike Winters, Jody Beck, Sarah Brown, Tom Hootman, Laurel Raines, Chris Shears, d'Andre Willis, campus DRB member for the University of Colorado Boulder campus (CU Boulder), and Fawn Behrens-Smith, campus DRB member for the University of Colorado Colorado Springs (UCCS),

Others in attendance not otherwise noted:

Kori Donaldson, AVP of Budget, Finance, and Capital and ex officio member of the DRB
Linda Money, CU Real Estate Services, CU System employee / DRB notetaker (via Zoom)
Emily Parker, Sr. Budget, Planning, and Policy Analyst, Office of the VP for Budget & Finance

Mike Winters, Chair, determined a quorum and called the meeting of the Design Review Board to order at 9:00 a.m.

9:00 – 9:45 a.m.	Study Session – Board Only
9:45 – 10:00 a.m.	Break/Set Up
10:00 a.m. – 12:00 p.m.	Chemistry and Applied Math Building – CU Boulder Design Development (Action Requested)

Architects/Consultants:

ZGF
James Corner Field Operations
Group 14 Engineering
Whiting-Turner Contracting Company

Presenters:

Braulio Baptista, Design Partner, ZGF
Kalan Beck, Designer, ZGF
Karli Molter, Senior Associate, Field Operations
Lauren McNeill, Group 14 Engineering

CU Boulder Campus Presenter:

d'Andre Willis, Assistant Vice Chancellor of Planning and
Design /Campus Architect, Facilities Planning

Others Present:

Sadie Cline, ZGF
David Grant, ZGF (via Zoom)
Neil Parks, ZGF
Ryan Velasco, ZGF
Anthony Durst, Adolphson & Peterson

Other CU Boulder Campus Representatives Present:

David Byrne, Jr., Facilities Planning
Katherine Dunklau, Facilities Planning
Richelle Goedert, Facilities Planning
Wayne Northcutt, Facilities Planning
Christopher Rabenhorst, Laboratory for Atmospheric and
Space Physics

Description:

Design Development (“DD”) submittal for a new 147,000
GSF Chemistry and Applied Mathematics (CHAP) academic/
research building on the Business Field (a four-acre
recreational field on main campus).

A/E Presentation

The design team gave a comprehensive presentation of the submittal package, which is available upon request through the contact information noted at the bottom of this document.

DRB Comments

General

The DRB recognized the work of the design team in resolving budgetary issues in a way that maintained the program and improved the building massing. It commented that the team was able to solve problems in a way that maintained the integrity of the design. The DRB also welcomed A&P to the CHAP team.

A. Energy and Sustainability

The team has done a great job. The energy and sustainability components of the project are on track.

- Consider sourcing local rooftop pavers, which may be less expensive and could reduce carbon emissions from transport.

B. Site & Landscape Architecture

- Continue to study the proposed screening that will be used to shield the generators and transformers from view. Perforated metal may not create a visual disconnect because it is virtually transparent with light behind it.

- Study whether there are ways to eliminate the auto parking and shield the loading dock from view by more berming along Regent Dr., taller plant materials, and by shifting the truck-manuevering area slightly to the west.
- Evaluate whether structural soil is needed anywhere except the bike parking sites.
- Reshare the site grading plan in a format that is easier to read.
- Explore alternatives to Hanover pavers (see note in “A. Energy and Sustainability”).
- Review planting notes (see attached).
 - Reevaluate the planting scheme at the rooftop deck to ensure it will weather the wind and sunlight of the harsh Colorado climate.
 - Consider the addition of planting to soften the south entryway edge along the monumental precast wall.

C. Architecture

- The DRB supports preferred Option 2a for the ground floor window infill.
 - Consider adding patterning/detail to the metal.
 - The stone base (from the NM quarry) is an acceptable alternate to pre-cast below the windows.
- The DRB accepts the proposed glass types (Solarban 90 with argon gas), signage, and exterior soffit lighting.
 - Avoid the use of paint to infill the signage.
- If the team decides to add a permanent shade structure to the rooftop terrace, it will need to be reviewed by the DRB at a future meeting.
- The DRB encourages several rounds of material mock ups. Please share the schedule of mock-ups. The DRB would like to participate in the mock-up review.

DRB Action

Chris Shears moved to approve the Design Development submittal for the Chemistry and Applied Math Building with the direction that d’Andre Willis follow up with a future Board-only meeting about the comments noted above. Jody Beck seconded the motion, which passed unanimously.

1:00 – 2:00 p.m.

National Quantum Nanofabrication (NQN) Facility – CU Boulder Introduction/Pre-Design (Information/Direction)

Architects/Consultants:

Page Architects

BSA Landscape Architects

Presenters:

Alex Goldberg, Page
Michael Reilly, Page
Scott Stoll, Page
Jason Messaros, BSA

CU Boulder Campus Presenters:

d'Andre Willis, Director of Planning/Campus Architect,
Facilities Planning
Wayne Northcutt, Facilities Planner, Architect, Facilities
Planning

Other CU Boulder Campus Representatives Present:

Richelle Goedert, Facilities Planning

Description: Submittal for a 3,800 GSF addition to the SEEL building on east campus funded with an National Science Foundation grant to further national security interests in quantum sensing

A/E Presentation

The design team gave a comprehensive presentation of the submittal package, which is available upon request through the contact information noted at the bottom of this document.

DRB Comments

This is a small but important project on an important site.

A. Energy and Sustainability

- No comments

B. Site & Landscape Architecture

- Continue to study and plan for flood risk. The fact that the site is on a 500-year floodplain may not mitigate risks of flooding.
- The existing storm drain will affect the footprint of the building and its proximity to the sidewalk.
- Consider completing a micro master plan to show how the site could be further developed in the future.

C. Architecture

- The DRB expressed support for conceptual massing images that showed contrasting materials and a reveal at the point the new building connects to the existing building.
- The exhaust stack could be a vertical design opportunity. Continue to study this.
- Continue to study the service access ramp area.

DRB Action

No formal action was required. The DRB provided the comments and direction noted above.

2:15 – 4:15 p.m.

Farrand Hall Renovation – CU Boulder Schematic Design Workshop (Information/Direction)

Architects/Consultants:

Anderson Mason Dale (AMD)
Swinerton
Wenk Associates
Group14 Engineering

Presenters:

Greg Dorolek, Wenk Associates
Lauren McNeill, Group14 Engineering
Andy Nielsen, AMD

CU Boulder Campus Presenters:

d'Andre Willis, Assistant Vice Chancellor for Planning
& Design, Campus Architect, Facilities Planning
Lindsay Schumacher, Planner, Planning, Design and
Construction, Facilities Planning

Others Present:

Katie Spicer, AMD
Ace Martin, Wenk Associates
Mark Bokhoven, Swinerton

Other CU Boulder Campus Representatives Present:

JT Allen, Director of Housing Facilities Services
Dan Gette, AVC of Student Affairs
Richelle Goedert, Campus Landscape Architect, Facilities
Planning
Jon Keiser, Design and Project Management, Housing
Facilities

Description:

Schematic Design workshop for a comprehensive interior renovation; systems replacement and upgrade, addition of cooling; window/door replacement, exterior repairs, create new accessible entries, upgrade building envelope; site improvements and landscaping renovation of Farrand Hall.

A/E Presentation

The design team gave a comprehensive presentation of the preliminary schematic design, a copy of which is available upon request.

DRB Comments

A. Energy and Sustainability

- The DRB appreciates the progression toward meeting energy and sustainability goals in the overall design.
- Continue to study the glass type and framing options.
- Resolve the wall insulation options.

B. Site & Landscape Architecture

- At the west courtyard, continue to study how the west stairs terminate into the courtyard. Consider whether the location of the first row of trees can be extended further toward the edge (to the west) and whether the interior trees will get enough sunlight or if the overall tree count should be reduced. Study seating options at this location if the two trees are removed.
- At the east courtyard, consider whether the opening in the low wall at the entryway to the courtyard should be made symmetrical. Study the relationship of the newly designed courtyard to the engineering quad (to the east) to determine whether the edge should be made more formal. Unify the paving material at the main entry point. Finally, look at whether a small path of pavers should be added from the largest seating area along the informal path to the main entry to the courtyard.
- At the north courtyard, consider replacing the small patch of grass shown by the northeast door with permeable pavers or gravel.
- At SD, provide details about the program inside the building at each courtyard entry.

