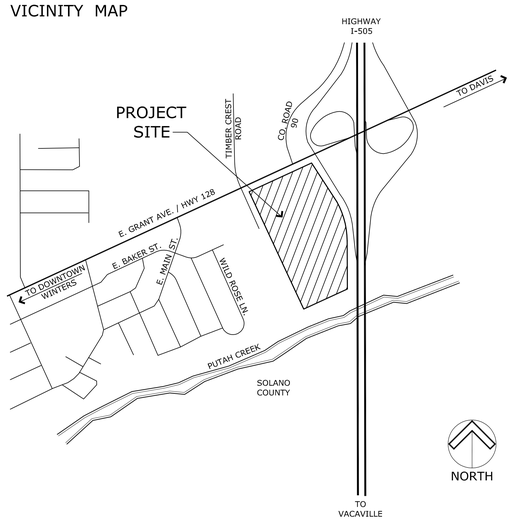
PG&E GAS OPERATIONS
TECHNICAL TRAINING CENTER
WINTERS, CALIFORNIA

SYMBOLS

1	GRID LINE TYPICAL
±0'-0" FINISH FLOOR	WORK POINT, CONTROL POINT OR DATUM POINT
OFFICE 100	ROOM NAME ROOM NUMBER
9800	KEYNOTE TAG SEE NOTES ON SIDE OF SHEET
100	DOOR TAG (DOOR SCHEDULE) SEE PROJECT MANUAL (BOUND SEPARATELY)
A	WINDOW TAG SEE WINDOW SCHEDULE SHEET
X10	SIGNAGE TAGS
A1-1	WALL TYPE TAG
2	REVISION TAG
B1 / B1 A9.1 (REFERENCE NO., SHEET NO.)	DETAIL TAGS
A / D 1 A5.4 B / C (REFERENCE NO., SHEET NO., ELEVATION NO.)	ELEVATION DESIGNATION TAG SEE SHEET INDICATED
1 A3.2 (REFERENCE NO., SHEET NO.)	SECTION CUT TAG SEE SHEET INDICATED
WL 302 36 | 4 | 30 (MILLWORK NO., HEIGHT, DEPTH, WIDTH)	MILLWORK TYPE TAG
012	DEMOLITION KEYNOTE TAG SEE NOTES ON SIDE OF SHEET

Oct 02, 2014 - 9:08am

VICINITY MAP



CONSULTANTS

ARCHITECTURAL

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CIVIL

BKF ENGINEERS
PROJECT MANAGER: JAYSEN LONG
980 9TH STREET, SUITE 1770
SACRAMENTO, CA 95814
TELEPHONE 916 556-5800

LANDSCAPE

CALLANDER ASSOCIATES
PROJECT MANAGER: BEN WOODSIDE
11180 SUN CENTER DRIVE, SUITE 104
RANCHO CORDOVA, CA 95670
TELEPHONE 916 631-1312

PROJECT SUMMARY

OWNER:	PACIFIC GAS & ELECTRIC COMPANY ATTN: KEN BUCK CORPORATE REAL ESTATE STRATEGY & SERVICES 245 MARKET STREET SAN FRANCISCO, CA 94177
PROJECT LOCATION:	EAST GRANT AVENUE AT TIMBER CREST ROAD WINTERS, CA
A.PN.'S:	ALL OR PORTIONS OF THE FOLLOWING PARCELS: 038-070-028 038-070-029 038-070-030 038-070-031 038-070-038 038-070-039
DESCRIPTION:	A NEW GAS OPERATIONS TECHNICAL TRAINING CENTER INCLUDING INDOOR AND OUTDOOR TRAINING AREAS.

DRAWING INDEX

G0.1 COVER SHEET

ARCHITECTURAL

A1.01 OVERALL SITE PLAN
A1.02 DETAILED SITE PLAN (NORTH)
A2.A1 LEARNING CENTER BUILDING FLOOR PLAN
A2.B1 T&D TECH. CENTER BUILDING FLOOR PLAN & ELEVATIONS
A3.A1 LEARNING CENTER EXTERIOR ELEVATIONS

CIVIL

C1.0 EXISTING CONDITIONS
C2.0 OVERALL GRADING PLAN
C2.1 GRADING PLAN
C2.2 GRADING PLAN
C3.0 OVERALL UTILITY PLAN
C3.1 UTILITY PLAN
C3.2 UTILITY PLAN
C4.0 FIRE TRUCK CIRCULATION
C5.0 GRANT AVENUE IMPROVEMENTS

LANDSCAPE

L1.0 CONCEPTUAL LANDSCAPE PLAN, SITE AREA A (NORTH)
L1.1 CONCEPTUAL LANDSCAPE PLAN, SITE AREA B (SOUTH)
L1.2 PLANTING SCHEDULE
L1.3 PARKING LOT SHADING PLAN

ELECTRICAL

SL1 SITE LIGHTING PHOTOMETRICS
SL2 SITE LIGHTING DETAILS

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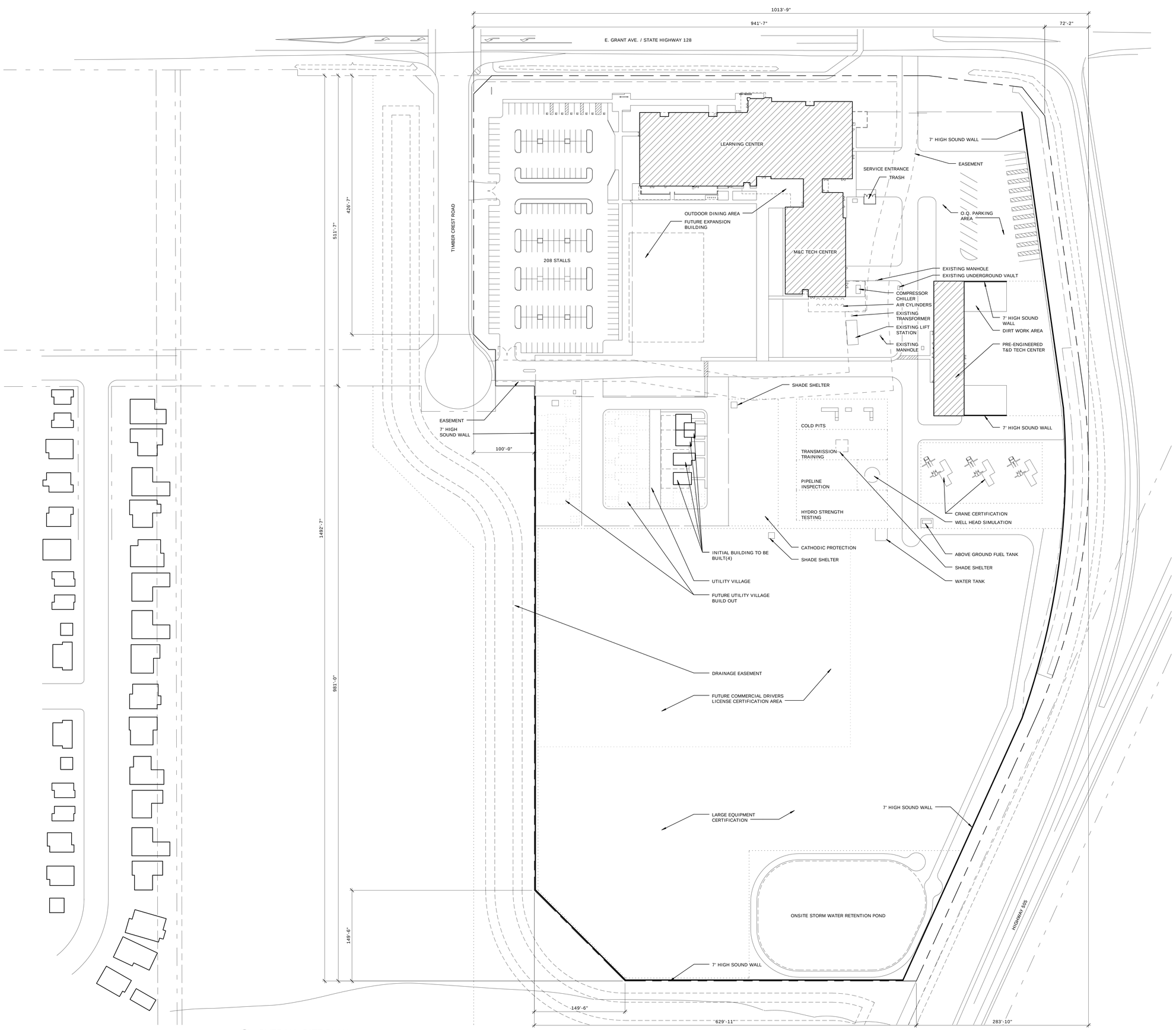
PG&E

PG&E GAS OPERATIONS
TECHNICAL TRAINING CENTER

COVER SHEET

B3011.02
1"=80'
6 October 2014

G0.01



1 OVERALL SITE PLAN
1" = 60'-0"

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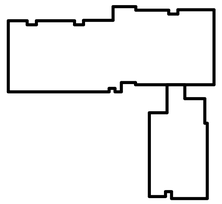
GENERAL NOTES

1. REFER TO ENLARGE PLAN FOR DETAIL.
2. FOR PARKING SUMMARY, SEE SHEET A1.02



KEY PLAN

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SCHEMATIC DESIGN

REVISION	BY	DATE

PG&E

PG&E Gas Operations
Technical Training Center

LEARNING CENTER

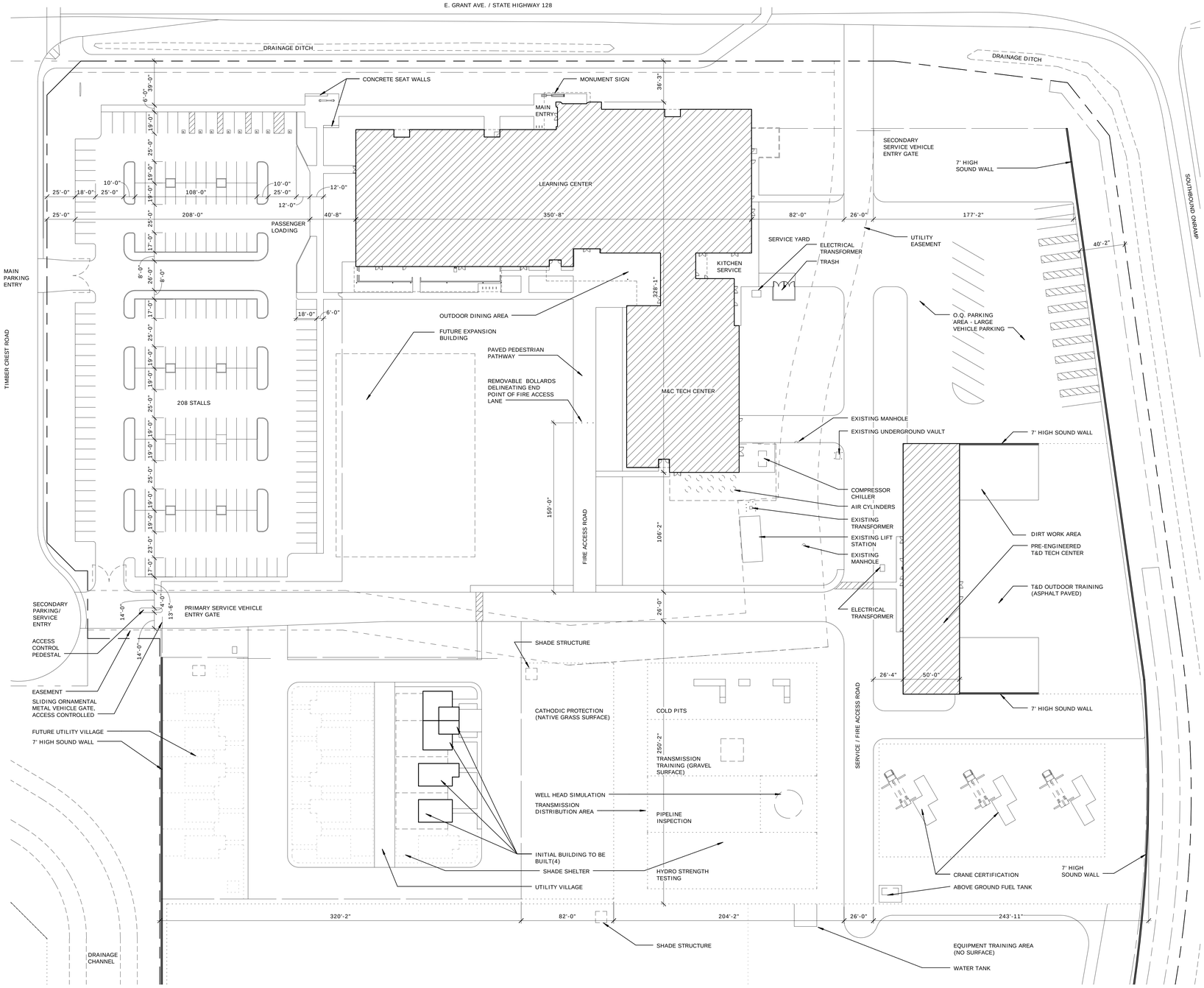
SITE PLAN- OVERALL

NORTH

B3011.01
As indicated
10.31.14

A1.01

11/18/2014 4:25:01 PM C:\Users\bleiholz\Desktop\B3011_02-A-Learning Center Building-Central-A15-bleiholz.rvt



