

# Marshall Medical Center

Outdoor Dining / Garden Area  
Placerville, CA 95667

1100 Marshall Way  
Placerville, CA 95667  
contact - Dana Rice  
drice@marshallmedical.org  
P. (530) 626-2687

Greenbough Design  
P.O Box 1358  
Shingle Springs, CA 95682  
[www.greenboughdesign.com](http://www.greenboughdesign.com)  
P. (530) 683-6744

Warren Consulting Engineers, Inc.  
1117 Windfield Way, Suite 110  
El Dorado Hills, CA 95762  
Seth Nisbet  
P. (916) 985-1870

Pezzoni Engineering, Inc.  
909 15<sup>th</sup> Street, Suite 7  
Modesto, CA 95354  
Michael Stevens  
P. (916) 799-1560

Chris Fauske  
P. (916)-698-2757

**Project Description-** Hospital dining / garden area located between hospital south wing and the 1988 surgery building. Project includes grading of existing land, site wall installation, hardscape, fencing, landscape/general lighting, and landscaping.

OSHPD FACILITY #10112

ORIGINAL CONSTRUCTION CODE- UNIFORM BUILDING  
CODE, 2001 EDITION  
ORIGINAL CONSTRUCTION TYPE - TYPE IA  
OCCUPANCY TYPE FOR BASEMENT LEVEL -I-2

TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS  
CCR TITLE 24, PART 1- 2019 BUILDING STANDARDS ADMINISTRATIVE CODE  
CCR TITLE 24, PART 2- 2019 CALIFORNIA BUILDING CODE VOLUMES 1 & 2  
TITLE 24 CCR, PART 3 - 2019 CALIFORNIA ELECTRICAL CODE  
TITLE 24 CCR, PART 6 - 2019 CALIFORNIA ENERGY CODE  
TITLE 24 CCR, PART 9 - 2019 CALIFORNIA FIRE CODE  
TITLE 24 CCR, PART 12 - 2019 CALIFORNIA REFERENCE STANDARDS

Ref 1

Sheet number

Ref 1

Detail number

Diagram illustrating the components of a circle:

- 1**: Detail number
- A101**: Sheet number


1  
A101

SIM

Detail number

Sheet number

Room name ← Room name  
101 ← Room number

 Name      ← Elevation description  
 Elevation   ← Elevation above datum

 Wall type

101 — Door number

1t — Window number

 Revision number



Number	Sheet Name
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None

<b>A</b>		<b>D</b>	
@	At	D	Deep
A/C	Air conditioning	DEG	Degree
AD	Area drain	DEM0	Demolition
AFF	Above finished floor	DF	Drinking fountain
AHU	Air handling unit	DIA	Diameter
ALUM	Aluminum	DIM	Dimension
ANOD	Anodized	DN	Down
ARCH	Architect	DS	Downspout
		DWGS	Drawings
<b>B</b>		<b>E</b>	
BD	Board	EA	Each
BLDG	Building	EJ	Expansion joint
BO	Bottom of	EJS	Exterior insulation and finish system
<b>C</b>			
C	Celsius	EL	Elevation
CH	Coat hook	ELEC	Electrical
CFCI	Contractor furnished, contractor installed	ELEV	Elevator
CG	Corner guard	E0S	Edge of slab
CJ	Continuous insulation	ERD	Existing roof drain
CI	Control joint	EQ	Equal
CL	Centerline	EQUIP	Equipment
CLG	Ceiling	EWC	Electric water cooler
CLO	Closet	EXIST	Existing
CLR	Clear	EXP	Exposed
CMU	Concrete masonry unit	EXT	Exterior
COL	Column	<b>F</b>	
CONC	Concrete	F	Fahrenheit
CONT	Continuous	FA	Fire alarm
CORR	Corridor	FACP	Fire alarm control panel
CT	Ceramic	FDC	Fire department connect
CTJ	Construction joint	FD	Floor drain
CUH	Cabinet unit heater		

FC	Fire extinguisher cabinet	I	
FE	Fire extinguisher	ID	Inside diameter, Inside dimension
FG	Finish grade	IN	Inch
FHC	Fire hose cabinet	INFO	Information
FIN	Finish	INT	Interior
FLR	Floor		
FND	Foundation	J	
FO	Finished opening	JAN	Janitor
FOC	Face of concrete		
FOM	Face of masonry	L	
FOS	Face of stud	LAB	Laboratory
FOW	Face of wall	LAV	Lavatory
FRG	Fiber reinforced gypsum	LBS	Pounds
FSP	Fire standpipe	LLH	Long leg horizontal
FT	Feet	LLV	Long leg vertical
FV	Field verify	LPT	Low point
<b>G</b>		<b>M</b>	
GA	Gauge	MACH RM	Machine room
GALV	Galvanized	MAX	Maximum
GFRC	Glass-fiber reinforced concrete	MFR	Manufacturer
GFRC	Glass-fiber reinforced gypsum	MECH	Mechanical
GL	Glass	MEZZ	Mezzanine
GWB	Gypsum wall board	MIN	Minimum
GYP	Gypsum	MO	Masonry opening
<b>H</b>		<b>N</b>	
H	High	NA	Not applicable
HB	Hose bibb	NIC	Not in contract
HDR	Header	NOM	Nominal
HM	Hollow metal	NTS	Not to scale
HPT	High point		
HR	Hour		
HT	Height		