C. Architecture

- Continue your study of window types.
- Determine how the new building entryways relate; explore a similar vocabulary for these entryways.

DRB Action

No formal action was required. The DRB provided the comments and direction noted above.

There being no further business, the public meeting of the Design Review Board adjourned at 4:15 p.m.

(For assistance with the attachments referenced within this document, please contact Linda Money at (303) 860-6110 or linda.money@cu.edu.)

Addendum to the Meeting Summary
For the Design Review Board Meeting
Held April 23, 2025,
Regarding the Chemistry and Applied Math Building
Design Development Submittal for the Boulder Campus

Please see the notes prepared by Laurel Raines on the following pages.

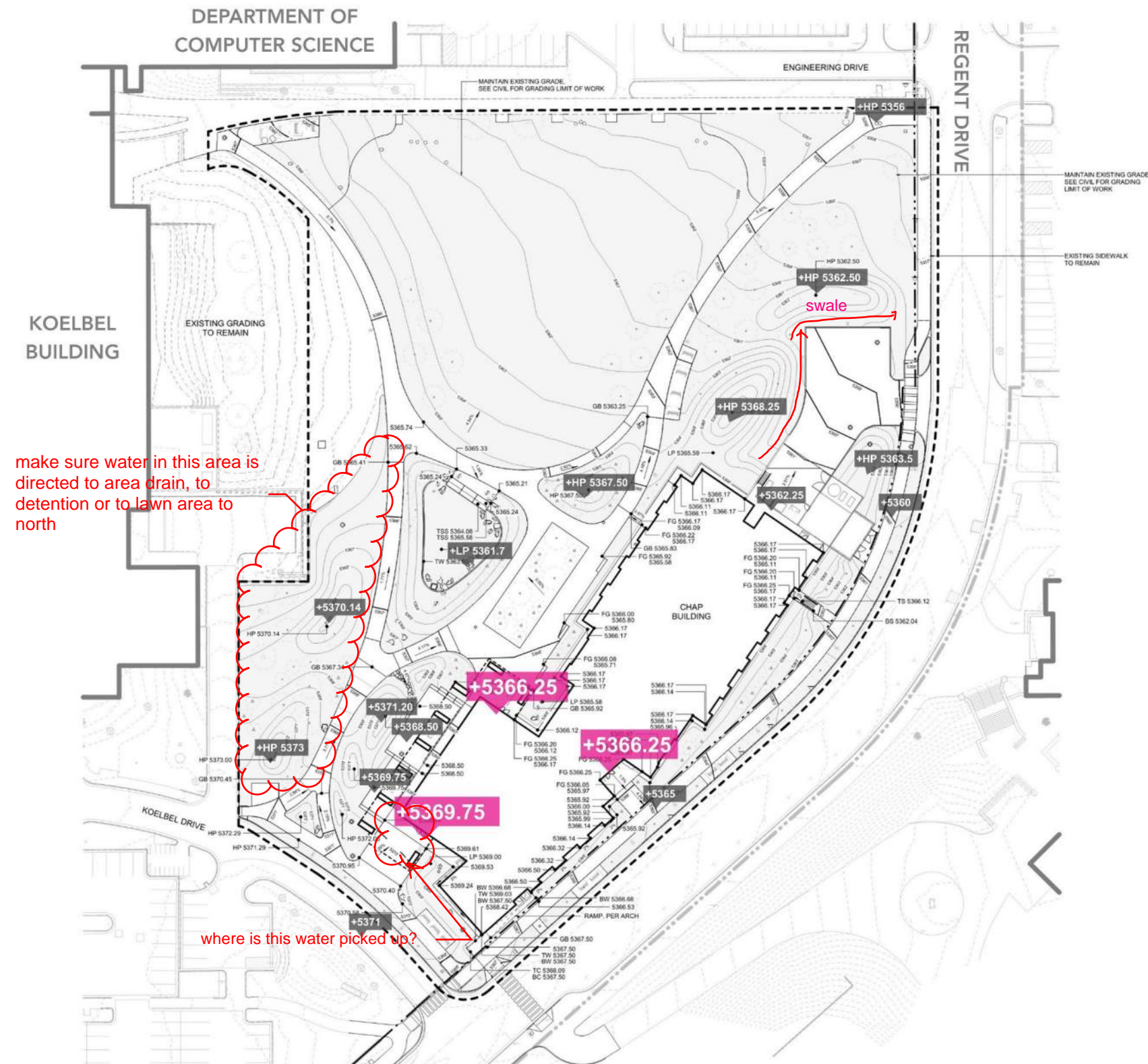
Additionally, Laurel requested that the following planting list also be included in the Addendum:

Colorado Roof Top Favorites from Dig Studio:

Amelanchier alnifolia Regent
Pinus mugo White Bud
Penstemon strictus
Mahonia repens
Diablo Ninebark
Gro-low sumac
Calamagrostis Karl Forester
Vinca Bowles

DD WORKSESSION:
FFE MAIN: 5366.00
FFE SOUTH: 5370.00
4.0' ELEVATION CHANGE

DESIGN UPDATE:
FFE MAIN: 5366.25
FFE SOUTH: 5369.75
3.5' ELEVATION CHANGE



EEL EXISTING ELEVATION

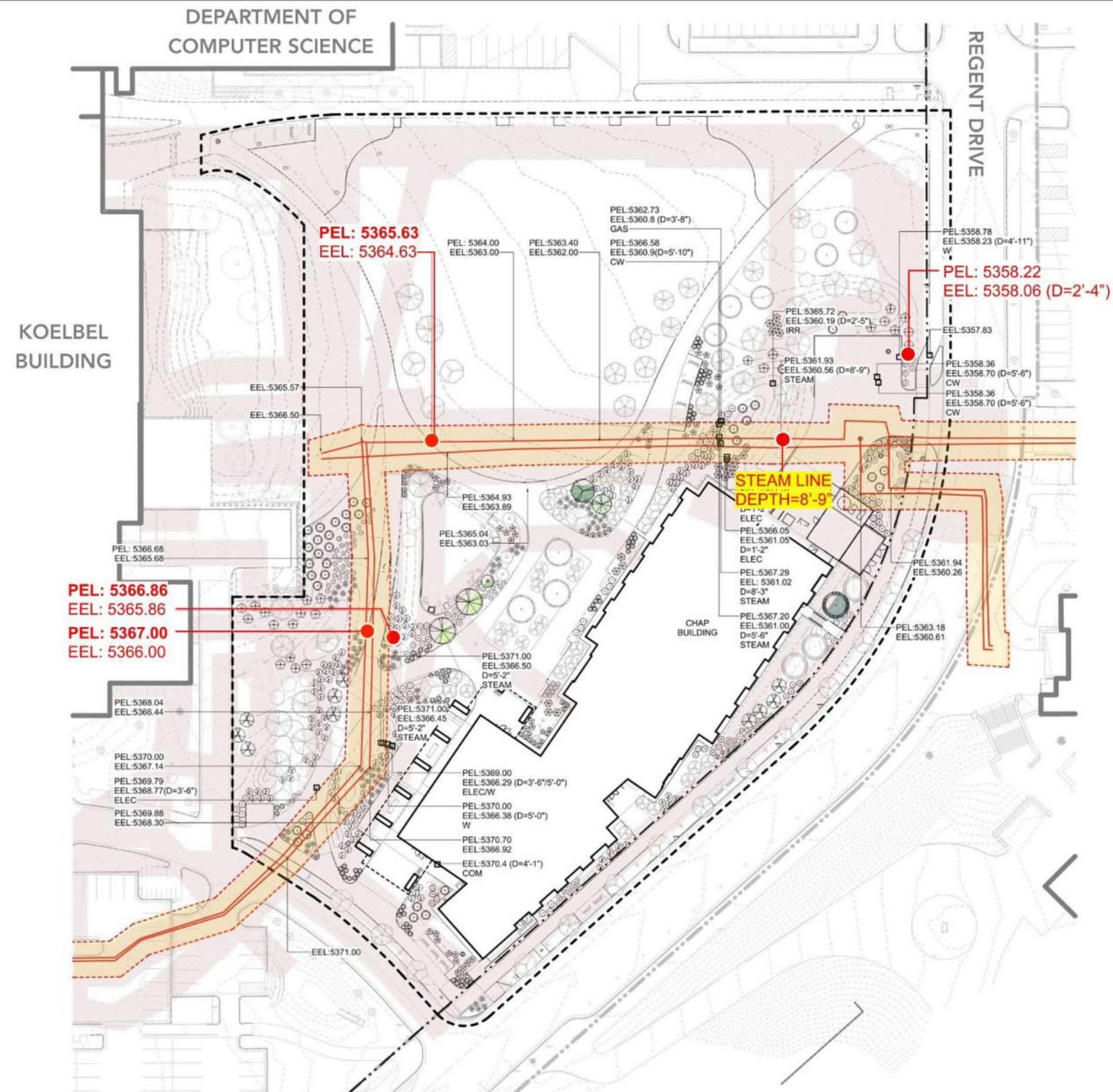
PEL PROPOSED ELEVATION ADJUSTED (+1' MIN)