1 ENLARGED SITE PLAN
1" = 40'-0"

OFF STREET PARKING SUMMARY

CODE REQUIREMENT: 17.72 TABLE 6 - UTILITY SERVICE MAJOR REQUIRES PARKING PER APPROVED SITE PLAN

PROVIDED	MAIN LOT
STANDARD STALLS	184
ACCESSIBLE STALLS	8
COMPACT STALLS	16
TOTAL	208

OTHER ON-SITE PARKING LOCATED WITHIN THE SECURITY FENCE USED FOR PARKING OF RESIDENT VEHICLE & EQUIPMENT FLEET, TRAINING VEHICLES, DELIVERY & SERVICE VEHICLES ARE NOT INCLUDED IN OFF-STREET PARKING COUNTS

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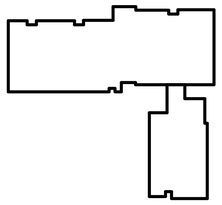
GENERAL NOTES

1. THE ACCESSIBLE ROUTE OF TRAVEL (OR PATH OF TRAVEL) IS A CONTINUOUS UNOBSTRUCTED WALKWAY (OR PATH) CONNECTING ALL ACCESSIBLE ELEMENTS AND SPACES AS INDICATED ON THIS SHEET. THE CONTRACTOR SHALL VERIFY THAT A PERSON CAN NEGOTIATE THE ACCESSIBLE ROUTE WITH A DISABILITY USING A WHEELCHAIR AND THAT THE ROUTE IS ALSO SAFE AND USABLE BY PERSONS WITH OTHER DISABILITIES.
2. ALL WALKS, SIDEWALKS AND LANDINGS THAT ARE PART OF THE ACCESSIBLE ROUTE OF TRAVEL SHALL HAVE A CONTINUOUS COMMON SURFACE, NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING 1/2 INCH, AND SHALL HAVE A MINIMUM WIDTH OF 48 INCHES, UNLESS NOTED OTHERWISE. THE SLOPE IN THE DIRECTION OF TRAVEL SHALL BE LESS THAN 1:20 (5%) WITH A MAXIMUM CROSS SLOPE OF 1/4 INCH PER FOOT (2%), UNLESS OTHERWISE NOTED.
3. ALL DESIGNATED ACCESSIBLE RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1:12 (8.33%) IN THE DIRECTION OF TRAVEL WITH A MAXIMUM CROSS SLOPE OF 1/4 INCH PER FOOT (2%), UNLESS OTHERWISE NOTED.
4. AT FLATWORK, PROVIDE CONTROL JOINTS AS INDICATED AND EXPANSION JOINTS AT 20'-0" O.C. MAXIMUM, SEE DETAIL X/XX.XX
5. SEE CIVIL DRAWINGS FOR FULL EXTENT OF SITE WORK IN THIS CONTRACT.



KEY PLAN

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SCHEMATIC DESIGN

REVISION	BY	DATE

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PG&E Gas Operations Technical Training Center

LEARNING CENTER

SITE PLAN

NORTH

B3011.01
As indicated
10.31.14

A1.02

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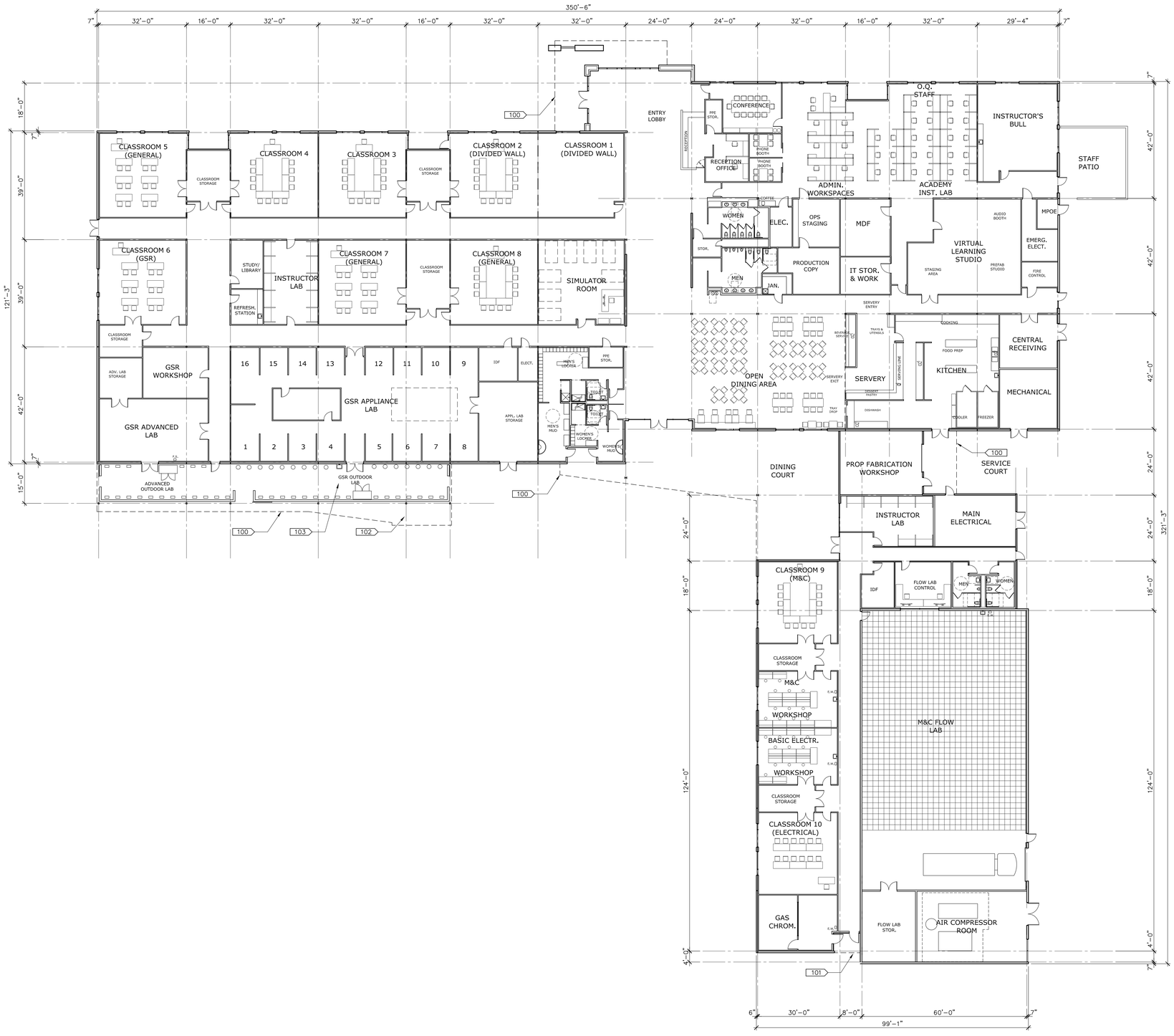

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KEYNOTES

100 ROOF CANOPY ABOVE
101 ROOF OVERHANG
102 COVERED BICYCLE PARKING
103 COVERED METER/GAS REGULATOR TRAINING AREA

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PG&E GAS OPERATIONS TECHNICAL TRAINING CENTER

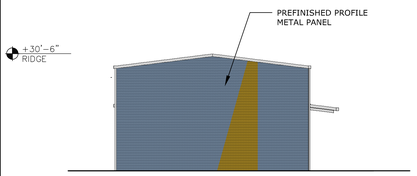
LEARNING CENTER BUILDING OVERALL FLOOR PLAN

NORTH

B3011.02
1/16" = 1'-0"
6 October 2014

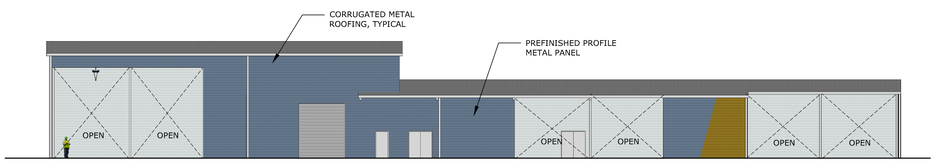
A2.A1

Oct 02, 2014 - 8:07pm



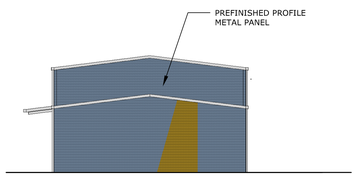
2 T&D NORTH ELEVATION

1"=16'-0"



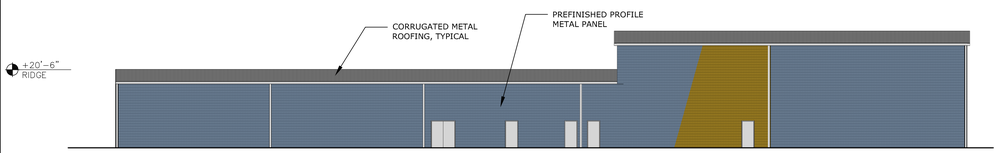
3 T&D EAST ELEVATION

1"=16'-0"



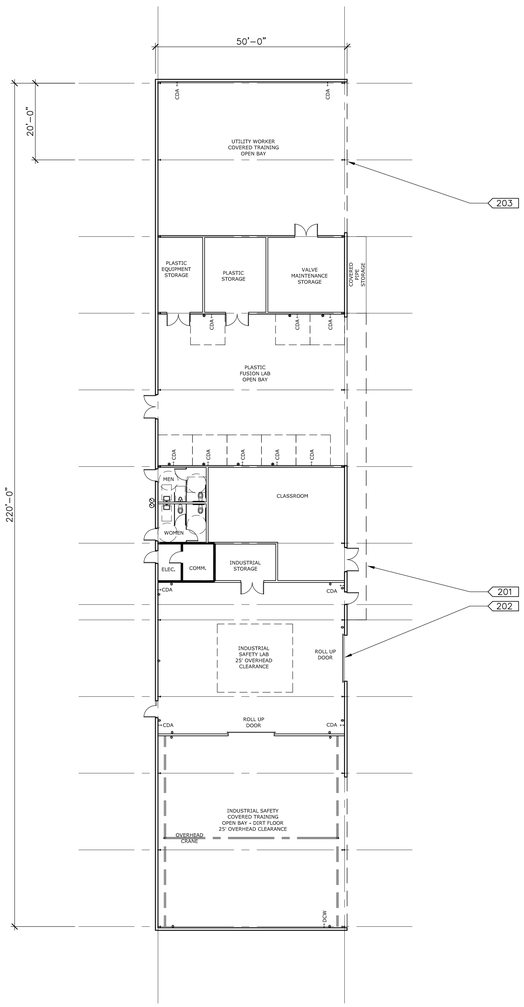
4 T&D SOUTH ELEVATION

1"=16'-0"



5 T&D WEST ELEVATION

1"=16'-0"



1 T&D TECH CENTER FLOOR PLAN

1"=16'-0"

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KEYNOTES

200 PROFILED METAL SIDING
201 ROOF OVERHANG
202 METAL ROLL UP DOOR
203 PRE-ENGINEERED BUILDING COLUMN FRAME

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PG&E GAS OPERATIONS
TECHNICAL TRAINING CENTER

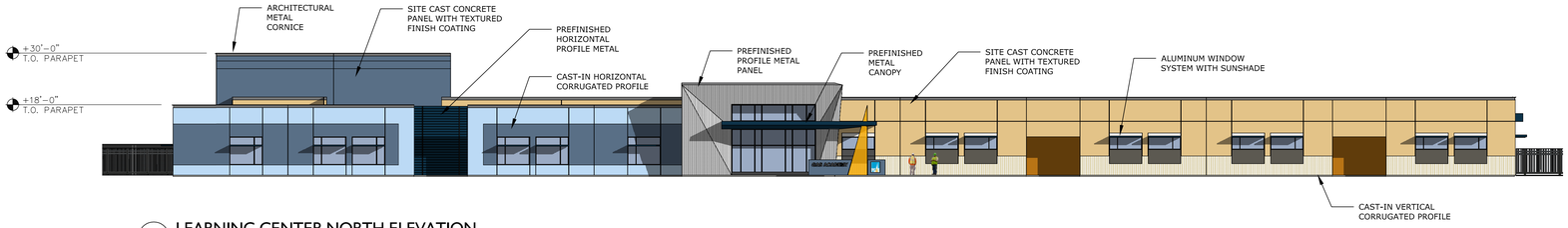
T&D TECH CENTER BUILDING
FLOOR PLAN & ELEVATIONS