OC	On center
OD	Outside diameter, Outside dimension
OFD	Overflow drain
OHD	Overhead door
OPH	Opposite hand
OPP	Opposite
ORIG	Original
<b>P</b>	
P LAM	Plastic laminate
PLAS	Plaster
PLUMB	Plumbing
PR	Pair
PSI	Pounds per square inch
PSF	Pounds per square foot
PT	Paint
PVC	Polyvinyl chloride
<b>Q</b>	
QT	Quarry tile
<b>R</b>	
R	Riser or radius
RAD	Radius
RCP	Reflected ceiling plan
ROD	Roof drain
REF	Refridgerator
REQD	Required
REV	Revision
RH	Relative humidity
RM	Room
RO	Rough opening
RTU	Roof top unit
RWL	Rain water leader

S	
SAF	Smoke detector
SAM	Self-adhered flashing
SCHED	Self-adhesive membrane
SECT	Schedule
SECT	Section
SIM	Similar
SPEC	Specification
SS	Stainless steel
STD	Standard
STN	Stain
STRUCT	Structural
<u>I</u>	
T	Tread
TEMP	Telephone
THK	Temporary
THK	Thick
TOC	Top of concrete
TOM	Top of masonry
TOP	Top of parapet
TOS	Top of slab, Top of steel
TOW	Top of wall
TYP	Typical
TO	Top of
<u>U</u>	
UL	Underwriter's laboratories
UNO	Unless otherwise noted

**V**

VCT Vinyl composite tile

VERT Vertical

VEST Vestibule

VIF Verify in field

**W**

W/ With

W/O Without

WD Wood

WH Wall hydrant

WP Working point

WRB Weather resistive barrier

I	Tread
T	
TEL	Telephone
TEMP	Temporary
THK	Thick
TOC	Top of concrete
TOM	Top of masonry
TOP	Top of parapet
TOS	Top of slab, Top of steel
TOW	Top of wall
TYP	Typical
TO	Top of

**U** Underwriter's laboratories  
**UNO** Unless otherwise noted

# Permit Set



Phone 530-683-6744 - PO Box 1358 Shingle Springs, CA 95682 -  
www.GreenboughDesign.com

### Consultant Info

**Marshall Medical  
Center  
Outdoor Dining Area**  
1100 Marshall Way, Placerville, CA  
95667

[illegible]

Jurisdiction Info:

Greenbough Design Project #	18022
Drawn By	CG
Checked By	MR
Issue Date	3-26-2020
Issue Purpose	Permit Set