● CONFLICT POINT (ADD'L GRADE REQ'D)

— STEAM LINE

- - - 10' OFFSET FOR STEAM LINE

8' OFFSET FOR OTHER UTILITIES

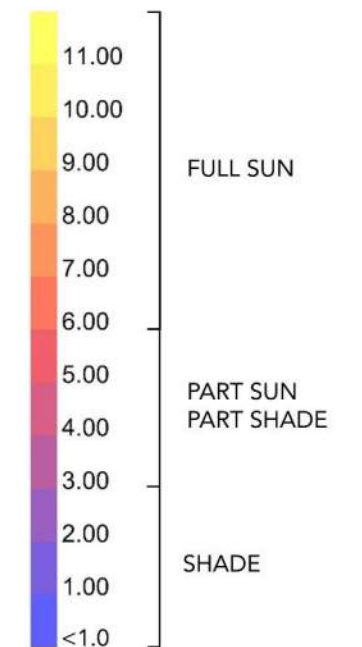


Make sure to accommodate flow to area drains
or detention with raised grades

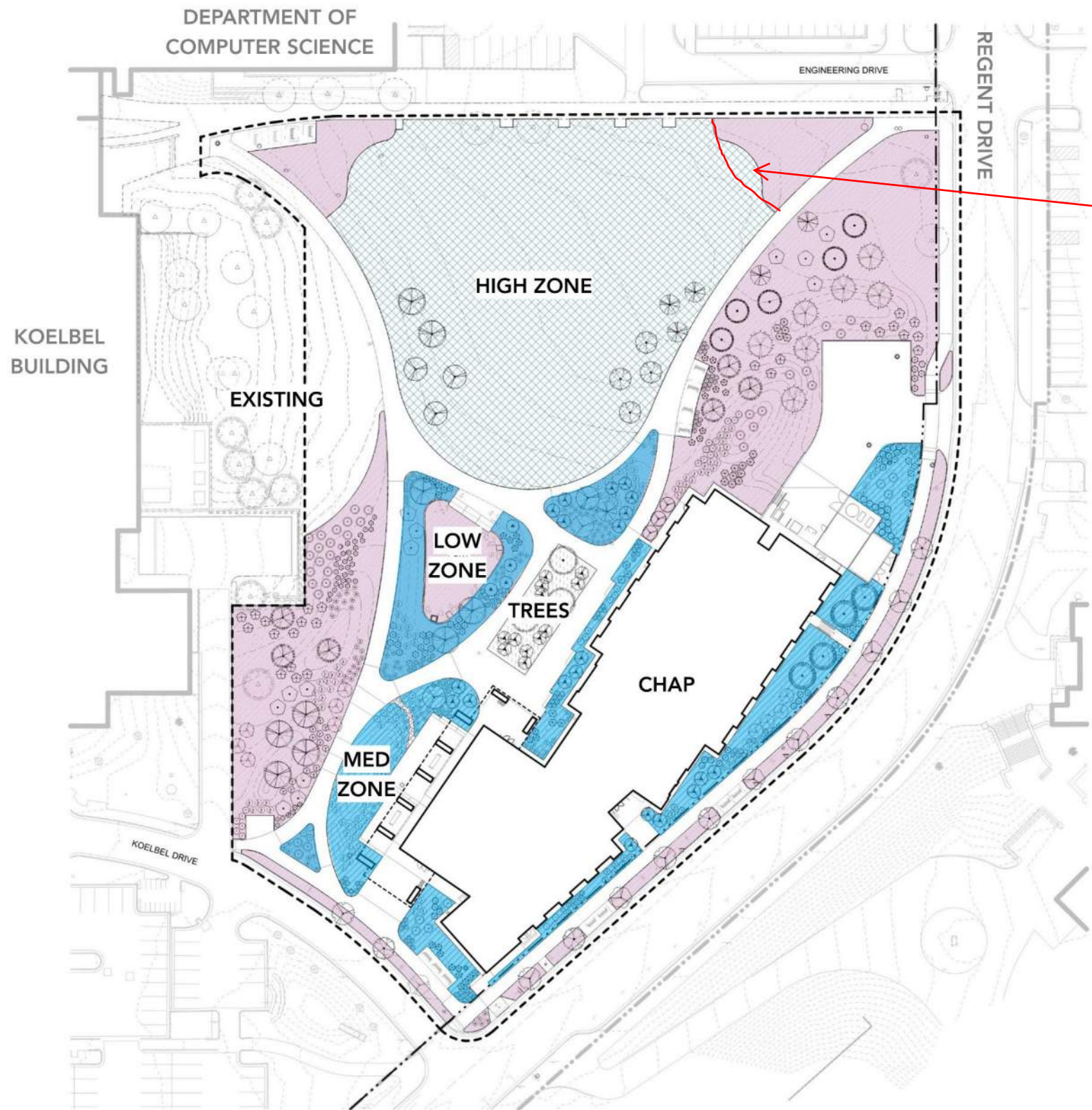
GRADING INCREASE AT STEAMLINE



In our climate always
a tough condition. Dry
shade. Will look at
your selections for
recommendations.