NORTH

B3011.02
1/8" = 1'-0" U.O.N.
6 October 2014

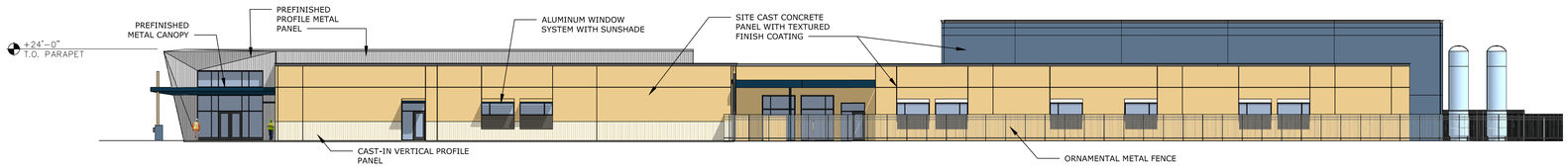
A2.B1

Oct 02, 2014 - 8:40am



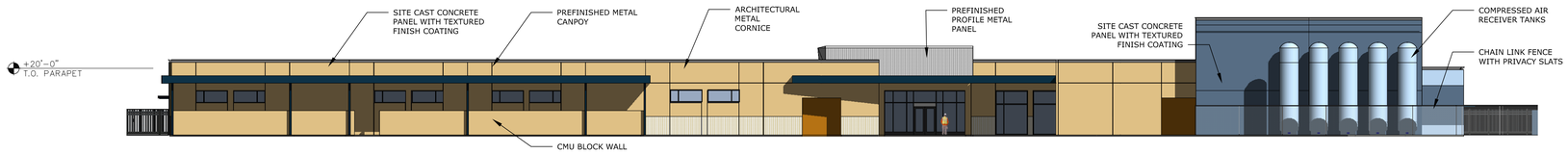
1 LEARNING CENTER NORTH ELEVATION

1"=16'-0"



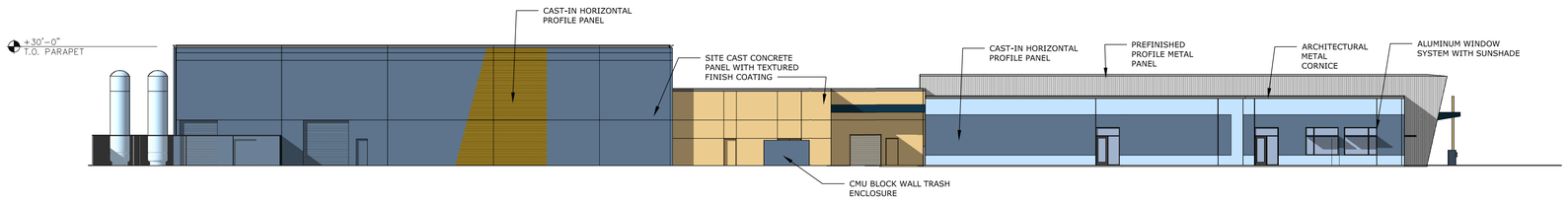
2 LEARNING CENTER WEST ELEVATION

1"=16'-0"



3 LEARNING CENTER SOUTH ELEVATION

1"=16'-0"



4 LEARNING CENTER EAST ELEVATION

1"=16'-0"

8 LEARNING CENTER PERSPECTIVE - GROUND LEVEL

NTS

9 LEARNING CENTER PERSPECTIVE - GROUND LEVEL

NTS

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PG&E GAS OPERATIONS TECHNICAL TRAINING CENTER

LEARNING CENTER BUILDING A EXTERIOR ELEVATIONS AND PERSPECTIVES

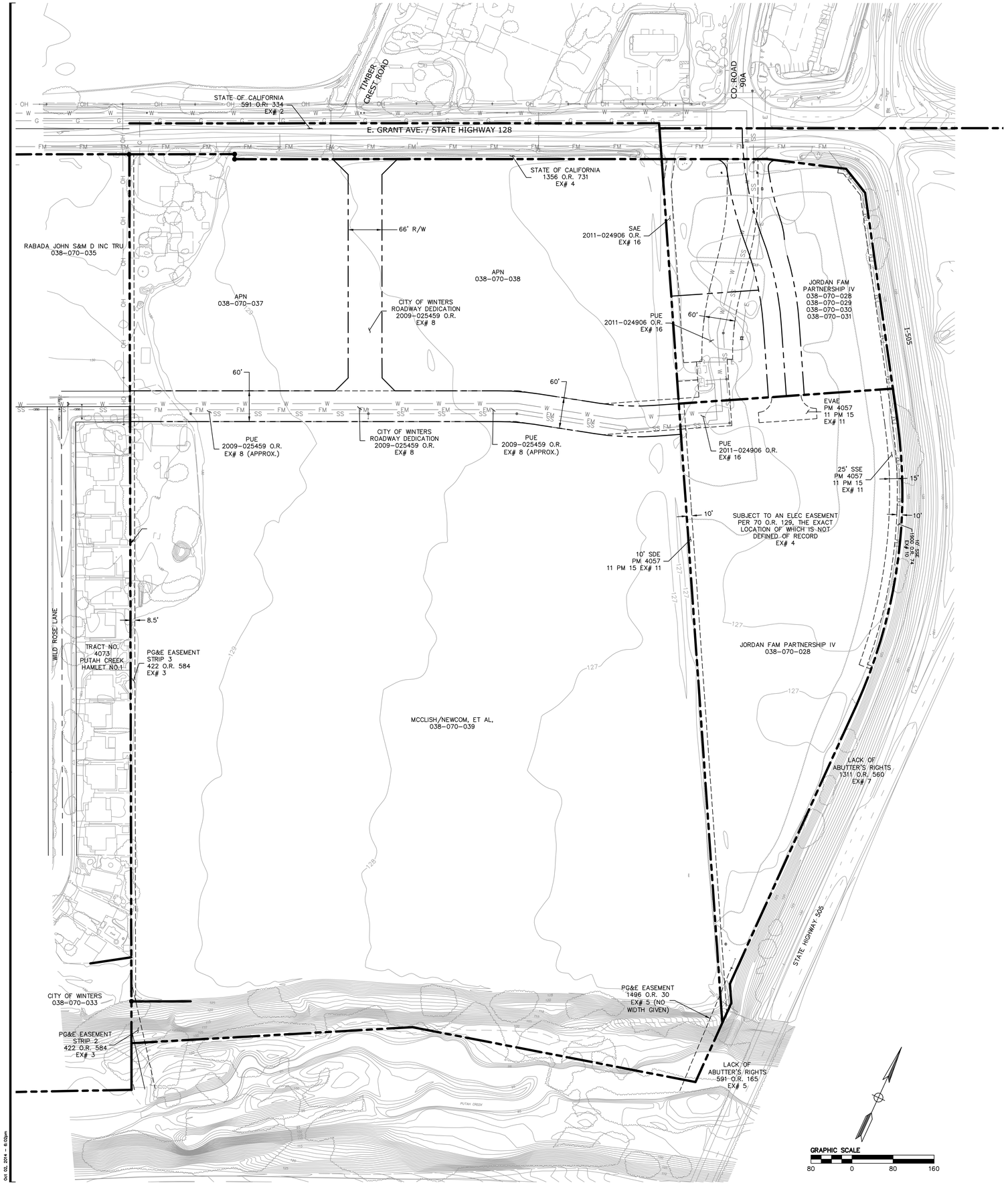
B3011.02

1"= 16'

6 October 2014

A3.A1

Oct. 02, 2014 - 8:08am



ABBREVIATIONS

AB	AGGREGATE BASE	JB	JUNCTION BOX
AC	ASPHALT CONCRETE	MAX	MAXIMUM
AE	PRIVATE ACCESS EASEMENT	MH	MANHOLE
APN	ACCESSOR'S PARCEL NUMBER	MIN	MINIMUM
APPROX.	APPROXIMATE	(N)	NORTH
BFP	BACKFLOW PREVENTER DEVICE	OH	OVERHEAD
BO	BLOWOFF VALVE	O.R.	OFFICIAL RECORD
BOT	BOTTOM	PAE	PUBLIC ACCESS EASEMENT
CFS	CUBIC FEET PER SECOND	PIV	POST INDICATOR VALVE
CMP	CORRUGATED METAL PIPE	PL	PROPERTY LINE
CO	CLEANOUT	PM	PARCEL MAP
CO.	COUNTY	P.O.C.	POINT OF CONNECTION
CV	CHECK VALVE	PSUE	PUBLIC SERVICE UTILITY EASEMENT
DR.	DRIVE	R/W	RIGHT OF WAY
DW	DOMESTIC WATER	RCP	REINFORCED CONCRETE PIPE
(E)	EAST	RIM	RIM ELEVATION
E	ELECTRICAL	(O)	SOUTH
ELEV	ELEVATION	S	SLOPE
EVAE	EMERGENCY VEHICLE ACCESS EASEMENT	SAE	SEWER ACCESS EASMENT
EX	EXISTING	SD	STORM DRAIN
FDC	FIRE DEPARTMENT CONNECTION	SDDI	STORM DRAIN DRAIN INLET
FF	FINISHED FLOOR	SDMH	STORM DRAIN MANHOLE
FH	FIRE HYDRANT	SHLD	SHOULDER
FL	FLOWLINE	SS	SANITARY SEWER
FM	FORCE MAIN	SSCO	SANITARY SEWER CLEANOUT
FS	FINISHED SURFACE	SSMH	SANITARY SEWER MANHOLE
FW	FIRE WATER	TC	TOP OF CURB
G	GAS	TFC	TOP OF FLUSH CURB
GI	GREASE INTERCEPTOR	TYP.	TYPICAL
GND	GROUND	(W)	WEST
GR	GRATE	W	WATER
INV	INVERT	WM	WATER METER

LEGEND

	EXISTING	PROPOSED
PROPERTY LINE		
EASEMENT LINE		
OVERHEAD LINE	OH	
GAS LINE	G	
SANITARY SEWER LINE	SS	
SANITARY SEWER FORCE MAIN LINE	FM	
STORM DRAIN LINE		
WATER LINE	W	
FENCE		X
BACKFLOW PREVENTER		BFP
BLOW OFF VALVE		BO
CHECK VALVE		CV
CLEANOUT		CO
DRAIN INLET		
FIRE HYDRANT		FH
FIRE DEPARTMENT CONNECTION		FDC
JUNCTION BOX		
SANITARY SEWER MANHOLE		
STORM DRAIN MANHOLE		
POST INDICATOR VALVE		PIV
WATER METER		WM
WATER VALVE		WV