### Architect Stamp



Sheet Name

# Cover Sheet

Sheet Number

# CVR

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Exiting Legend

Exit path

Exiting Calculation Legend

10  
170

10

1

EXIT LOAD AT EXIT DOOR  
EXIT CAPACITY OF EXIT

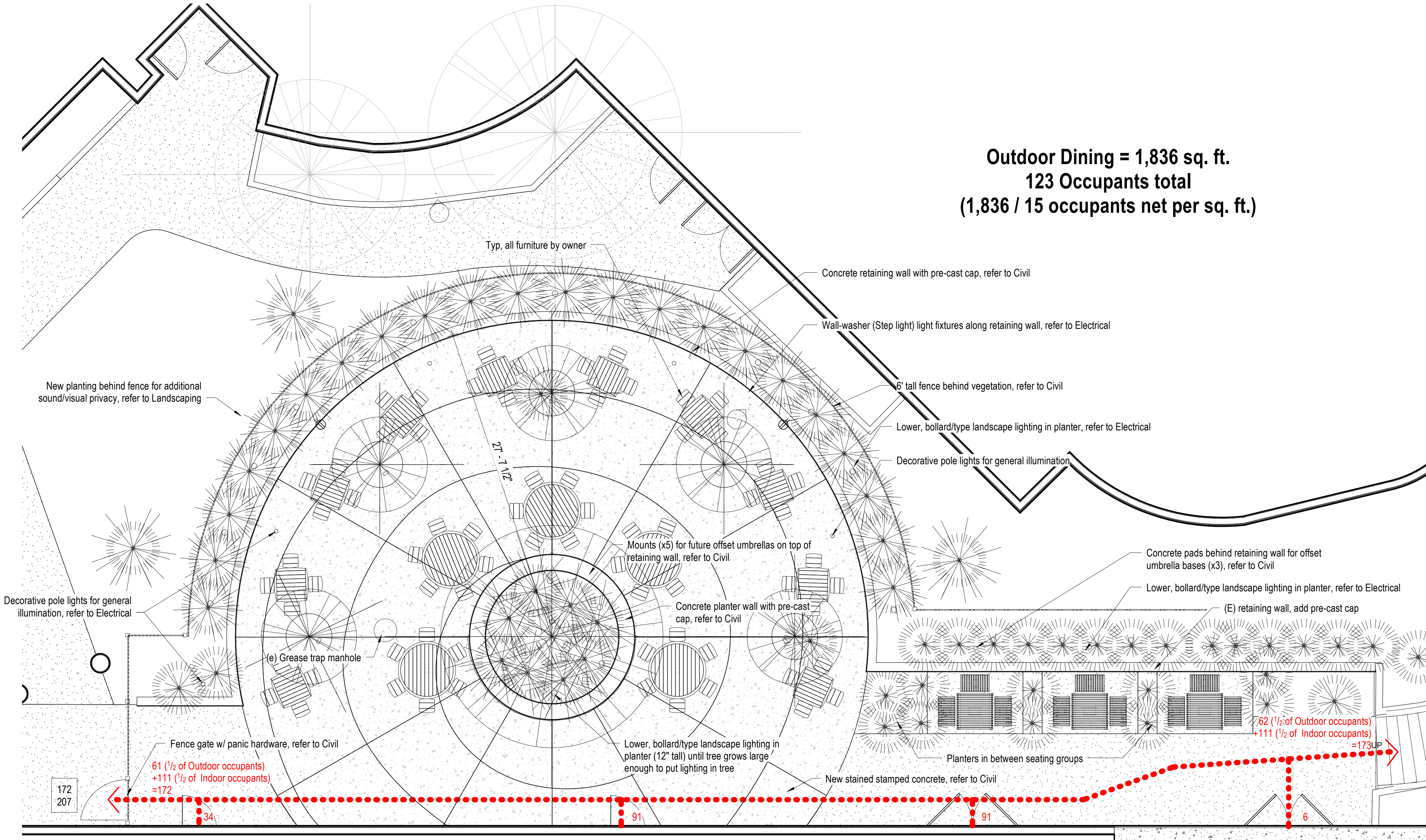
INDICATES CALCULATED EXIT LOAD  
AT INTERSECTION OF EXIT PATHS

INDICATES CALCULATED OCCUPANTS  
AT EXIT OR EXIT ACCESS DOOR

EXIT CAPACITY OF DOOR OPENINGS per  
CBC 1005.3.2 = .2 OCCUPANTS PER INCH

NOMINAL DOOR WIDTH	ACTUAL CLEAR OPENING WIDTH	EXIT CAPACITY OF OPENING
36"	34"	34" / .2 = 170
44"	41.5"	41.5" / .2 = 207
48"	46"	46" / .2 = 230
72"	70"	70" / .2 = 350
96"	94"	94" / .2 = 470

Outdoor Dining = 1,836 sq. ft.  
123 Occupants total  
(1,836 / 15 occupants net per sq. ft.)



1 Floor Plan - Basement Level  
3/16" = 1'-0"

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Marshall Medical  
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Outdoor Dining Area  
1100 Marshall Way, Placerville, CA  
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No.	Description	Date

City of Placerville Permit No.

Greenbough Design Project #	18022
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Sheet Name

Site Plan

Sheet Number

A2.1

Permit Set





① View from walkway

Permit Set



Greenbough Design

Phone 530-483-6744 - PO Box 1358 Shingle Springs, CA 95682 -  
www.GreenboughDesign.com

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Marshall Medical Center

Outdoor Dining Area

1100 Marshall Way, Placerville, CA 95667

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Architect Stamp



Sheet Name

Exterior Renderings

Sheet Number

A7.1

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1 View from behind fence

Consultant Info

Marshall Medical  
Center  
Outdoor Dining Area  
1100 Marshall Way, Placerville, CA  
95667

No.	Description	Date

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Sheet Name

Exterior  
Renderings

Sheet Number

A7.2

Permit Set





1 View from stairs

Permit Set



Greenbough Design

Phone 530-483-6744 - PO Box 1358 Shingler Springs, CA 95682 -  
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Consultant Info

**Marshall Medical Center**

**Outdoor Dining Area**

**1100 Marshall Way, Placerville, CA 95667**

No.	Description	Date

City of Placerville Permit No.

Greenbough Design Project # 18022

Drawn By CG

Checked By MR

Issue Date 3-26-2020

Issue Purpose Permit Set

Architect Stamp



Sheet Name

**Exterior Renderings**

Sheet Number

**A7.3**

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ABBREVIATIONS PROPOSED FEATURES

NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THESE PLANS.