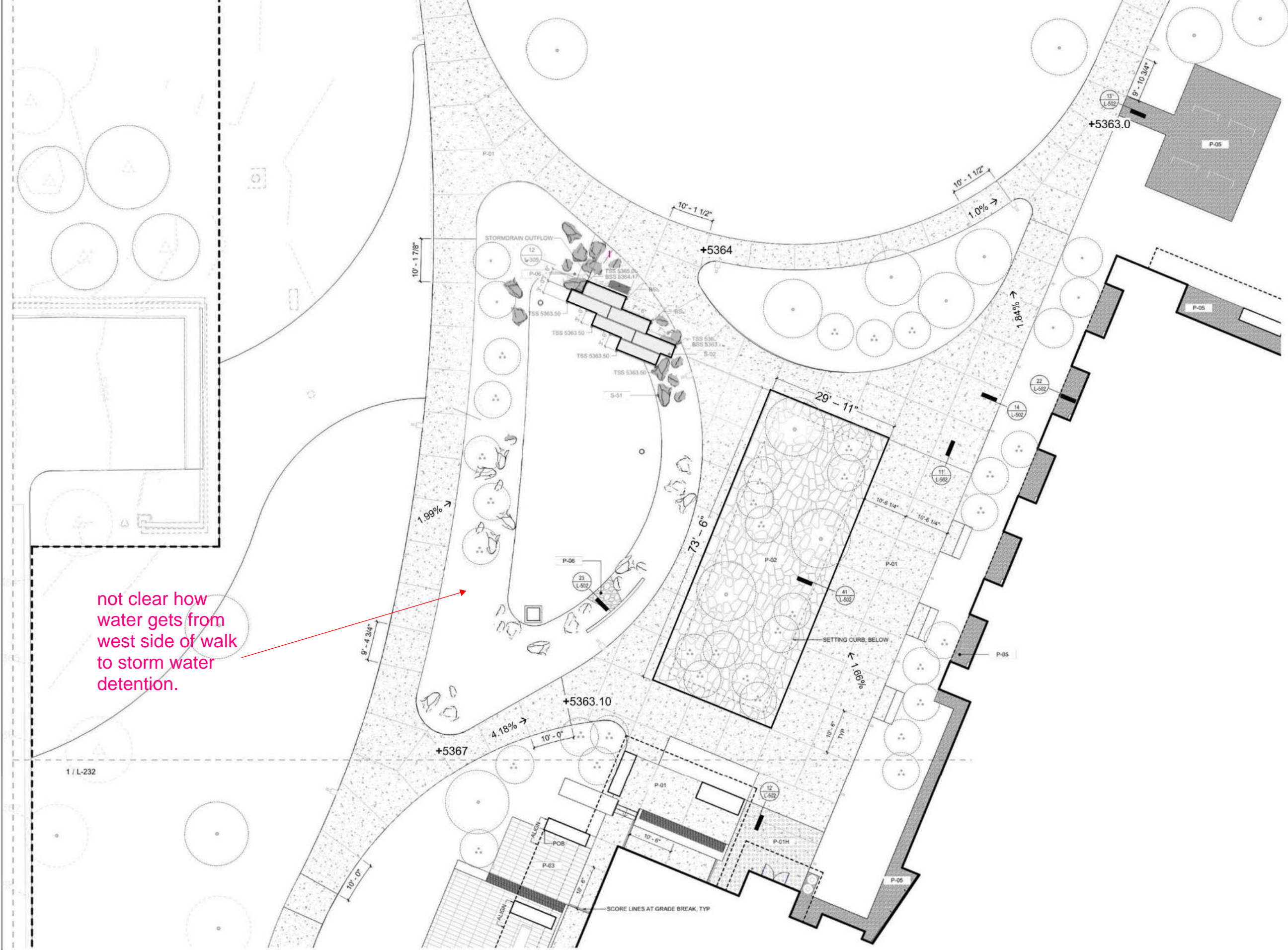
- LOW
- MEDIUM
- HIGH



this is a design decision but wondering why the shape at these corners. Up to design team of course

HYDROZONE MAP
Irrigation Usage





not clear how
water gets from
west side of walk
to storm water
detention.

how will you design wall at perimeter
to be permeable letting water in?

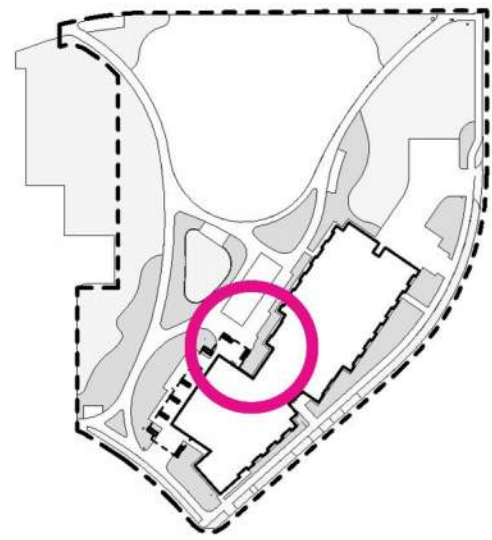
- 1 REALIGNED GROVE PLAZA
- 2 STEPPED PLANTER W/ BLDG
- 3 EXPANDED STORMWATER GARDEN
- 4 SIMPLIFIED SEAT STAIR (GEOMETRY+CIP)
- 5 ADJUSTED PLANTER / GRADING
- 6 SHIFTED BIKE PARKING FOR LARGER BUFFER

fieldoperations

DESIGN UPDATES

STORMWATER GARDEN AND GROVE PLAZA





AMELANCHIER ALNIFOLIA
SASKATOON SERVICEBERRY
(MAY-JULY, SUN-PART SHADE
LOW TO MODERATE WATER)



PHYSOCARPUS MONOGYNUS
MOUNTAIN NINEBARK
(MAY-JULY, SUN-PART SHADE
LOW-MODERATE WATER)



RIBES CEREUM
WAX CURRANT
(SUN-SHADE, LOW TO MODERATE WATER
DROUGHT TOLERANT)