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PG&E GAS OPERATIONS
TECHNICAL TRAINING CENTER

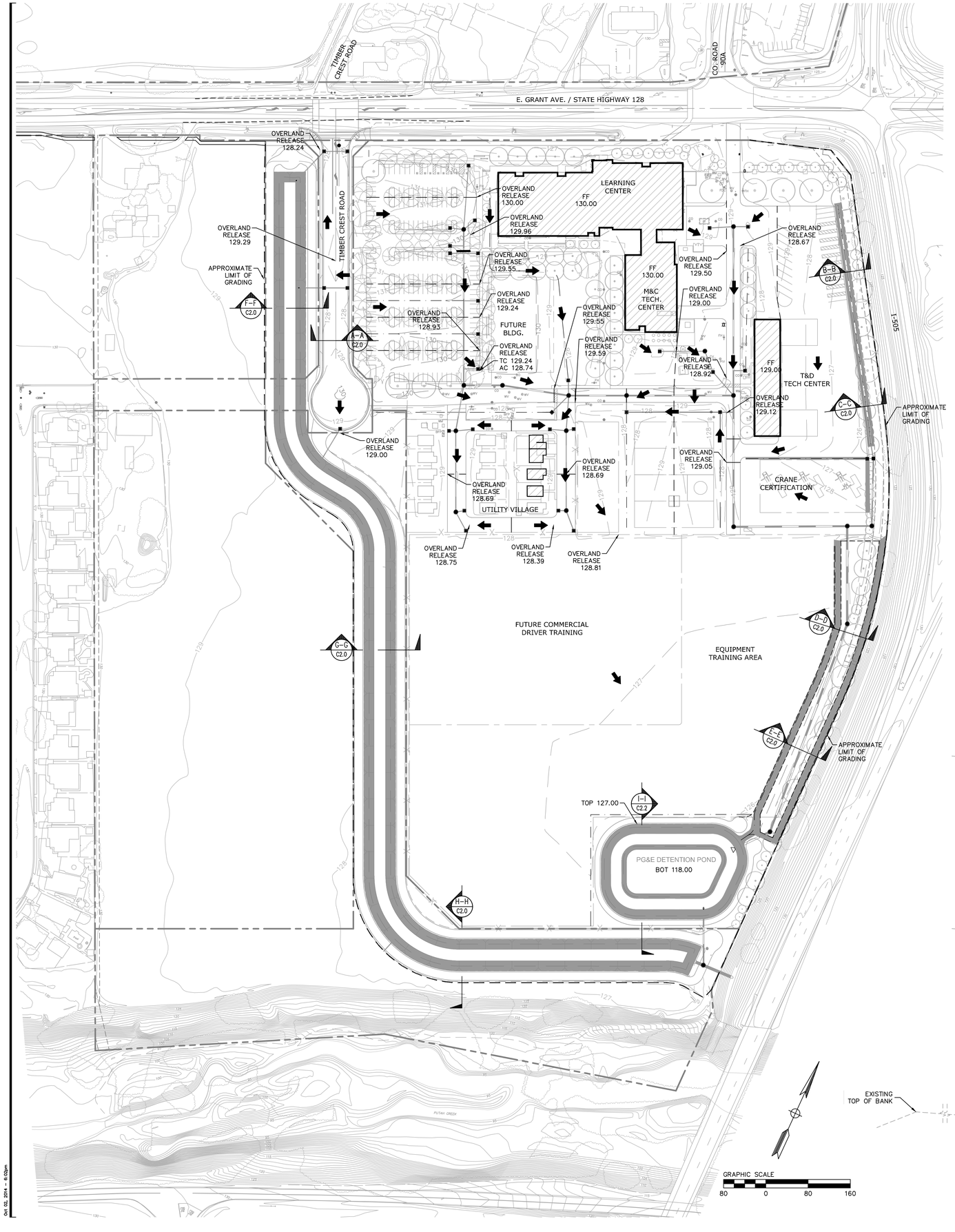
EXISTING CONDITIONS

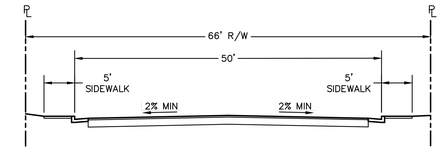
NORTH

B3011.00
SCALE AS SHOWN
6 OCTOBER 2014

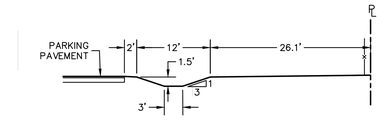
C1.0

Oct 02, 2014 - 6:02pm

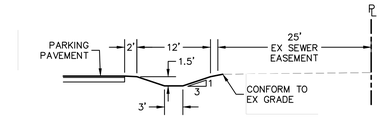




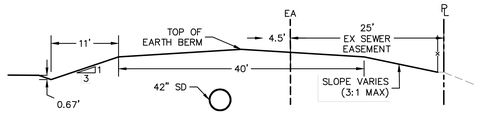
CROSS SECTION A–A
TIMBERCREST ROAD
SCALE: 1" = 10'



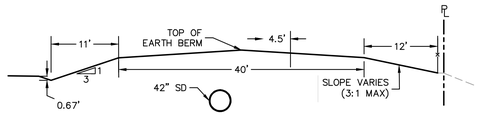
CROSS SECTION B–B
DRAINAGE DITCH AT PARKING
SCALE: 1" = 10'



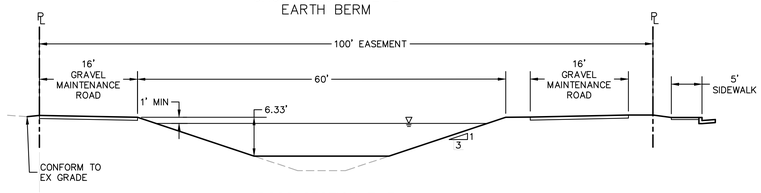
CROSS SECTION C–C
DRAINAGE DITCH AT PARKING
SCALE: 1" = 10'



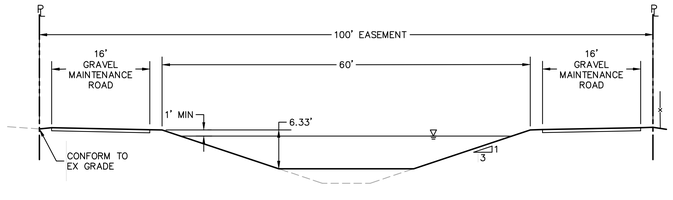
CROSS SECTION D–D
EARTH BERM
SCALE: 1" = 10'



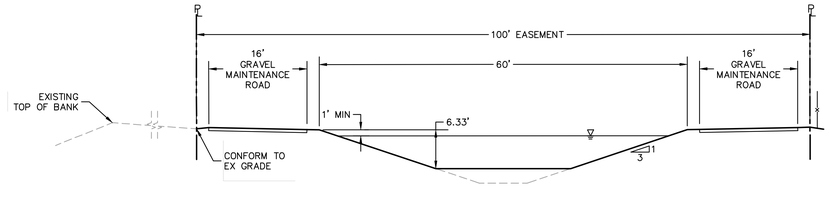
CROSS SECTION E–E
EARTH BERM



CROSS SECTION F–F
DIVERSION CHANNEL (INTERIM CONDITION)
SCALE: 1" = 10'



CROSS SECTION G–G
DIVERSION CHANNEL (INTERIM CONDITION)
SCALE: 1" = 10'



CROSS SECTION H–H
DIVERSION CHANNEL (INTERIM CONDITION)
SCALE: 1" = 10'

ABBREVIATIONS

AC	ASPHALT CONCRETE
BOT	BOTTOM
EX	EXISTING
FF	FINISHED FLOOR
FL	FLOWLINE
FS	FINISHED SURFACE
GND	GROUND
GR	GRATE
OLR	OVERLAND RELEASE
TC	TOP OF CURB
TFC	TOP OF FLUSH CURB

SLOPE EXCEEDS 3:1

OVERLAND RELEASE FLOW DIRECTION

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PG&E GAS OPERATIONS
TECHNICAL TRAINING CENTER

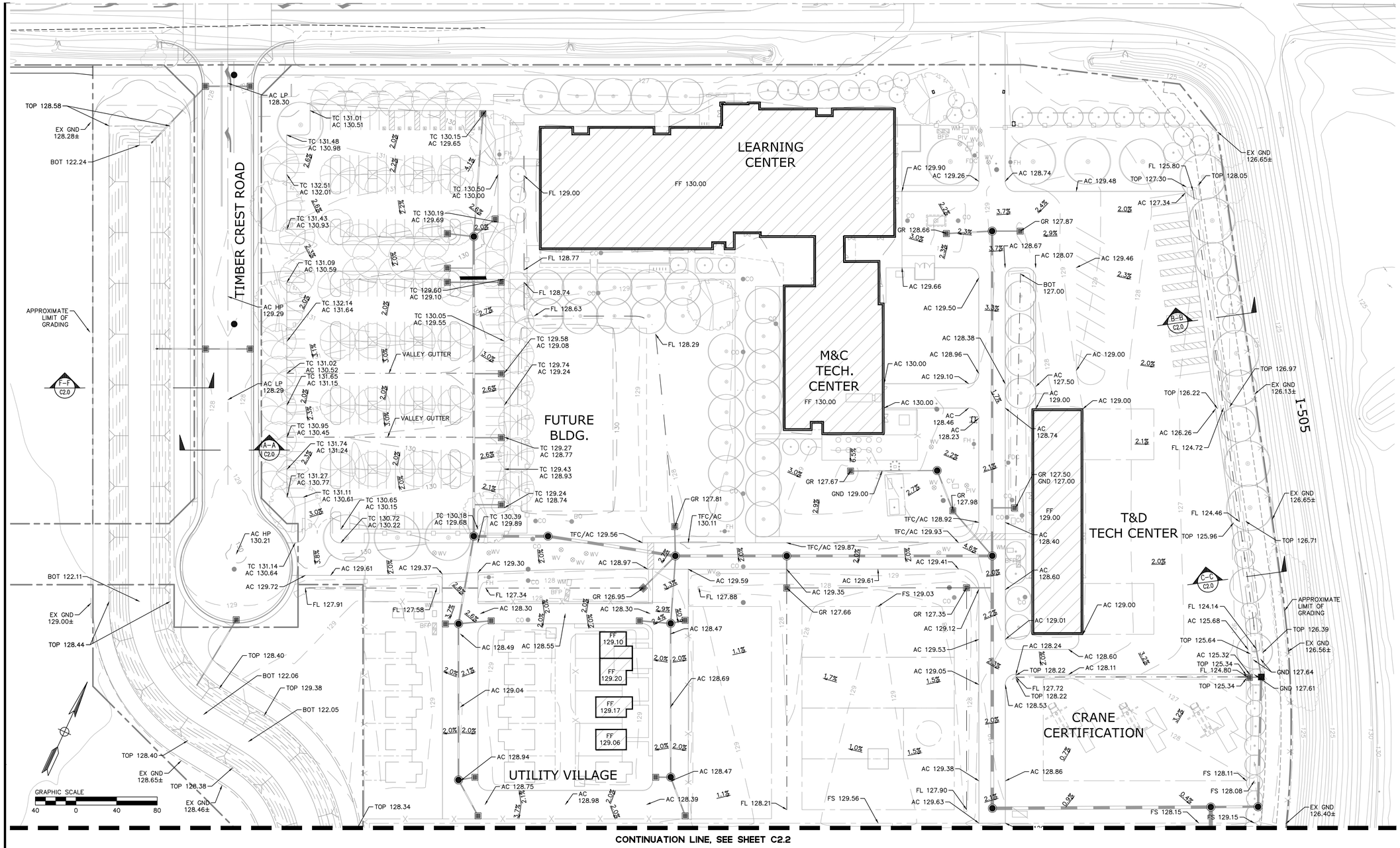
OVERALL GRADING PLAN

NORTH

B3011.00
SCALE AS SHOWN
6 OCTOBER 2014

C2.0

Oct 02, 2014 – 6:02pm



ABBREVIATIONS

AC	ASPHALT CONCRETE
BOT	BOTTOM
EX	EXISTING
FF	FINISHED FLOOR
FL	FLOWLINE
FS	FINISHED SURFACE
GND	GROUND
GR	GRATE
OLR	OVERLAND RELEASE
TC	TOP OF CURB
TFC	TOP OF FLUSH CURB

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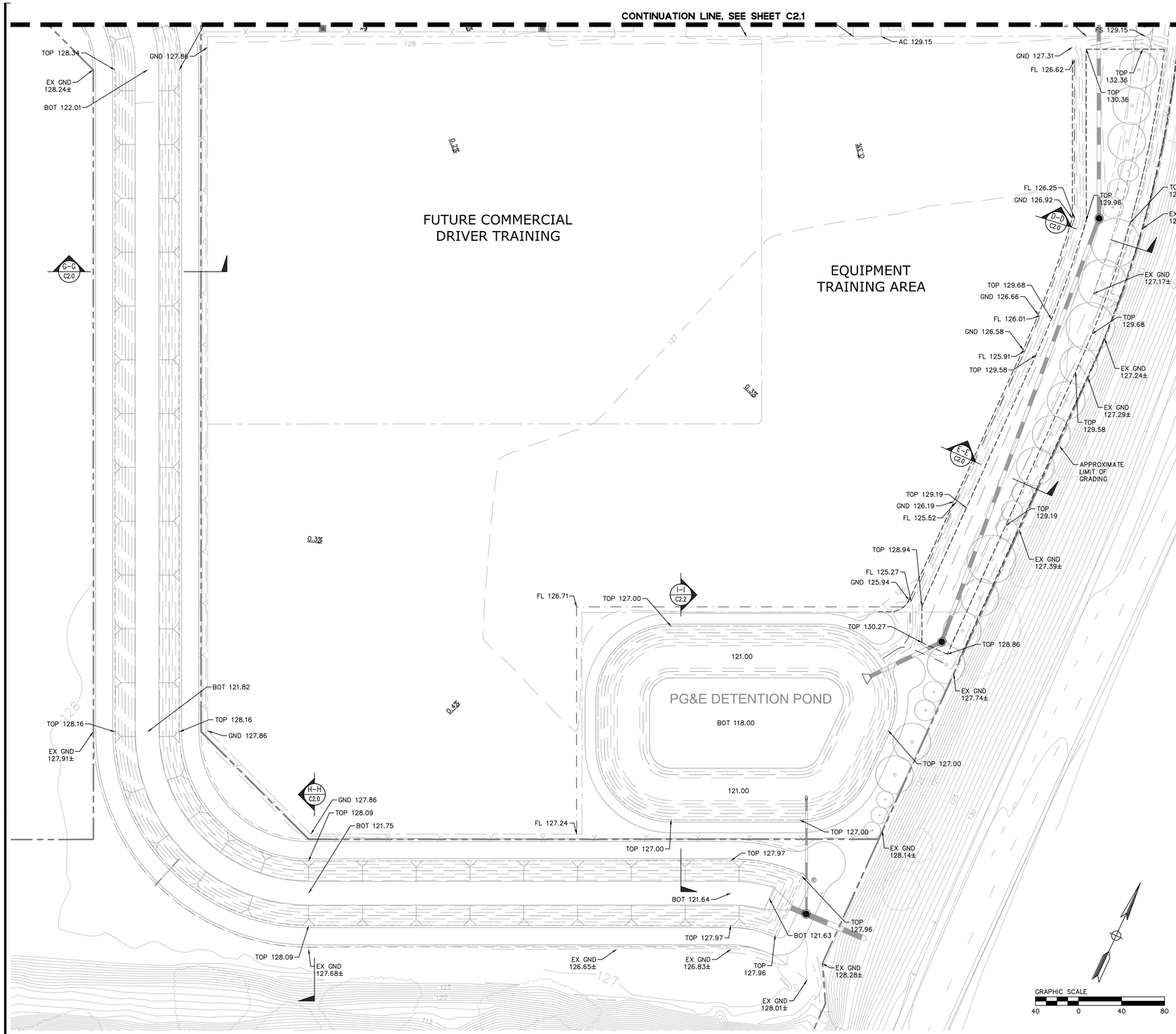