AB	AGGREGATE BASE
AC	ASPHALTIC CONCRETE
AD	AREA DRAIN
APN	ASSESSOR'S PARCEL NUMBER
ARV	AIR RELEASE VALVE
ASB	AGGREGATE SUB-BASE
BO	BLOW-OFF VALVE
BV	BUTTERFLY VALVE
BW	BACK OF WALK
C/L	CENTERLINE
CB	CATCH BASIN
CL	CLASS
CMP	CORRUGATED METAL PIPE
CATV	CABLE TELEVISION
CO	CLEANOUT
COMM	COMMUNICATION
CONC.	CONCRETE
CONST.	CONSTRUCT
CR	CURB RETURN
CS	CONCRETE SURFACE
DC	DOUBLE CHECK VALVE
DDC	DOUBLE DETECTOR CHECK VALVE
DG	DECOMPOSED GRANITE
DI	DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DWG	DRAWING
DS	DOWNSPOUT
E	ELECTRIC
EP	EDGE OF PAVEMENT
ESMT	EASEMENT
EX	EXISTING
FS	FIRE SERVICE LINE
FDC	FIRE DEPARTMENT CONNECTION
FL	FLOWLINE
FM	SANITARY SEWER FORCE MAIN
FF	FINISHED FLOOR ELEVATION
FH	FIRE HYDRANT
G	GAS
GR	GRATE ELEVATION
GRD	GRADE ELEVATION
GV	GATE VALVE
HB	HOSE BIB
HBD	HEADER BOARD
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HP	HIGH POINT
INV	PIPE INVERT ELEVATION
JUP	JOINT UTILITY POLE
LF	LINEAL FEET
LIP	LIP OF GUTTER
LT	LEFT
MS	MOWSTRIP
NTS	NOT TO SCALE
OH	OVERHEAD
PCC	PORTLAND CEMENT CONCRETE
PD	PLANTER DRAIN
PV	POST INDICATOR VALVE
P/L	PROPERTY LINE
PP	POWER POLE
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
R	RADIUS
RIM	MANHOLE RIM ELEV. (SOLID COVER)
RP	RP BACKFLOW PREVENTER
RW	RIGHT OF WAY
SCH	SCHEDULE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SG	SUBGRADE ELEVATION
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
STD	STANDARD
U/W	SIDEWALK
U	UTILITY
TC	TOP OF CURB
TD	TRENCH DRAIN
TD/CB	TRENCH DRAIN CATCH BASIN
TP	TELEPHONE POLE
TRW	TOP OF RETAINING WALL
TSW	TOP OF SEAT WALK
TW	TOP OF WALK ELEVATION
U	UTILITY
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
VCP	VITRIFIED CLAY PIPE
W	WATER
W/O	WITHOUT
WV	WATER VALVE

LEGEND PROPOSED FEATURES

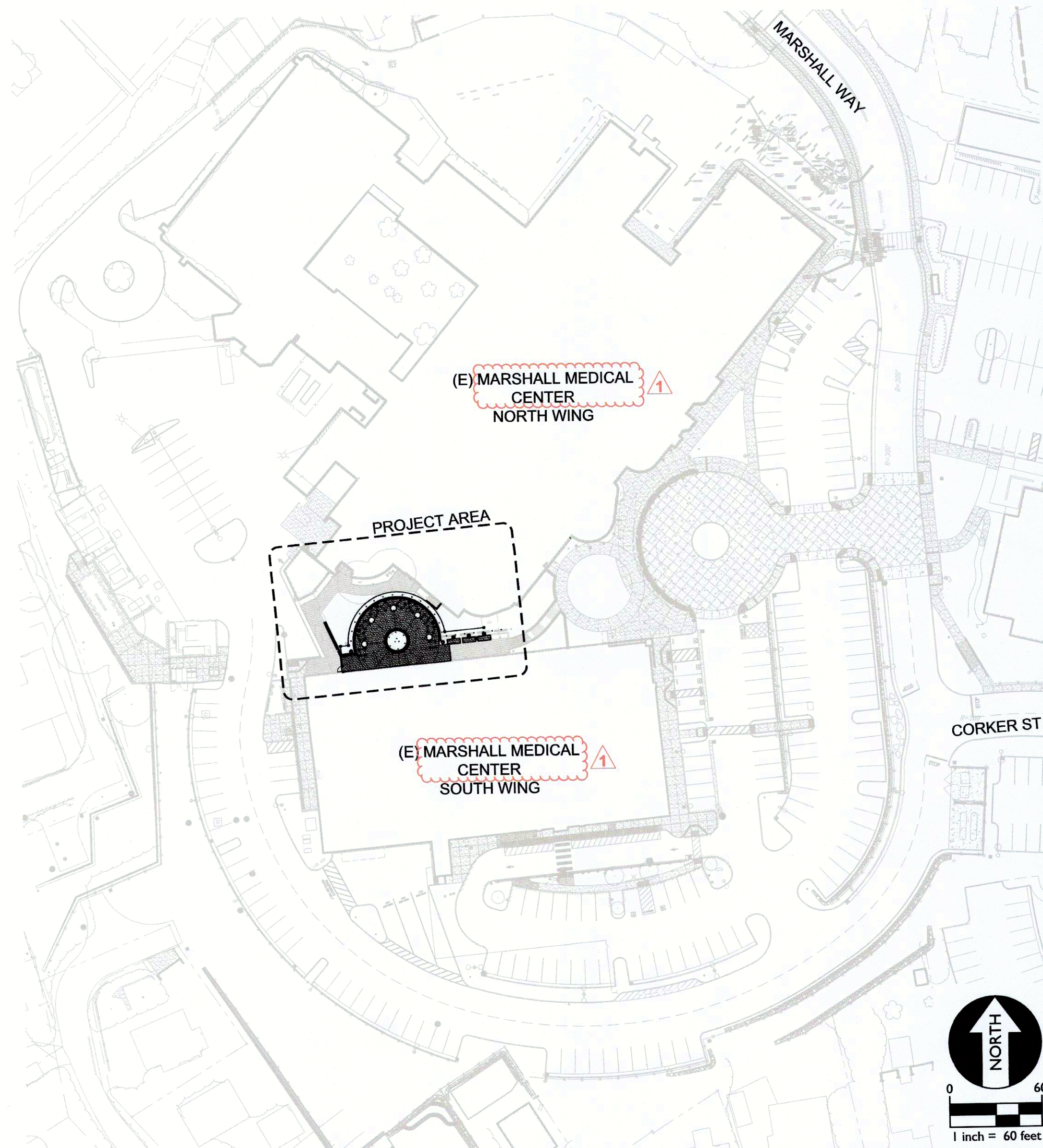
NOTE: NOT ALL SYMBOLS MAY BE USED ON THESE PLANS.