ARCTOSTAPHYLOS UVA-URSI
KINNIKINNICK
(EVERGREEN, MAY-AUGUST)
SUN-PART SUN
LOW-MODERATE WATER

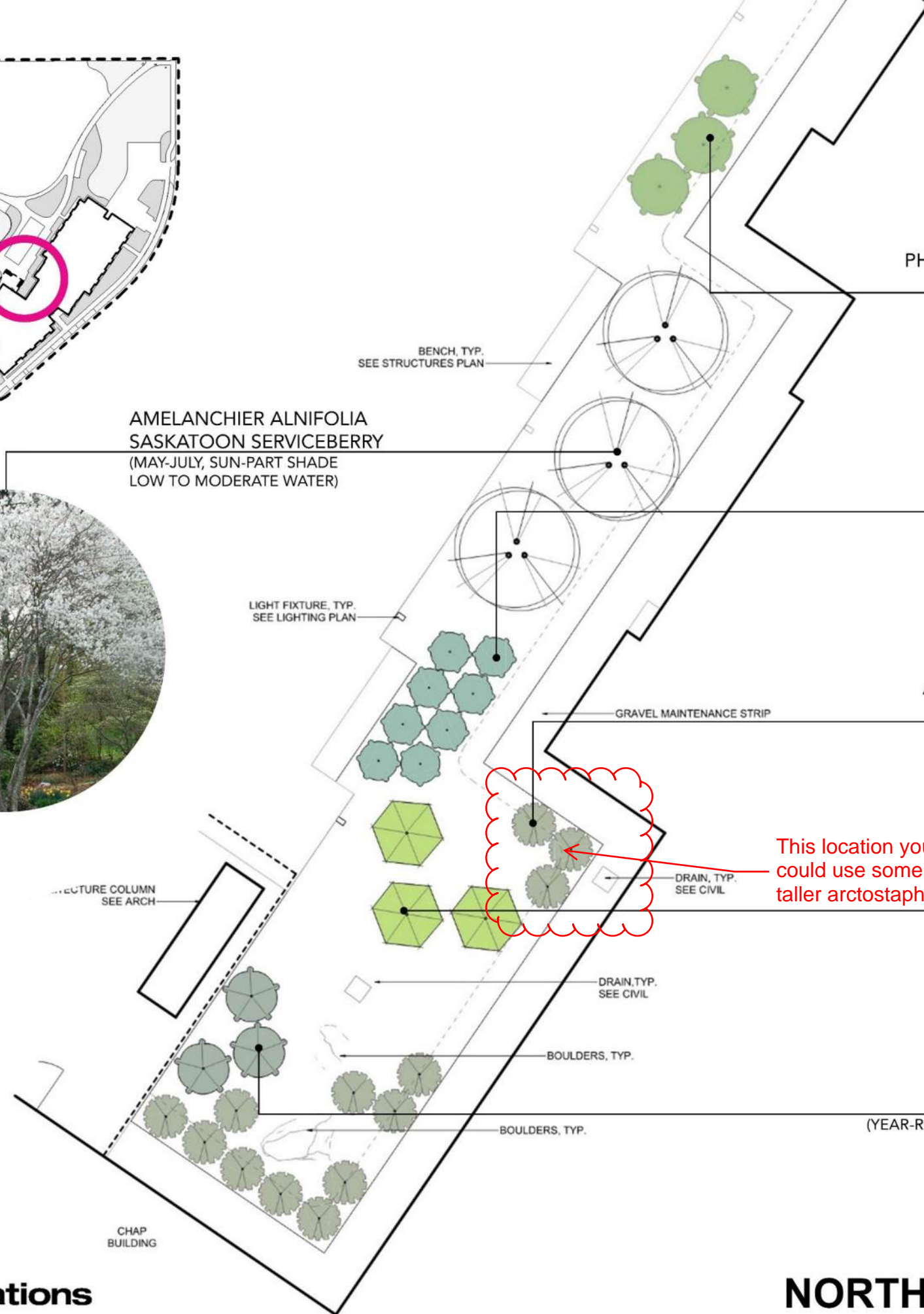


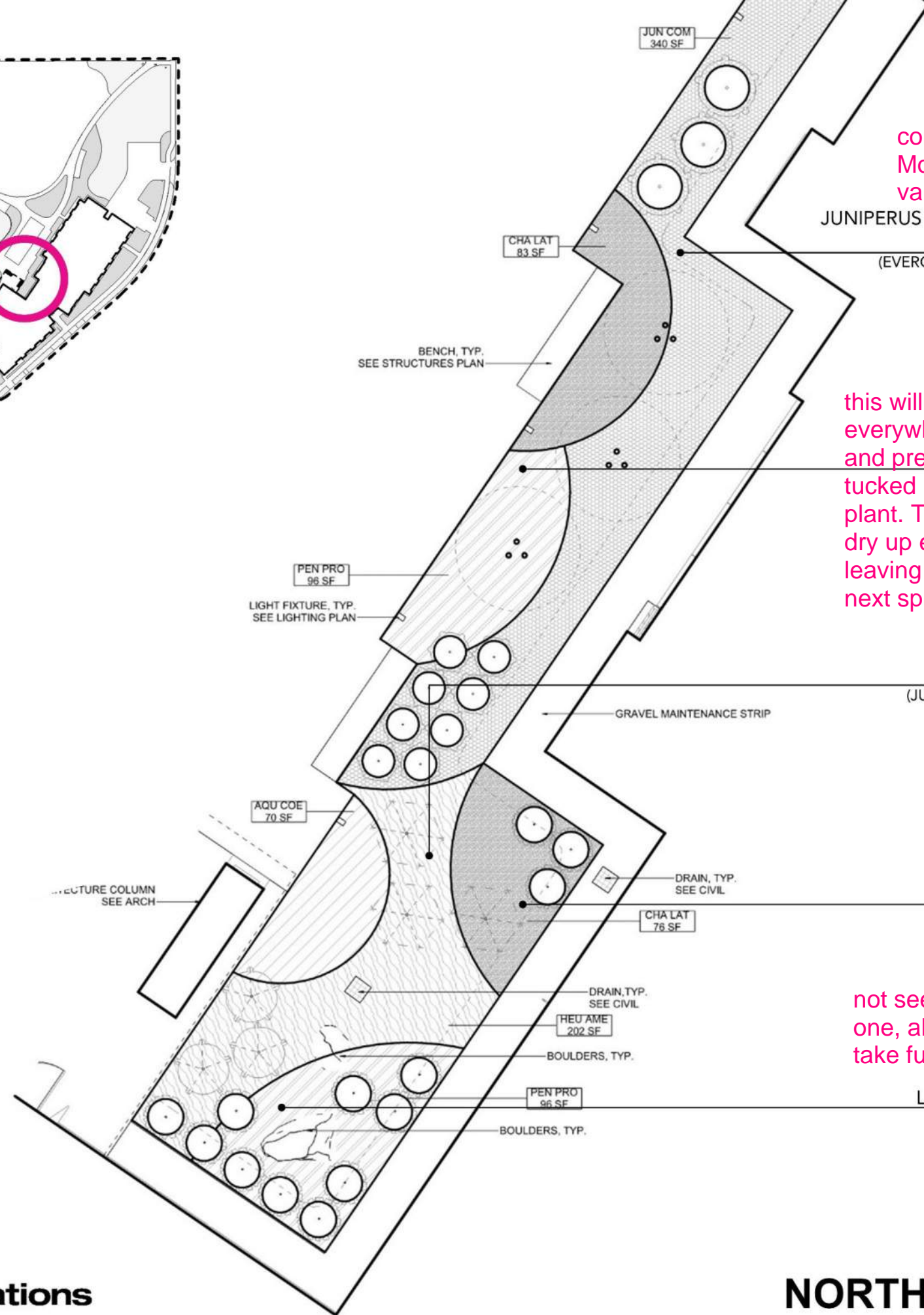
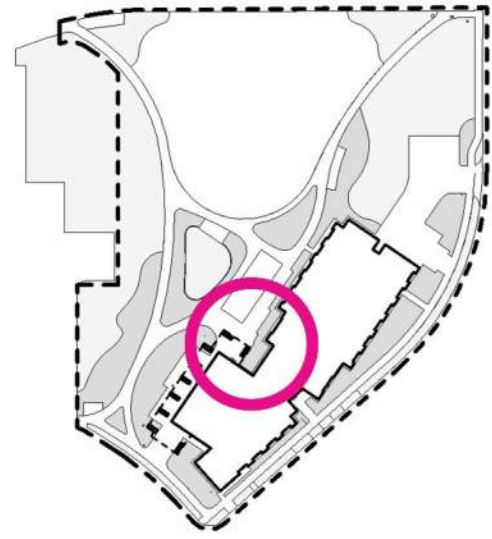
PTELEA TRIFOLIATA
COMMON HOP TREE
(JUNE-AUGUST, SUN-SHADE
LOW TO MODERATE WATER)



CORNUS SERICEA
RED TWIG DOGWOOD
(YEAR-ROUND INTEREST, SUN-PART SHADE,
MODERATE WATER)

be sure to consider multiple
varietal options for this plant.
Height and shape differences.
Does require moderate water





consider either
Mondap or Effusa
variety

JUNIPERUS COMMUNIS VAR DEPRESSA
COMMON JUNIPER
(EVERGREEN, SUN-PART SUN, MED-LOW)



this will apply to columbine
everywhere. Use selectively
and preferably combined or
tucked behind another foliage
plant. The come up bloom and
dry up early in the season
leaving nothing there till the
next spring.

AQUILEGIA COERULEA
COLORADO BLUE COLUMBINE
(MAY-JULY, SUN-PART SHADE, MED-LOW)



HEUCHERA AMERICANA
CORAL BELLS
(JUNE-JULY, SUN-PART SHADE, MED)



CHASMANTHIUM LATIFOLIUM
NORTHERN SEA OATS
(SUN- SHADE, MED)



not seeing availability of this
one, also do not think it will
take full shade

PENSTEMON PROCERUS
LITTLEFLOWER PENSTEMON
(JUNE-AUG, SHADE, MED-LOW)





ARTEMISIA TRIDENTATA
BIG SAGEBRUSH
(JULY-OCT, SUN, LOW)



BLUE FOREST SAVIN JUNIPER
(EVERGREEN, SUN, LOW)



CERCOCARPUS MONTANUS
ALDERLEAF MOUNTAIN MAHOGANY
(SEMI-EVERGREEN, MAY-JUNE, SUN, LOW)



CORNUS SERICEA
RED TWIG DOGWOOD
(YEAR-ROUND INTEREST, SUN-PART SHADE, MED)