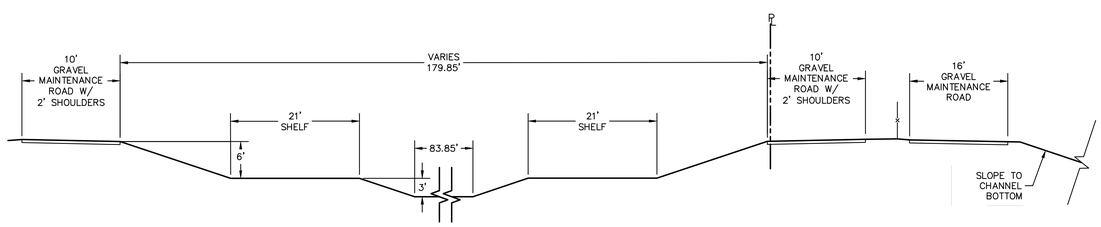

CROSS SECTION I-I
DETENTION BASIN
SCALE: 1" = 10'

ABBREVIATIONS

AC	ASPHALT CONCRETE
BOT	BOTTOM
EX	EXISTING
FF	FINISHED FLOOR
FL	FLOWLINE
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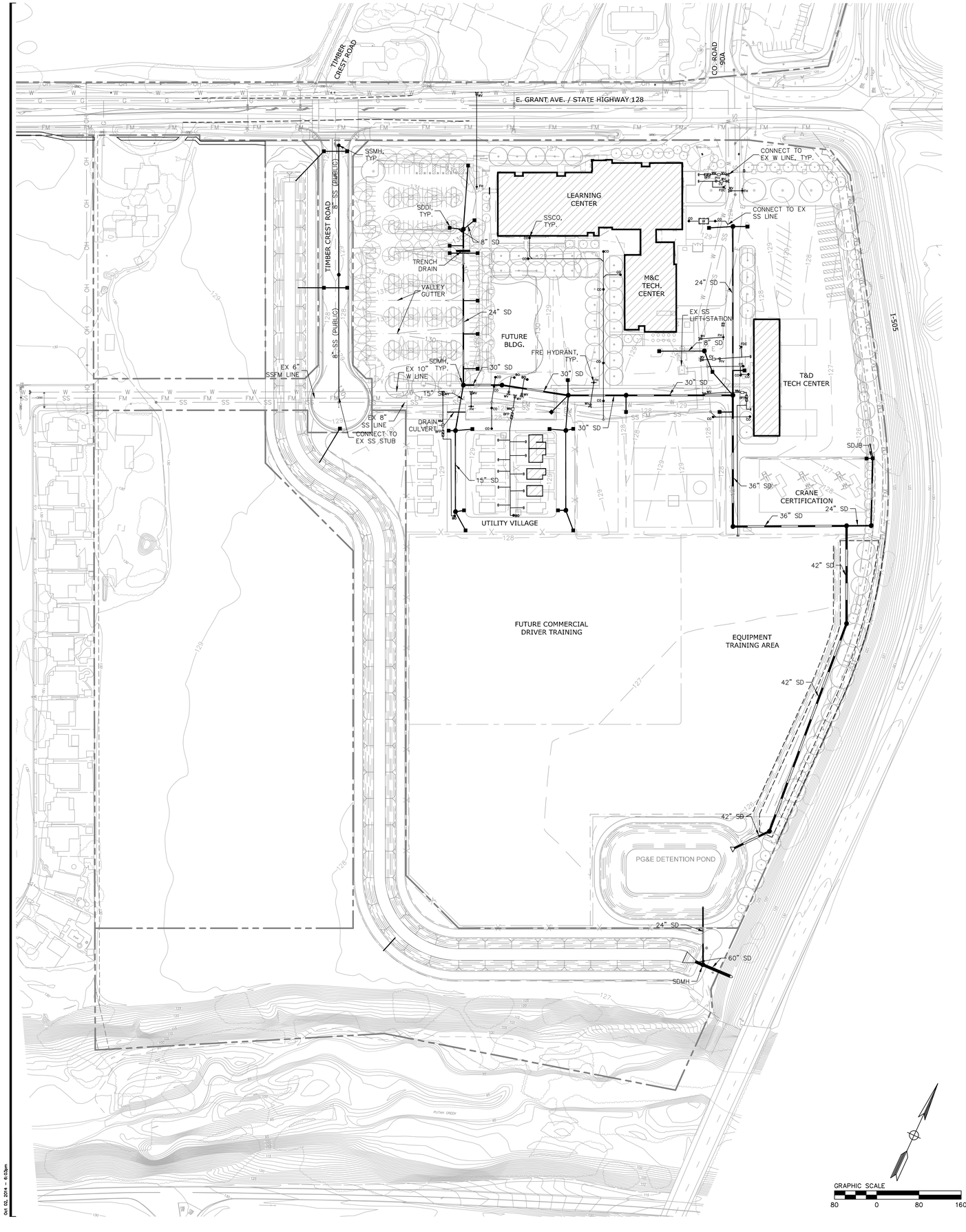

ABBREVIATIONS

BFP	BACKFLOW PREVENTER DEVICE	SDDI	STORM DRAIN DRAIN INLET
BO	BLOWOFF VALVE	SDMH	STORM DRAIN MANHOLE
CMP	CORRUGATED METAL PIPE	SS	SANITARY SEWER
CO	CLEANOUT	SSCO	SANITARY SEWER CLEANOUT
CV	CHECK VALVE	SSMH	SANITARY SEWER MANHOLE
DW	DOMESTIC WATER	TYP.	TYPICAL
(E)	EAST	(W)	WEST
E	ELECTRICAL	W	WATER
EX	EXISTING	WM	WATER METER
FDC	FIRE DEPARTMENT CONNECTION	WV	WATER VALVE
FH	FIRE HYDRANT		
FM	FORCE MAIN		
FW	FIRE WATER		
G	GAS		
GI	GREASE INTERCEPTOR		
INV	INVERT		
JB	JUNCTION BOX		
MH	MANHOLE		
(N)	NORTH		
PIV	POST INDICATOR VALVE		
P.O.C.	POINT OF CONNECTION		
RCP	REINFORCED CONCRETE PIPE		
RIM	RIM ELEVATION		
(S)	SOUTH		
SD	STORM DRAIN		

LEGEND

	EXISTING	PROPOSED
PROPERTY LINE		
EASEMENT LINE		
OVERHEAD LINE	OH	
GAS LINE	G	
SANITARY SEWER LINE	SS	
SANITARY SEWER FORCE MAIN LINE	FM	
STORM DRAIN LINE		
WATER LINE	W	
FENCE		X
BACKFLOW PREVENTER		BFP
BLOW OFF VALVE		BO
CHECK VALVE		CV
CLEANOUT		CO
DRAIN INLET		
FIRE HYDRANT		FH
FIRE DEPARTMENT CONNECTION		FDC
JUNCTION BOX		
SANITARY SEWER MANHOLE		
STORM DRAIN MANHOLE		
POST INDICATOR VALVE		PIV
WATER METER		WM
WATER VALVE		WV

UTILITY NOTES

1. FIRE WATER LATERALS SHALL BE 6" OFF MAIN LINE. ALL LATERALS SHALL BE 6" FOR FIRE HYDRANTS.
2. SANITARY SEWER LATERALS SHALL BE 6" OFF MAIN LINE.
3. DOMESTIC WATER LATERALS SHALL BE 2" OFF MAIN LINE.
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OVERALL UTILITY PLAN

NORTH

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C3.0

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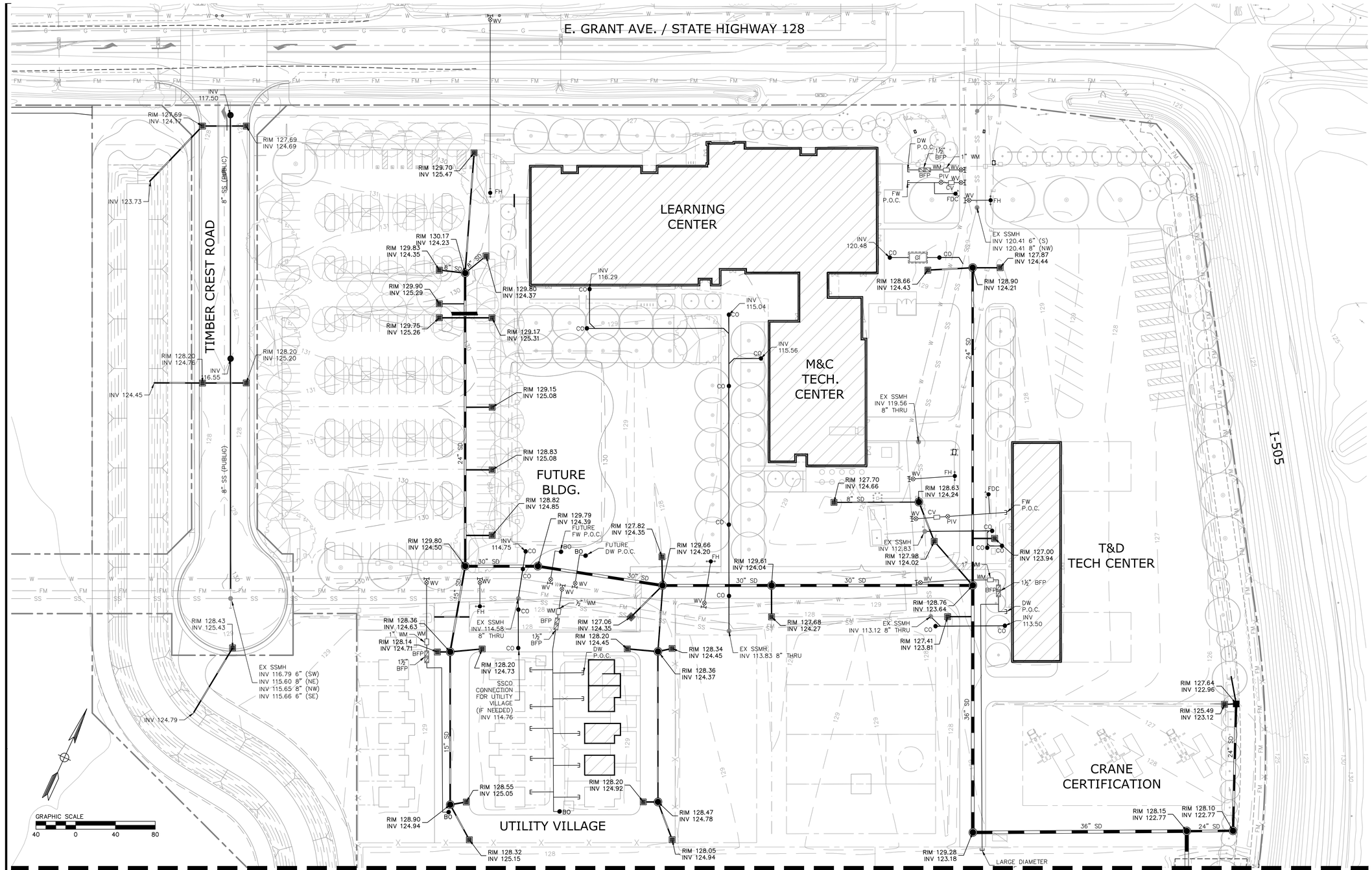

CONTINUATION LINE, SEE SHEET C3.2

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LEGEND

	EXISTING	PROPOSED
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UTILITY PLAN

NORTH

B3011.00
SCALE AS SHOWN
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C3.1