PROPOSED GRADING & DRAINAGE SYMBOLS:	
8" SD	STORM DRAIN LINE (SIZE AND FLOW SHOWN)
	STORM DRAIN MANHOLE (SDMH)
	CATCH BASIN (CB)
	DROP INLET (DI)
	AREA DRAIN (AD)
	PLANTER DRAIN (PD) OR FLOOR DRAIN (FD)
co	STORM DRAIN CLEANOUT
99.99	ELEVATION
FF=100.00	FINISHED FLOOR ELEVATION
PAD=99.33	BUILDING PAD ELEVATION
	CONCRETE SIDEWALK
	GRADED DIRECTION FOR DRAINAGE FLOW
	SWALE
	SLOPE
	TREE TO BE REMOVED
	RETAINING WALL
PROPOSED SANITARY SEWER SYMBOLS:	
6" SS	SANITARY SEWER LINE (SIZE AND FLOW SHOWN)
	SANITARY SEWER MANHOLE (SSMH)
co	SEWER CLEANOUT
	FLUSHER BRANCH
PROPOSED WATER SYMBOLS:	
8" W	WATER LINE & SIZE
8" FS	FIRE LINE & SIZE
	GATE VALVE
M	WATER METER
FH	FIRE HYDRANT ASSEMBLY
Y FDC	FIRE DEPARTMENT CONNECTION
DC	DETECTOR CHECK VALVE
DDC	DOUBLE DETECTOR CHECK VALVE
RP	REDUCED PRESSURE BACKFLOW PREVENTER
	BUTTERFLY VALVE
1"	AIR RELEASE VALVE + SIZE
1"	BLOW-OFF VALVE + SIZE
PIV	POST INDICATOR VALVE
PROPOSED GAS SYMBOLS:	
2" G	GAS LINE & SIZE
	GAS VALVE
M	GAS METER

# Marshall Medical Center

## Outdoor dining

1100 MARSHALL WAY  
PLACERVILLE, CA  
APN 043-350-01



1 OVERALL SITE PLAN

EARTHWORK ANALYSIS			
MATERIAL	AREA	DEPTH	VOL.
LANDSCAPE REMOVED	3019	4"	37 CY
SIDEWALKS REMOVED	767	8"	19 CY
ADDTL. SOIL EXPORT	3019	0"-24"	47 CY
			103 CY

UTILITY REPRESENTATIVES				
CABLE T.V.	COMCAST CABLE	KERRY WATERS	CONTACT	(916) 927-2225
SEWER	CITY OF PLACERVILLE	NICK STONE	PUBLIC WORKS DIRECTOR	(530) 642-5232
GAS/ELEC.	P.G. & E.	JIM WELCH	ENGINEER	(916) 621-7274
WATER	CITY OF PLACERVILLE	NICK STONE	PUBLIC WORKS DIRECTOR	(530) 642-5232
DRAINAGE	CITY OF PLACERVILLE	REBECCA NEVES	CITY ENGINEER	(530) 642-5250
TELEPHONE	SBC PACIFIC BELL	SUZANNE FREY	ENGINEER	(530) 621-6926
FIRE	EL DORADO COUNTY FIRE PROTECTION DIST.	TIM CORDERO	CHIEF	(530) 644-9630
MISC.	UNDERGROUND SERVICE ALERT	N/A	N/A	(800) 642-2444



### GRADING AND GEOTECHNICAL SPECIFICATIONS

ALL GRADING SHALL BE DONE UNDER OBSERVATION AND TESTING BY A QUALIFIED CIVIL ENGINEER OR GEOTECHNICAL ENGINEER AND IF REQUIRED BOTH A CIVIL ENGINEER OR GEOTECHNICAL ENGINEER AND AN ENGINEERING GEOLOGIST. ALL GRADING MUST BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY ORDINANCES AND THE RECOMMENDATIONS AND SPECIFICATIONS SET FORTH IN THE SOILS REPORT OR GEOLOGIST/GEOTECHNICAL INVESTIGATION. INSPECTION AND TESTING REPORTS SHALL BE COMPLETED AND SUBMITTED TO THE CITY BUILDING DEPARTMENT.