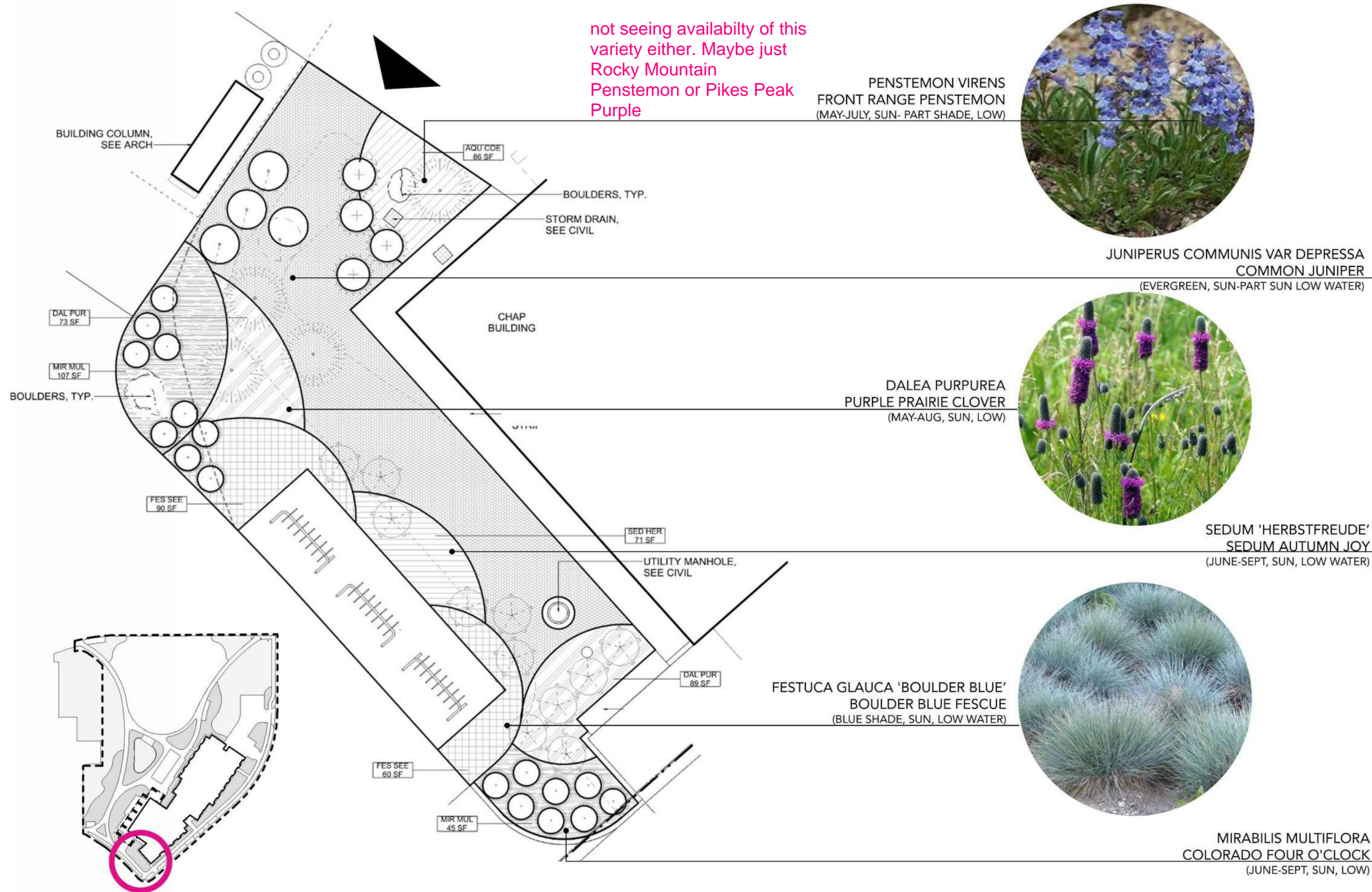
ARCTOSTAPHYLOS X COLORADENSIS
MOCK BEARBERRY MANZANITA
(APRIL-MAY, SUN-PART, MED-VERY LOW)



may be too hot and dry for this here

fieldoperations

SOUTH ENTRYWAY PLANTING LAYOUT: SHRUBS



PENSTEMON VIRENS
FRONT RANGE PENSTEMON
(MAY-JULY, SUN- PART SHADE, LOW)



JUNIPERUS COMMUNIS VAR DEPRESSA
COMMON JUNIPER
(EVERGREEN, SUN-PART SUN LOW WATER)



DALEA PURPUREA
PURPLE PRAIRIE CLOVER
(MAY-AUG, SUN, LOW)



SEDUM 'HERBSTFREUDE'
SEDUM AUTUMN JOY
(JUNE-SEPT, SUN, LOW WATER)



FESTUCA GLAUCA 'BOULDER BLUE'
BOULDER BLUE FESCUE
(BLUE SHADE, SUN, LOW WATER)



MIRABILIS MULTIFLORA
COLORADO FOUR O'CLOCK
(JUNE-SEPT, SUN, LOW)

fieldoperations

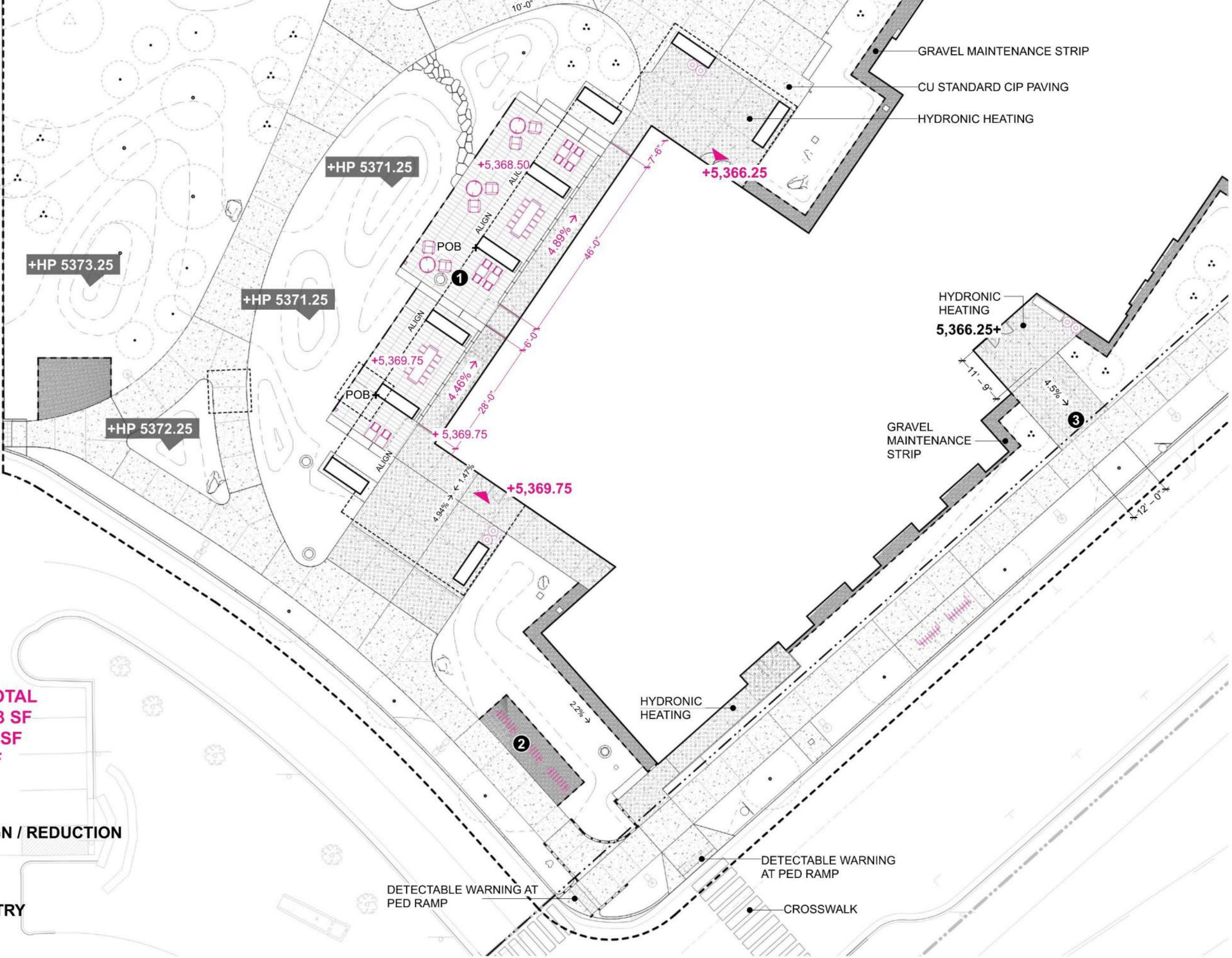
SOUTH ENTRYWAY PLANTING LAYOUT: UNDERSTORY

DESIGN UPDATE:

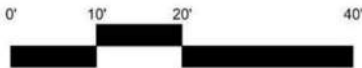
GRADE CHANGE: 3.5'
TERRACES: 2 TOTAL
PRECAST PAVER: 1633 SF
SEAT WALL: 171 SF
WOOD TOPPER: 0 LF