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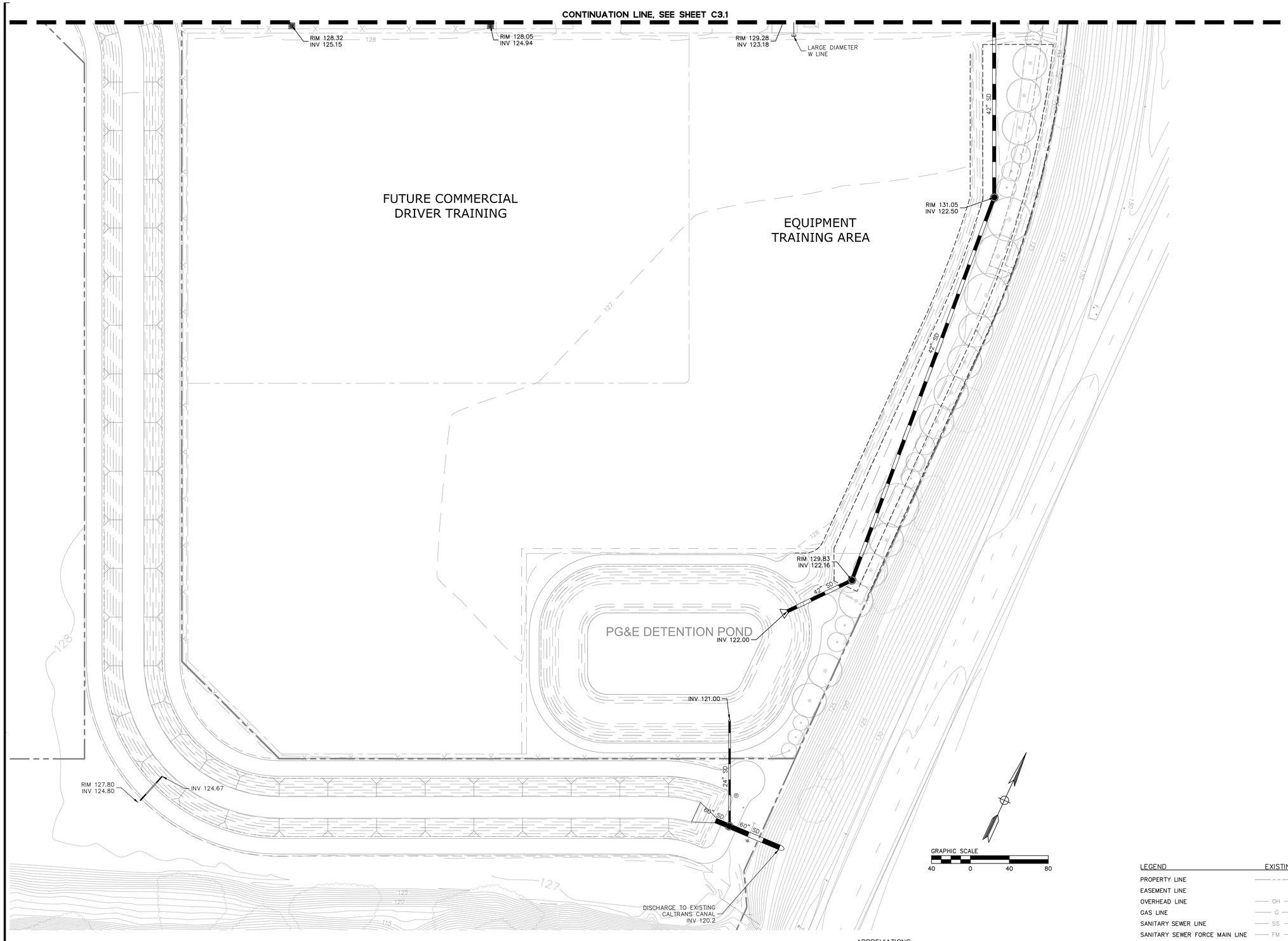

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UTILITY PLAN

NORTH

B3011.00
SCALE AS SHOWN
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C3.2

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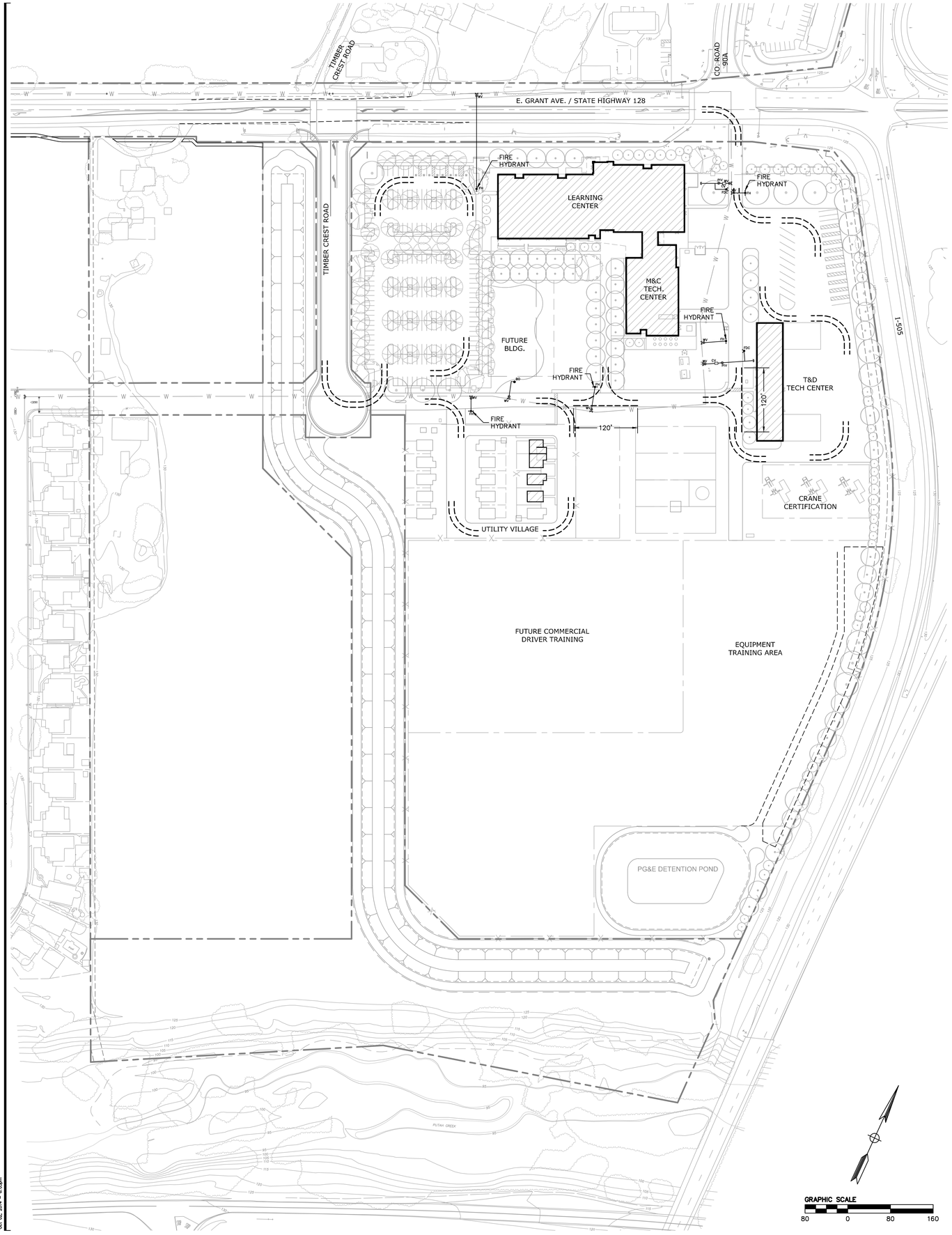
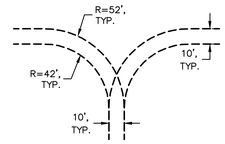


FIRE TRUCK TURNING TEMPLATE



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FIRE TRUCK CIRCULATION

NORTH

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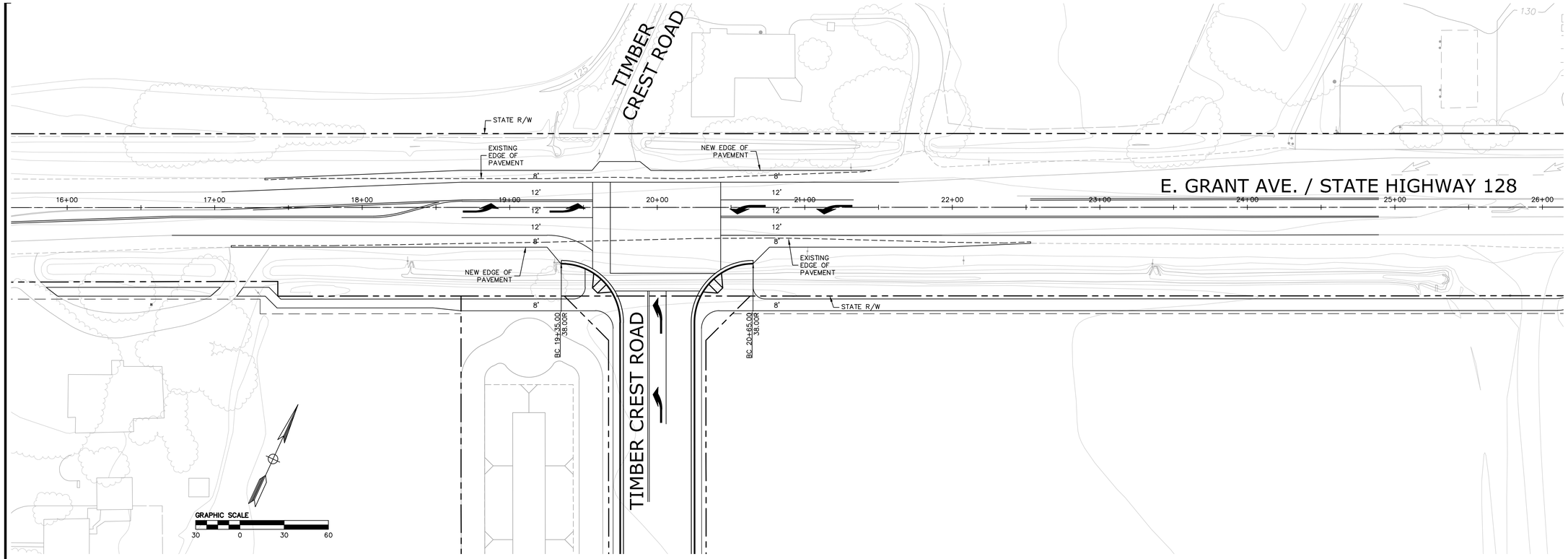
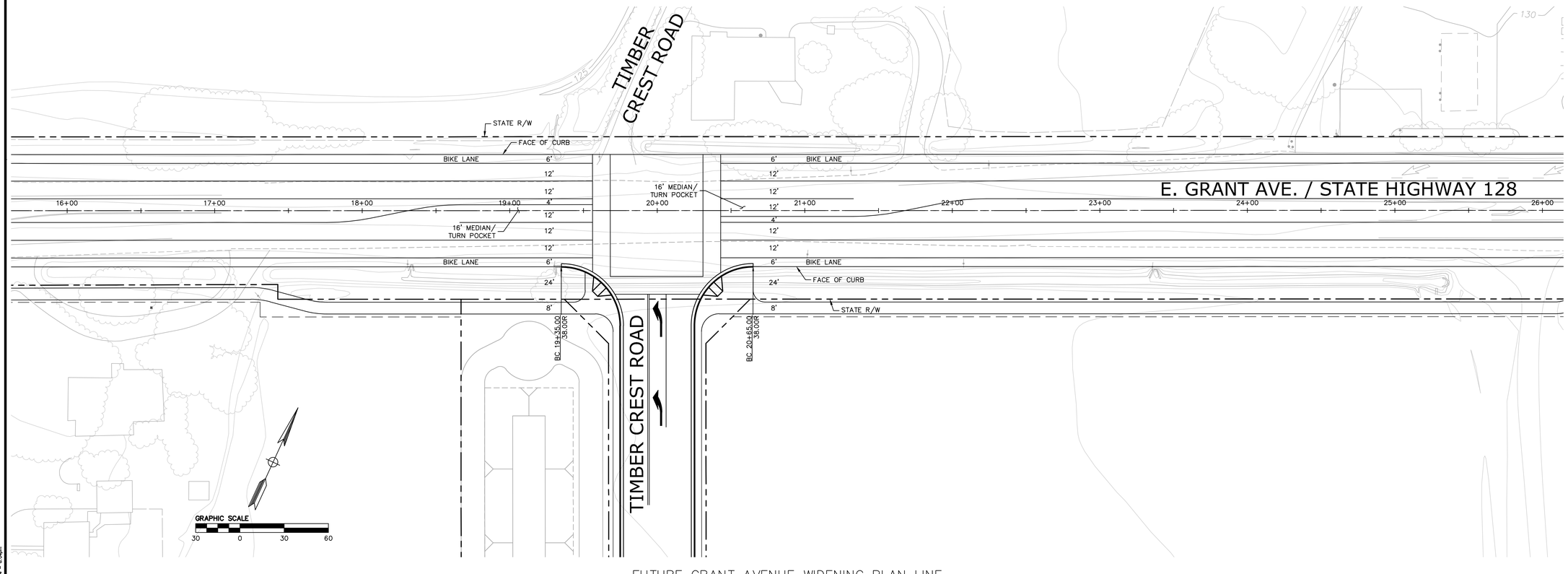