### OWNER

**MARSHALL MEDICAL CENTER**  
CONSTRUCTION & ENGINEERING DEPARTMENT  
1100 MARSHALL WAY  
PLACERVILLE, CA 95667  
PHONE: 530-626-2687 / FAX: 530-622-1387  
CONTACT: DANA RICE

### CITY OF PLACERVILLE

APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

VICINITY MAP

NO SCALE

### SHEET INDEX

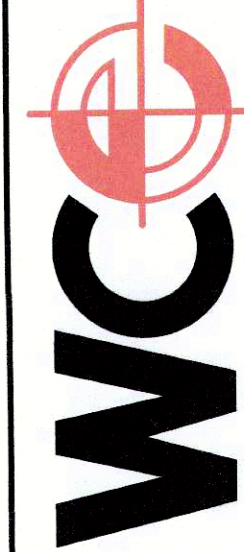
NO.	DESCRIPTION
C0.1	COVER SHEET
C0.2	CITY AND GENERAL NOTES
C0.3	TOPOGRAPHIC SURVEY
C1.1	DEMOLITION AND DIMENSION PLAN
C2.1	GRADING PLAN
C2.2	UTILITY PLAN
C2.3	FENCING PLAN
C3.1	EROSION CONTROL PLAN
C3.2	EROSION CONTROL NOTES & DETAILS
C4.1	SITE DETAILS AND SECTIONS
C4.2	SITE DETAILS AND SECTIONS

### SCOPE OF WORK

REMOVAL MINOR AMOUNT OF EXISTING ASPHALT PAVING, FLATWORK, LANDSCAPING AND IRRIGATION SYSTEMS AND CONSTRUCT NEW CONCRETE WALKWAY WITH STEEL RAILING WITH SOME MINOR PATCH BACK OF PAVING, LANDSCAPING AND IRRIGATION SYSTEMS.

NO NEW STRUCTURES ARE PART OF THIS PERMIT.

NO MODIFICATIONS TO EXISTING STRUCTURES ARE PART OF THIS PERMIT.



Consultant Info

WARREN CONSULTING ENGINEERS, INC.  
1117 WINDFIELD WAY, SUITE 110  
EL DORADO HILLS, CA 95762 | (916) 985-1870

Architect Info

**Greenbough Design**

## Marshall Medical Center

RECEIVED  
MAY 01 2020  
CITY OF PLACERVILLE  
DEVELOPMENT SERVICES DEPT

## Outdoor Dining

1100 Marshall Way, Placerville, CA  
95667

### Revisions

No.	Description	Date
1	Revision 1	4-27-2020

### OSHPD #

Greenbough Design Project # 18022

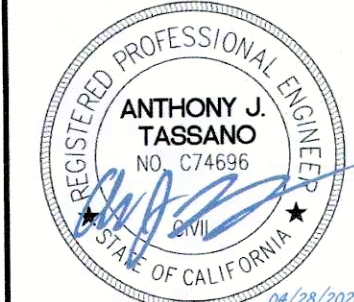
Drawn By SMN

Checked By TF

Issue Date 3/5/2019

Issue Purpose Schematic Design

Consultant Stamp



Architect Stamp



Sheet Name

Cover Sheet

Sheet Number

C0.1

Permit Set



STANDARD GENERAL NOTES - ROADWORK, GRADING AND DRAINAGE

1. MATERIALS, CONSTRUCTION QUALITY, AND METHODS FOR THIS PROJECT ARE SUBJECT TO THE CITY OF PLACERVILLE DESIGN AND IMPROVEMENT STANDARDS MANUAL AND THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND STANDARD SPECIFICATIONS.

2. ALL WORK SHALL BE ACCOMPLISHED TO THE SATISFACTION OF THE DIRECTOR, CITY OF PLACERVILLE OR AUTHORIZED REPRESENTATIVE.

3. ALL REFERENCE TO CITY SHALL MEAN THE DIRECTOR, CITY OF PLACERVILLE, OR HIS/HER AUTHORIZED REPRESENTATIVE.

4. ALL REFERENCE TO THE STANDARD SPECIFICATIONS SHALL MEAN THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED JULY 2002

5. THE CONTRACTOR SHALL HAVE A RESPONSIBLE PARTY, WHO SHALL HAVE FULL AUTHORITY TO REPRESENT AND ACT FOR THE CONTRACTOR ON SITE AT ALL TIMES DURING WORKING HOURS.

6. THE CONTRACTOR SHALL NOTIFY THE CITY 48 HOURS IN ADVANCE OF COMMENCING WORK TO SCHEDULE A PRE-CONSTRUCTION CONFERENCE AND INSPECTION WITH THE ENGINEER AND CITY. NO WORK SHALL BEGIN UNTIL AFTER THE PRE-CONSTRUCTION CONFERENCE AND INSPECTION HAVE BEEN COMPLETED.

7. THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 7, "LEGAL RELATIONS AND RESPONSIBILITY" OF THE STANDARD SPECIFICATIONS.

8. RIGHTS TO ENTER AND CONSTRUCT SHALL BE OBTAINED PRIOR TO CONSTRUCTING ANY OFF-SITE WORK SHOWN IN THESE PLANS. COPIES OF SUCH DOCUMENTS SHALL BE KEPT ON-SITE AT ALL TIMES DURING THE PERFORMANCE OF OFF-SITE WORK.

9. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) 1800-642-2444 PRIOR TO PERFORMING ANY EXCAVATION ON THE PROJECT SITE. THE OWNER(S) OF IDENTIFIED EXISTING UNDERGROUND FACILITIES SHALL ALSO BE CONTACTED PRIOR TO CONSTRUCTION.

10. THE CONTRACTOR SHALL NOT CONSTRUCT ANY WORK WITHOUT ADEQUATE CONSTRUCTION STAKING. AS A MINIMUM, THE FOLLOWING STAKING SHALL BE REQUIRED: 1) CLEARING LIMITS, 2) SLOPE STAKES, 3) WATER LINE STAKES, 4) SEWER LINE STAKES, 5) STORM DRAIN STAKES, 6) FINISHED GRADE STAKES. ADDITIONAL STAKING MAY BE REQUIRED BY THE CITY DUE TO THE NATURE AND/OR COMPLEXITY OF THE WORK. LOST OR DAMAGED STAKES SHALL BE REPLACED TO THE SATISFACTION OF THE CITY WHETHER RESULTING FROM CONSTRUCTION PROCEDURES, VANDALISM, OR ANY OTHER CAUSE.

11. THE CONTRACTOR'S ATTENTION IS DIRECTED TO COUNTY OF EL DORADO RESOLUTION NO. 199-91, WHICH CONTAINS SPECIFIC REQUIREMENTS FOR THE PROTECTION AND PRESERVATION OF OAK TREES AND WETLANDS. THE CONTRACTOR SHALL REMOVE ONLY THOSE TREES SHOWN ON THE PLANS TO BE REMOVED. THE CONTRACTOR SHALL INSTALL PROTECTIVE FENCING AT THE DRIP LINE OF ALL REMAINING TREES WITHIN 50 FEET OF ANY GRADING, AND OTHERWISE COMPLY WITH THE PROVISIONS OF SAID ORDINANCE.

12. CONSTRUCTION HOURS SHALL BE LIMITED FROM MONDAY THROUGH SATURDAY, 7:00 A.M. TO 7:00 P.M. (OR SUNSET), UNLESS OTHERWISE SPECIFIED BY SEPARATE AGREEMENT (SUBDIVISION GRADING AGREEMENT, SUBDIVISION IMPROVEMENT AGREEMENT, ROAD IMPROVEMENT AGREEMENT, ETC.). ALL HEAVY EQUIPMENT AND ANY INTERNAL COMBUSTION ENGINES SHALL BE FITTED WITH ADEQUATE MUFFLERS.

13. THE CONTRACTOR SHALL PROVIDE, PLACE AND MAINTAIN ALL LIGHTS, SIGNS, DELINEATORS, BARRICADES, TEMPORARY TRAFFIC STRIPING, FLAGMEN, DETOURS OR OTHER DEVICES NECESSARY TO PROVIDE FOR THE SAFE AND CONVENIENT PASSAGE OF PUBLIC VEHICLE AND PEDESTRIAN TRAFFIC THROUGH THE CONSTRUCTION SITE.

14. THE CONTRACTOR SHALL OBTAIN THE EXPRESS WRITTEN CONSENT OF CITY PRIOR TO IMPLEMENTING ANY LANE CLOSURE OR DETOUR ON A CITY MAINTAINED STREET OR HIGHWAY. ALL LANE CLOSURES OR DETOURS SHALL CONFORM TO CHAPTER 5, "TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORK ZONES" OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION TRAFFIC MANUAL (LATEST EDITION).

15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL DURING CONSTRUCTION. AT LEAST ONE WATER TRUCK SHALL BE ON SITE AT ALL TIMES. ADDITIONAL EQUIPMENT MAY BE REQUIRED AS DETERMINED BY THE CITY.

16. THE CONTRACTOR SHALL OBTAIN AN APPROVED FUGITIVE DUST CONTROL PLAN, INCLUDING PROVISIONS FOR ASBESTOS HAZARD MITIGATION, IF REQUIRED, FROM THE CITY OF PLACERVILLE PRIOR TO BEGINNING OF WORK.

17. IF UNUSUAL AMOUNTS OF STONE, BONE, OR ARTIFACTS ARE UNCOVERED DURING CONSTRUCTION, ALL WORK SHALL BE STOPPED WITHIN ONE HUNDRED FEET (100') OF THE FIND, AND A QUALIFIED ARCHAEOLOGIST CONSULTED FOR AN ON-SITE EVALUATION. IF THE BONE APPEARS TO BE HUMAN, THE EL DORADO COUNTY CORONER AND THE NATIVE AMERICAN HERITAGE COMMISSION (PHONE 916- 322-7791) MUST BE CONTACTED.