- 1 TERRACE REDESIGN / REDUCTION
- 2 BIKE PARKING
- 3 REGENT DRIVE ENTRY

fieldoperations




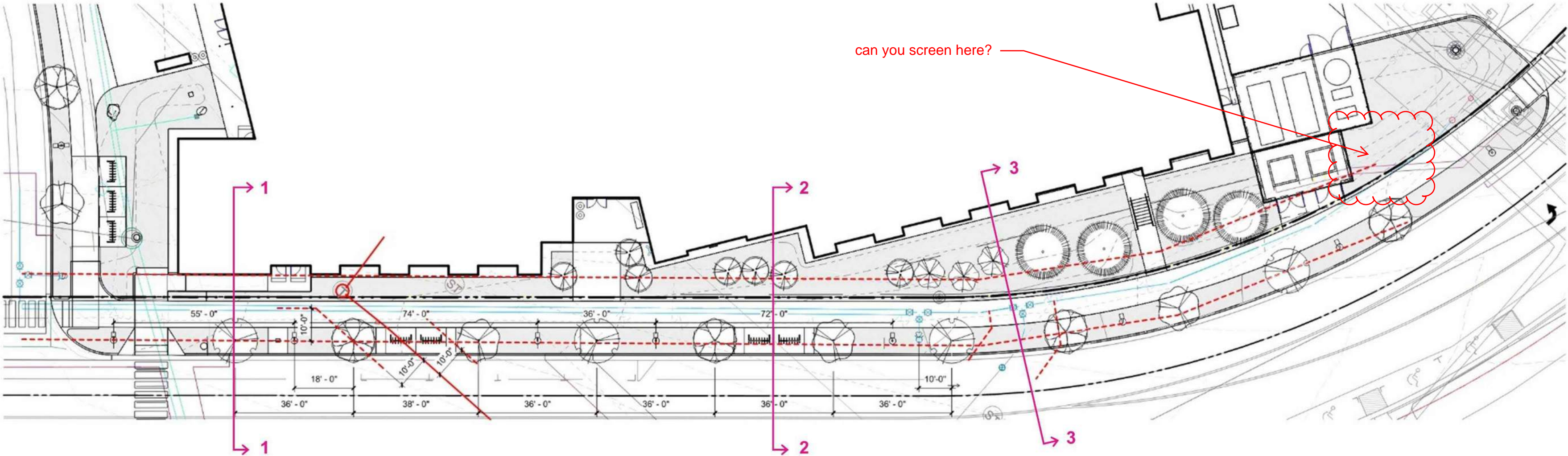
TERRACE REDESIGN



Not seeing any Echineacea in the images or plant selections. ONE of our most successful natives in multiple varieties and colors and has good winter interest, pollinator value and bird food.

Obviously lots of other options for perennials too?!

Plant Schedule					
Symbol	Plant Code	Botanical Name	Common Name	Size	Count
	AM	Acer miyabei	Miyabe Maple	2-1/2"	5
	AS	Acer saccharum Fall Fiesta	Fall Fiesta Sugar Maple	2-1/2"	5
	CC	Cercis canadensis 'Rising Sun'	Rising Sun Eastern Redbud	2-1/2"	3
	PD	Pinus ponderosa	Ponderosa Pine		4
	PM	Prunus maackii	Amur Chokecherry		7
	QM	Quercus muehlenbergii	Chinkapin Oak	2-1/2"	4



fieldoperations

Regent Drive



BOUTELOUA GRACILIS 'BLONDE AMBITION'
BLONDE AMBITION BLUE GRAMA
 (JULY-OCTOBER)



DALEA CANDIDA
WHITE PRAIRIE CLOVER
 (JUNE-SEPT, FULL SUN, LOW)



WYETHIA AMPLEXICAULIS
MULES-EARS
 (JUNE-AUG, SUN, MED-LOW)



FESTUCA GLAUCA 'BOULDER BLUE'
BOULDER BLUE FESCUE
 (SEMI-EVERGREEN, FULL SUN, MED-LOW)



MUHLENBERGIA CAPILLARIS
PINK MUHLY GRASS
 (MAY-NOV, WINTER INTEREST, FULL SUN-PART SHADE, MED-LOW)



CREEPING COTONEASTER
COTONEASTER ADPRESSUS
 (EVERGREEN, SUN-PART SUN, MED-LOW)



UPLAND SEED MIX

NO EDGE BTWN
 PERENNIAL AND SEED MIX

JUNIPERUS COMMUNIS
VAR DEPRESSA
COMMON JUNIPER
 (EVERGREEN, SUN-PART, LOW)



ERIOGONUM UMBELLATUM
SULPHURFLOWER BUCKWHEAT
 (JULY-SEPT, FULL SUN, VERY LOW)



SPOROBOLUS AIROIDES
ALKALI SCATON
 (JUNE-SEPT, FULL SUN, MED-VERY LOW)



AQUILEGIA CHRYSANTHA 'DENVER GOLD'
DENVER GOLD COLUMBINE
 (MAY-OCT, FULL-PART, MED)



fieldoperations

LOADING DOCK PLANTING LAYOUT: UNDERSTORY

*Redbuds relocated to have coverage from wind
fieldoperations



not long lived, disease prone,
not very available. Consider
more native chokecherry
options.

Pinyon Pine is a
very effective
"massing" plant
in Colorado.
Richelle, is it
recommended
on campus?

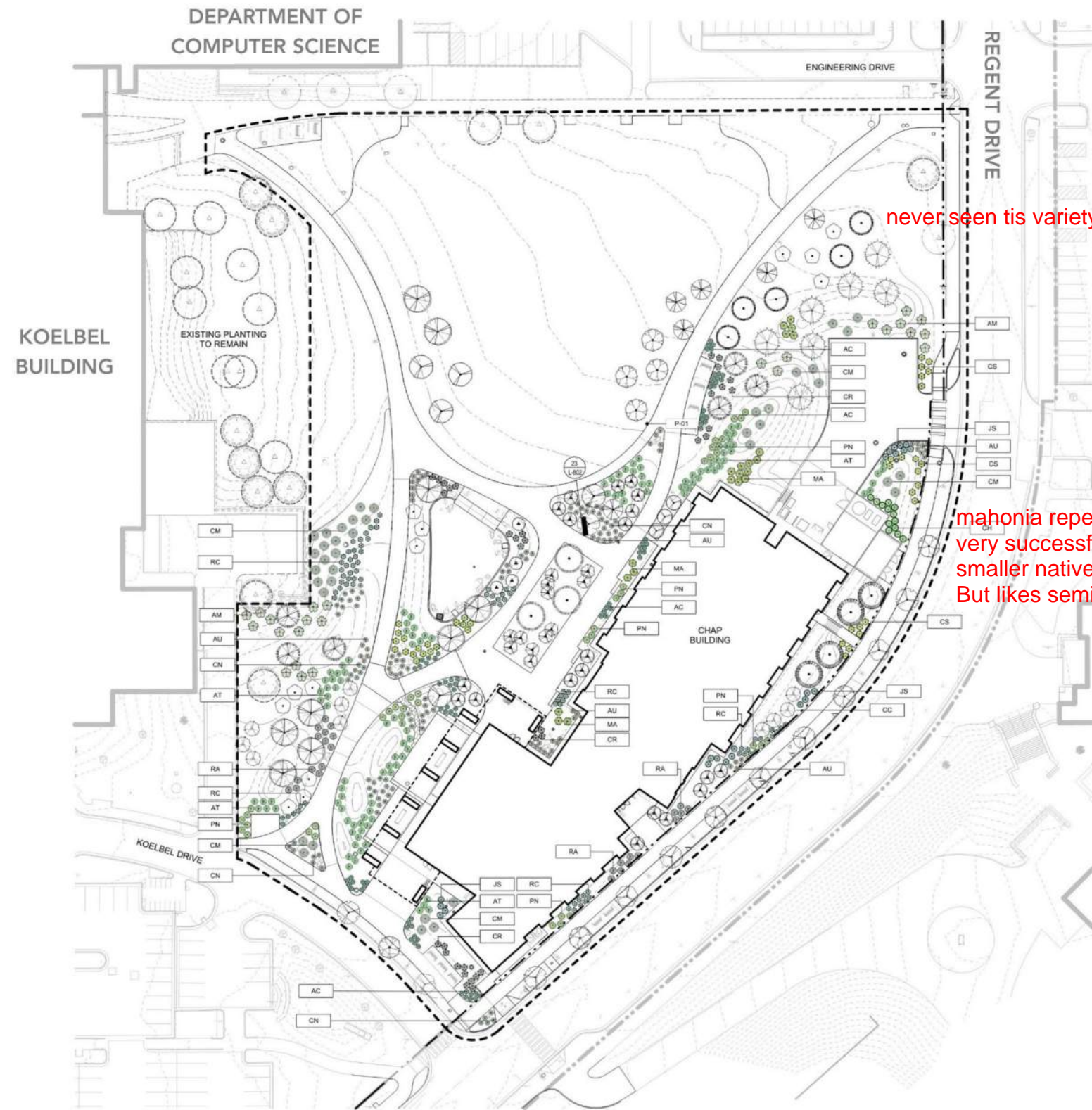
TREE SCHEDULE					
SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	CA	QTY.
	AM	ACER MIYABEI	MIYABEI MAPLE	2.5"	11
	AS	ACER SACCHARUM 'FALL FIESTA'	FALL FIESTA SUGAR MAPLE	2.5"	6
	BN	BETULA NIGRA	RIVER BIRCH	15'	12
	BO	BETULA OCCIDENTALIS	WATER BIRCH	14'	4
	CS	CATALPA SPECIOSA	NOTHERN CATALPA	2.5"	5
	CC	CERCIS CANADENSIS 'RISING SUN'	RISING SUN EASTERN REDBUD	2.5"	10
	CL	CERCOCARPUS LEDIFOLIUS	CURLY LEAF MOUNTAIN MAHOGANY	10-12'	3
	CG	CRATAEGUS CRUS- GALI INERMIS	THORNLESS COCKSPUR HAWTHORN	2.5"	3
	JS	JUNIPERUS SCOPULORUM	ROCKY MOUNTAIN JUNIPER	15'	6
	KP	KOELREUTERIA PANICULATA	GOLDEN RAINTREE	2.5"	6
	PP	PICEA PUNGENS	COLORADO SPRUCE	15'	7
	PF	PINUS FLEXILIS	LIMBER PINE	15'	5
	PD	PINUS PONDEROSA	PONDEROSA PINE	15'	4
	PD2	PINUS PONDEROSA SCOPULORUM	ROCKY MOUNTAIN PONDEROSA PINE	15'	3
	PM	PRUNUS MAACKII	AMUR CHOKECHERRY	10'	17
	QB	QUERCUS BICOLOR	SWAMP WHITE OAK	2.5"	9
	QG	QUERCUS GAMBELII	GAMBEL OAK	2.5"	13
	QM	QUERCUS MUEHLENBERGII	CHINKAPIN OAK	2.5"	4