INTERIM GRANT AVENUE IMPROVEMENTS



FUTURE GRANT AVENUE WIDENING PLAN LINE

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GRANT AVENUE IMPROVEMENTS

NORTH

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C5.0

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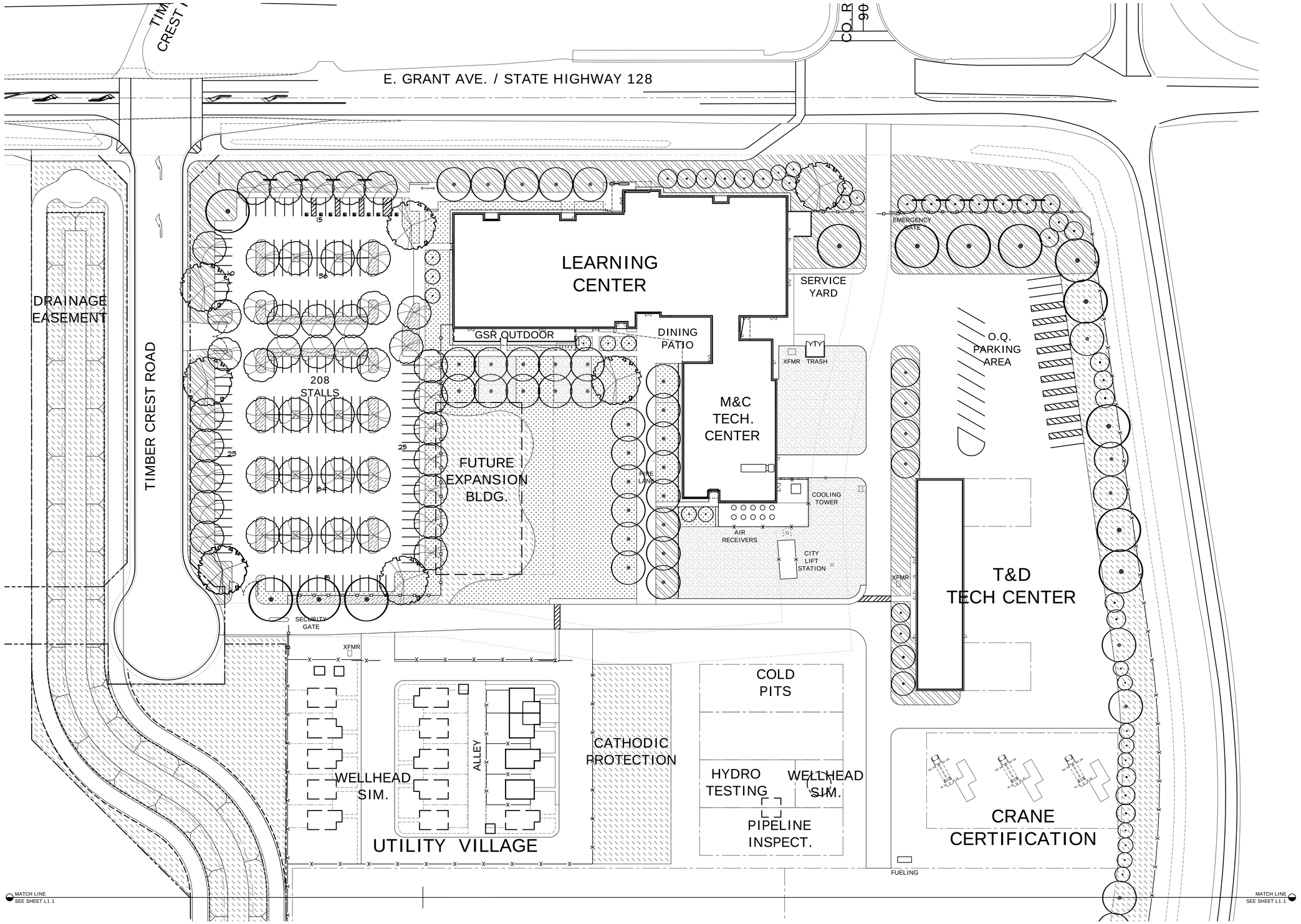

PLANT LEGEND

- PARKING LOT PLANTING: LOW WATER USE AND NATIVE GROUNDCOVERS
- STREETSCAPE/BUFFER PLANTING: LOW GROUNDCOVERS AND SCREENING SHRUBS, LOW WATER USE
- LEARNING CENTER PLANTING: ORNAMENTAL GRASSES, FLOWERING SHRUBS, LOW WATER USE
- NATIVE HYDROSEED MIX PLANTING (NON-IRRIGATED)
- GRAVEL PAVEMENT
- FREESTANDING FENCE WITH VINE PLANTING
- SCULPTURE
- PARKING LOT TREE, 15 GAL SIZE
- SPECIMEN TREE, 24 INCH BOX SIZE (QUERCUS LOBATA, QUERCUS WISLIZENI, OR PLATANUS RACEMOSA)
- LANDSCAPE TREE, 15 GAL SIZE

0 20' 40' 80'

FOR PLANT SCHEDULE SEE SHEET L1.2

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CONCEPTUAL LANDSCAPE PLAN,
SITE AREA A (NORTH)

B3011.02
1"=40'
6 October 2014

L1.0

Oct 02 2014 - 1:59pm

MATCH LINE
SEE SHEET L1.0

SEE SHEET L1.0
MATCH LINE

FUTURE COMMERCIAL
DRIVER TRAINING

EQUIPMENT
TRAINING AREA

DRAINAGE
EASEMENT

STORMWATER
POND

HIGHWAY
505

PLANT LEGEND

NATIVE HYDROSEED MIX PLANTING (NON-IRRIGATED)

LANDSCAPE TREE, 15 GAL SIZE

0 20' 40' 80'

FOR PLANT SCHEDULE SEE SHEET L1.2

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CONCEPTUAL LANDSCAPE PLAN
SITE AREA B (SOUTH)

B3011.02
1"=40'
6 October 2014

L1.1

Oct 02, 2014 - 11:39pm

PLANT SCHEDULE

Botanical Name	Common Name	Size	Height	Spread	Native: CA/Local	Water use
Parking Lot Planting - Trees						
Acer x fremanii 'Jeffsred'	Autumn blaze maple	15 gal	60'	35'	No/No	M
Chilopsis linearis	Desert willow	15 gal	15'	15'	Yes/Yes	L
Parkinsonia florida 'Desert Museum'	Desert museum palo verde	15 gal	20'	20'	Yes/Yes	VL
Quercus lobata	Valley oak	24" box	40'	50'	Yes/No	VL
Quercus palustris	Pin oak	24" box	60'	35'	No/No	M
Zelkova serrata	Japanese zelkova	15 gal	35'	35'	No/No	M
Parking Lot Planting - Shrubs/Groundcover						
Arctostaphylos uva-ursi 'Woods compact'	Wood's compact bearberry	1 gal	1'-0"	4'-0"	Yes/No	L
Baccharis pilularis	Dwarf coyote bush	1 gal	3'-0"	6'-0"	Yes/Yes	L
Cistus ladanifer	Crimson spot rockrose	1 gal	4'-0"	4'-0"	No/No	L
Epilobium canum	California fuchsia	1 gal	2'-0"	3'-0"	Yes/Yes	L
Festuca californica	California fescue	1 gal	2'-6"	2'-6"	Yes/Yes	L
Muhlenbergia rigens	Deergrass	1 gal	3'-0"	3'-0"	Yes/Yes	L
Rosa californica	California wild rose	1 gal	4'-0"	6'-0"	Yes/Yes	L
Salvia apiana	White sage	1 gal	4'-0"	6'-0"	Yes/No	L
Salvia clevelandii	Cleveland's sage	1 gal	4'-0"	5'-0"	Yes/No	L
Learning Center Planting - Trees						
Acer rubrum 'Red Rocket'	Red rocket red maple	15 gal	38'	15'	No/No	M
Arbutus unedo	Strawberry tree	15 gal	15'	15'	No/No	L
Cercis occidentalis	Western redbud	15 gal	15'	15'	Yes/Yes	VL
Chilopsis linearis	Desert willow	15 gal	15'	15'	Yes/No	L
Ginkgo biloba	Ginkgo	15 gal	40'	40'	No/No	M
Parkinsonia florida 'Desert Museum'	Desert museum palo verde	15 gal	20'	20'	Yes/No	VL
Platanus racemosa	California sycamore	15 gal	40'	40'	Yes/No	M
Quercus lobata	Valley oak	24" box	40'	50'	No/No	VL
Quercus wislizeni	Interior live oak	15 gal	50'	50'	Yes/Yes	VL
Learning Center Planting - Shrubs and Groundcover						
Achillea millefolium	Yarrow	1 gal	2'-0"	2'-0"	Yes/Yes	L
Deschampsia caespitosa	Tufted hairgrass	1 gal	2'-0"	2'-0"	Yes/Yes	L
Epilobium canum	California fuchsia	1 gal	2'-0"	3'-0"	Yes/Yes	L
Festuca californica	California fescue	1 gal	2'-6"	2'-6"	Yes/Yes	L
Helictotrichon sempervirens	Blue oat grass	1 gal	2'-0"	2'-0"	No/No	L
Iris douglasii	Douglas iris	1 gal	2'-6"	2'-6"	Yes/No	L
Lonicera hispidula	California honeysuckle	1 gal	10'-0"	3'-0"	Yes/Yes	L
Mimulus aurantiacus	Sticky monkeyflower	1 gal	3'-0"	3'-0"	Yes/Yes	L
Muhlenbergia rigens	Deergrass	1 gal	3'-0"	3'-0"	Yes/Yes	L
Penstemon heterophyllus 'Margarita BOP'	Margarita BOP Beard's Tongue	1 gal	2'-0"	3'-0"	Yes/Yes	L
Salvia clevelandii	Cleveland's sage	1 gal	4'-0"	5'-0"	Yes/No	L
Teucrium fruticans 'Azureum'	Azure bush germander	1 gal	4'-0"	6'-0"	No/No	L

Botanical Name	Common Name	Size	Height	Spread	Native: CA/Local	Water use
Buffer/Screening Planting - Trees						
Calocedrus decurrens	Incense cedar	15 gal	80'	30'	Yes/No	M
Casuarina cunninghamiana	River she-oak	15 gal	70'	30'	No/No	L
Pinus sabiana	Foothill pine	15 gal	60'	25'	Yes/Yes	L
Quercus douglasii	Blue oak	15 gal	50'	50'	Yes/Yes	VL
Quercus lobata	Valley oak	24" box	40'	50'	No/No	VL
Quercus wislizeni	Interior live oak	15 gal	50'	50'	Yes/Yes	VL
Umbellularia californica	California bay	15 gal	30'	30'	Yes/Yes	M
Rhamnus californica	Coffeeberry	1 gal	10'-0"	8'-0"	Yes/No	L
Heteromeles arbutifolia	Toyon	5 gal	10'-0"	10'-0"	Yes/Yes	VL
Streetscape/Buffer Planting						
Baccharis pilularis	Dwarf coyote bush	1 gal	3'-0"	6'-0"	Yes/Yes	L
Ceanothus 'Centennial'	Centennial hybrid wild lilac	1 gal	1'-6"	10'-0"	Yes/Yes	L
Helictotrichon sempervirens	Blue oat grass	1 gal	2'-0"	2'-0"	No/No	L
Muhlenbergia rigens	Deergrass	1 gal	3'-0"	3'-0"	Yes/Yes	L
Teucrium fruticans 'Azureum'	Azure bush germander	1 gal	4'-0"	6'-0"	No/No	L

NATIVE HYDROSEED MIX

Botanical Name	Common Name	Ecotype/Origin	Bulk lb/Acre
Drainage Swale Hydroseed			
Elymus glaucus	Blue wildrye	Yolo County: Yolo Bypass	6.0
Hordeum bracyantherum	Meadow barley	Yolo County: Yolo Bypass	8.0
Elymus triticoides	Creeping wildrye	Yolo County: Yolo Bypass	10.0
Elymus trachycauls	Slender wheatgrass	Yolo County: Willow Slough	8.0
Interior Area Hydroseed			
Bromus carinatus	California brome	Amador County: Sierra Nevadas	25.0
Festuca microstachys	Three weeks fescue	Yolo County: Fiske Creek	5.0
Elymus glaucus	Blue wildrye	Yolo County: Yolo Bypass	10.0

FOR PLANT LEGEND SEE SHEET L1.0 AND L1.1

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PG&E GAS OPERATIONS
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PLANTING SCHEDULE

B3011.02
AS SHOWN
6 October 2014

L1.2

Oct 02, 2014 - 1:39pm

SHADING ANALYSIS

PARKING AND BACKUP AREA INCLUDED IN CALCULATION

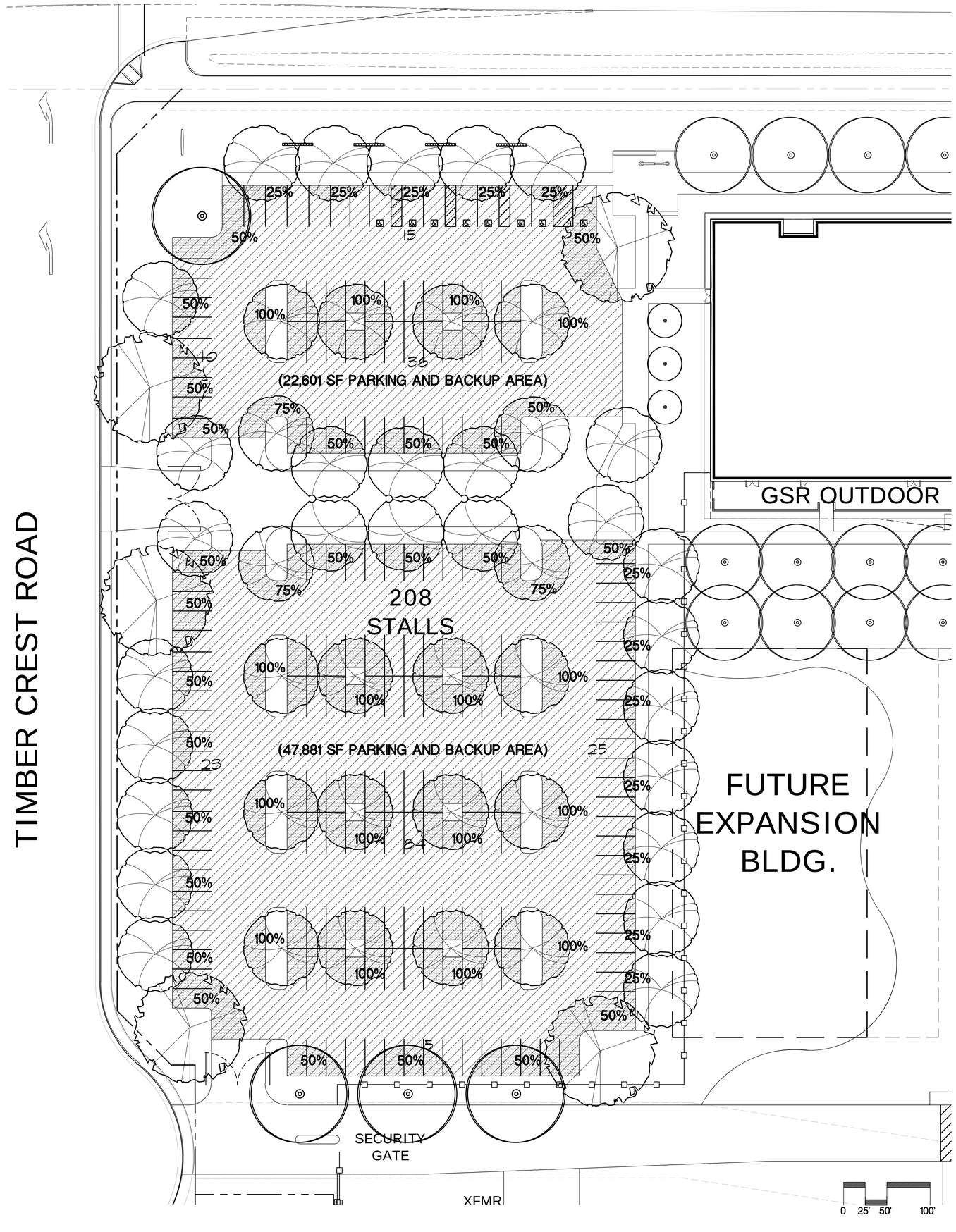
REQUIRED SHADING
70,482 SF PARKING AND BACKUP AREA / 2 = 35,241 SF OF REQUIRED SHADING

PROPOSED SHADING
35' TREES:

25% SHADE	50% SHADE	75% SHADE	100% SHADE
12@240 SF	16@481 SF	3@721 SF	16@961 SF
= 2,880 SF	= 7,696 SF	= 2,163 SF	= 15,376 SF

45' TREES:
50% SHADE
9@795 SF
= 7,155 SF

TOTAL PROPOSED SHADING = 35,270 SF



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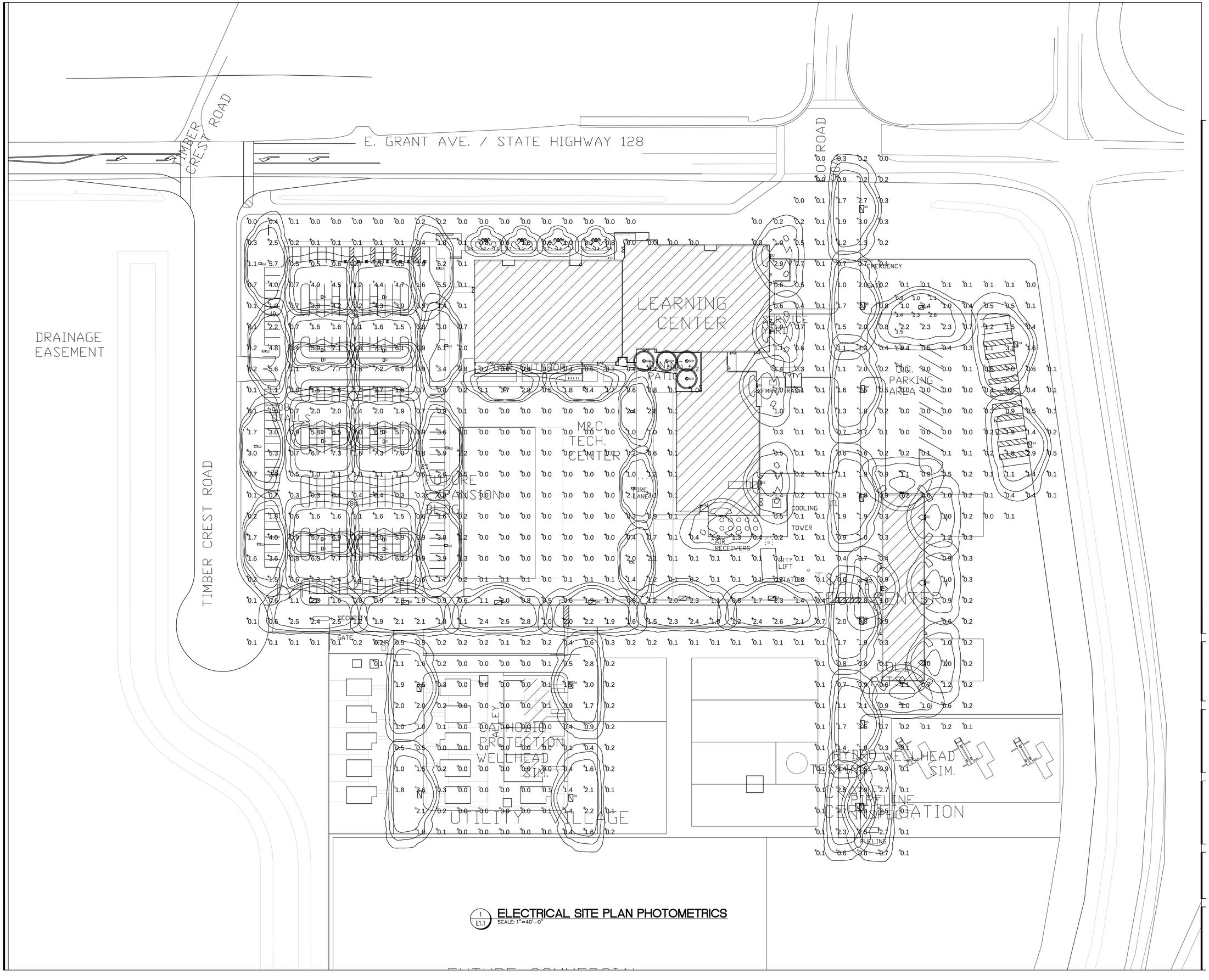
PARKING LOT SHADING PLAN

B3011.02
1"=50'
6 October 2014

L1.3



1 E1.1 **ELECTRICAL SITE PLAN PHOTOMETRICS**
SCALE: 1"=40'-0"

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REGISTERED PROFESSIONAL ENGINEER JAMES WAYNE JONES E 009586 Exp. 9-30-2014 ELECTRICAL STATE OF CALIFORNIA

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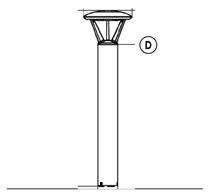
ELECTRICAL SITE PLAN
PHOTOMETRICS

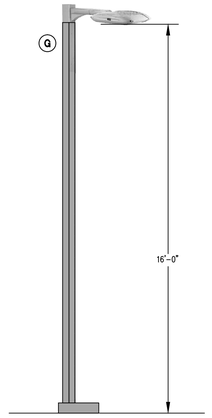
B3011.02

6 October 2014

SL1



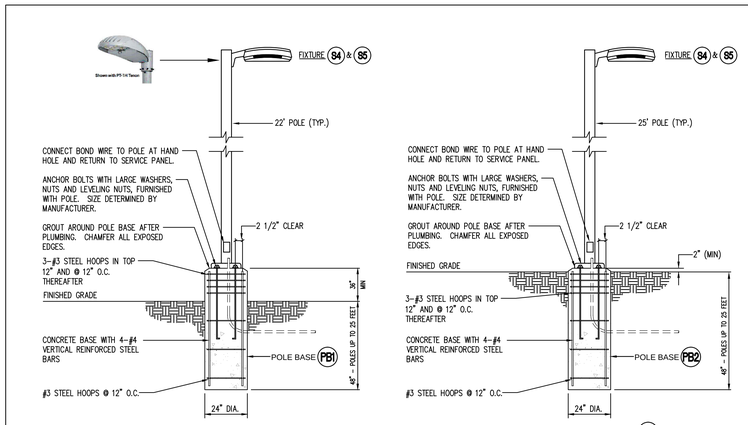
4 – BOLLARD FIXTURE
SCALE: NONE



3 – DECORATIVE AREA LIGHT FIXTURE
SCALE: NONE

XSP Series (S2)
XSPW™ Wall Mount Luminaire

2 – WALL PACK
SCALE: NONE



1 – SITE LIGHTING FIXTURE DETAIL
SCALE: NONE

Luminaire Schedule

Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
	S4	3	CREE, INC.	XSPAx3HA-U or BXSPAx3HA-U	DOUBLE LED MODULE TYPE III 4000K XSP2	TEN WHITE LIGHT EMITTING DIODES (LEDS), VERTICAL BASE-UP POSITION.	10	BXSPA_3HA-U.IES	959.5989	1	99.5
	S5	18	CREE, INC.	XSPAx2HA-U or BXSPAx2HA-U	DOUBLE LED MODULE TYPE II 4000K XSP2	TEN WHITE LIGHT EMITTING DIODES (LEDS), VERTICAL BASE-UP POSITION.	10	BXSPA_2HA-U.IES	952.027	1	99.6
	S2	11	Cree Inc	XSPWAx3FC-U	Cree XSPW Series Wallpack Luminaire, Type III Medium, 4000K, C Input Power Designator	4 type MDA LEDs	1	XSPWAx3FC-U_RESTL-2014-0018.IES	4186.817	1	42.7
	D	4	RUUD LIGHTING, INC., A CREE COMPANY	PWY-EDG-3M-**-02-D-UL-350-40K or BXBP*318D-UH7 (350mA)	18 LED TYPE III MEDIUM 350mA 4000K EDGE PATHWAY	EIGHTEEN WHITE LIGHT EMITTING DIODES (LEDS), VERTICAL BASE-UP POSITION.	18	PWY-EDG-_3M-__-02-D-UL-350-40K.IES	64.50012	1	21.2
	C	5	CREE INC.	ARE-EDG-2MP-**-06-E-UL-350-40K (350mA) CONFIGURED FROM ARE-EDG--2MP-xx-06-E-UL-xx-700-40K-xxxx (BXALxL06E-UD7)	CONFIGURED FROM Cree Edge Area, Type II Medium w- Partial BLS, 60 LEDs, 700mA, 4000K	CONFIGURED FROM Sixty White LEDs, Vertical Base-Up Position	60	ARE-EDG-2MP-__-06-E-UL-350-40K-CONFIGURED.IES	93.31535	1	62
	SD1	4	Focal Point	FL6D-20LED-L30-LD1-120-RO-T	LED Recessed Luminaire	LED MODEL: 9290 008 78003	1	FL6DNCD20LEDL30.IES	1994.111	1	28.7
	G	14	CREE INC.	ARE-EDG-4MP-**-10-E-UL-525-40K (525mA) CONFIGURED FROM ARE-EDG-4MP-xx-06-E-UL-xx-700-40K-xxxx (BXALx806E-UD7)	CONFIGURED FROM Cree Edge Area, Type IV Medium w- Partial BLS, 60 LEDs, 700mA, 4000K	CONFIGURED FROM Sixty White LEDs, Vertical Base-Up Position	100	ARE-EDG-4MP-__-10-E-UL-525-40K-CONFIGURED.IES	130.3249	1	169
	G2	8	CREE INC.	ARE-EDG-2MP-**-08-E-UL-525-40K (525mA) CONFIGURED FROM ARE-EDG--2MP-xx-06-E-UL-xx-700-40K-xxxx (BXALxL06E-UD7)	CONFIGURED FROM Cree Edge Area, Type II Medium w- Partial BLS, 60 LEDs, 700mA, 4000K	CONFIGURED FROM Sixty White LEDs, Vertical Base-Up Position	80	ARE-EDG-4MP-_II_-10-E-UL-525-40K-CONFIGURED.IES	130.6413	1	133

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SITE LIGHTING DETAILS

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SL2