TOTAL: 128

TREE PLAN



*Ilex removed from project
fieldoperations



SHRUB PLAN
DESIGN UPDATES

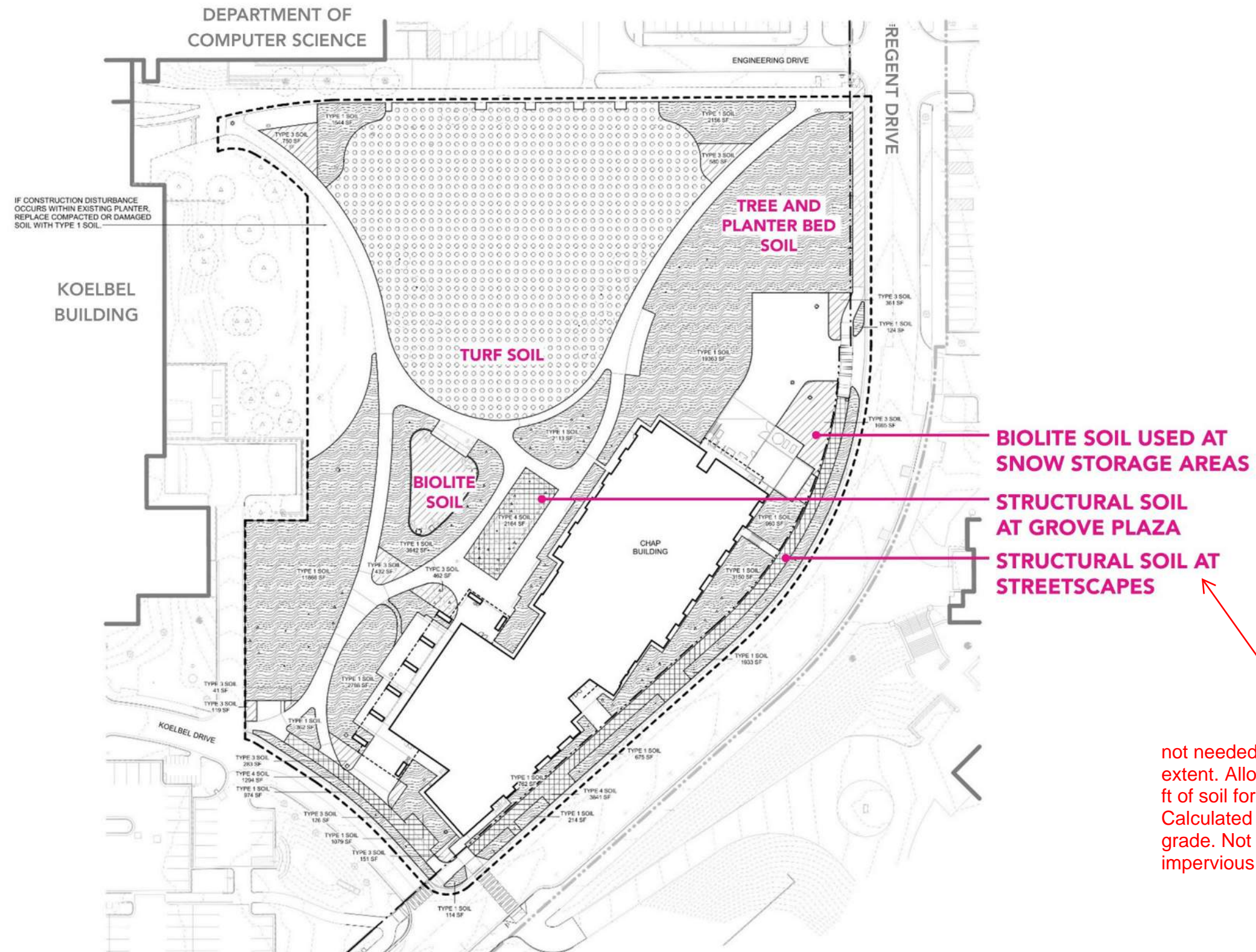
SHRUB SCHEDULE				
SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	QTY.
	AC	ARCTOSTAPHYLOS X COLORADENSIS	MOCK BEARBERRY MANZANITA	86
	AM	AMELANCHIER UTAHENSIS	UTAH SERVICEBERRY	25
	AT	ARTEMISIA TRIDENTATA	BIG SAGEBRUSH	115
	AU	AMELANCHIER UTAHENSIS	KINNIKINNICK	61
	CH	CHAMAEBATIARIA MILLEFOLIUM	FERNBUSH	13
	CM	CERCOCARPUS MONTANUS	ALDERLEAF MOUNTAIN MAHOGANY	39
	CN	CHRUSOTHAMNUS NAUSEOSUS 'YELLOW TWIG'	YELLOW TWIG RABBITBRUSH	87
	CR	CORNUS SERICEA	RED TWIG DOGWOOD	35
	CS	CORNUS SANGUINEA	BLOODTWIG DOGWOOD	40
	JS	JUNIPERUS SABINA	SAVIN JUNIPER	22
	MA	MAHONIA AQUIFOLIUM	OREGON GRAPE	21
	PN	PHYSOCARPUS MONOGYNUS	MOUNTAIN NINEBARK	40
	RA	RHUS AROMATICA	FRAGRANT SUMAC	26
	RC	RIBES CEREUM	WAX CURRANT	77
TOTAL:				687

never seen tis variety

mahonia repens is a very successful smaller native here. But likes semi shade.

Rhus trilobata and varieties also very successful. Denver Forestry recommends to Avoid planting directly under trees to avoid their alleotoxins effect on tree growth





*Soil Cells removed from project
fieldoperations

SOILS PLAN