18. IF THE PRESENCE OF SERPENTINE ROCK (SAF) IS DISCOVERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER, CITY OF PLACERVILLE THAT SERPENTINE ROCK IS PRESENT ON THE SITE. ADDITIONALLY, THE CONTRACTOR SHALL IMPLEMENT THE ASBESTOS HAZARD MITIGATION PROVISIONS CONTRACTOR SHALL IMPLEMENT THE ASBESTOS HAZARD MITIGATION PROVISIONS OF THE FUGITIVE DUST PLAN PRIOR TO CONTINUATION OF EARTHWORK IN AREAS WHERE SERPENTINE ROCK IS PRESENT.

19. UPON JOB COMPLETION, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE INFORMATION THE ENGINEER (LISTED BELOW), REGARDING ANY MATERIAL CHANGES MADE DURING CONSTRUCTION AS WELL AS ANY OTHER INFORMATION REQUIRED TO BE SHOWN ON THE RECORD DRAWINGS BY THE CITY, OR OTHER UTILITY COMPANIES, OR OTHER RESPONSIBLE AGENCIES.  
  
ENGINEER: WARREN CONSULTING ENGINEERS, INC.

20. CLEARING AND GRUBBING SHALL CONFORM TO THE PROVISIONS OF SECTION 16, "CLEARING AND GRUBBING" OF THE STANDARD SPECIFICATIONS. ROOTS, STUMPS, TREES, ROCKS OR OTHER DELETERIOUS SUBSTANCES SHALL BE DISPOSED OF OFF-SITE AND IN A LAWFUL MANNER.

21. EARTHWORK SHALL CONFORM TO THE PROVISIONS OF SECTION 19, "EARTHWORK" OF THE STANDARD SPECIFICATIONS. WIDENING OF EMBANKMENTS AND FLATTENING OF SLOPES, WHICH RESULT IN AN INCREASED AREA OF GRADING, WILL NOT BE PERMITTED WITHOUT EXPRESS WRITTEN APPROVAL OF THE CITY OF PLACERVILLE.

22. AGGREGATE BASE SHALL CONFORM TO THE PROVISIONS OF SECTION 26, "AGGREGATE BASE" OF THE STANDARD SPECIFICATIONS FOR CLASS 2 AGGREGATE BASE, 3/4" MAXIMUM GRADATION. AGGREGATE BASE SHALL NOT BE PLACED UNTIL THE PRIOR GRADING PLANE HAS BEEN APPROVED BY THE CITY.

23. ASPHALT CONCRETE SHALL CONFORM TO THE PROVISIONS OF SECTION 39, "ASPHALT CONCRETE" OF THE STANDARD SPECIFICATIONS FOR TYPE B ASPHALT CONCRETE. ASPHALT BINDER SHALL BE PERFORMANCE GRADE AR-4000. AGGREGATE FOR THE TOP LIFT SHALL BE 1/2" MAXIMUM, MEDIUM GRADATION. AGGREGATE FOR LOWER LIFTS SHALL BE 3/4" MAXIMUM, MEDIUM GRADATION. LIFT THICKNESS SHALL CONFORM TO THE PROVISIONS OF SECTION 39-6, "SPREADING AND COMPACTION" OF THE STANDARD SPECIFICATIONS. ASPHALT CONCRETE SHALL NOT BE PLACED UNTIL THE PRIOR GRADING PLANE HAS BEEN APPROVED BY CITY, AND ALL UTILITIES WITHIN THE PAVED AREA HAVE BEEN PLACED, TESTED, AND APPROVED.

24. AFTER ACCEPTANCE OF THE FINAL LIFT OF ASPHALT CONCRETE, AND PRIOR TO THE END OF THE WARRANTY PERIOD, ALL ROADWAYS SHALL BE FOG SEALED IN ACCORDANCE WITH SECTION 37-1, "SEAL COATS" OF THE STANDARD SPECIFICATIONS. ASPHALTIC EMULSION SHALL BE SLOW-SETTING TYPE, GRADE SSI, CONFORMING TO THE REQUIREMENTS OF SECTION 94, "ASPHALTIC EMULSIONS" OF THE STANDARD SPECIFICATIONS.

25. SUBGRADE - WHEN ASPHALT CONCRETE OR ASPHALT CONCRETE BASE IS TO BE PLACED ON THE GRADING PLANE, THE GRADING PLANE SHALL NOT VARY MORE THAN 0.05 FOOT ABOVE OR BELOW THE GRADE ESTABLISHED BY THE ENGINEER. WHEN SUBBASE OR BASE MATERIAL (OTHER THAN ASPHALT CONCRETE BASE) IS TO BE PLACED ON THE GRADING PLANE, THE GRADING PLANE AT ANY POINT SHALL NOT VARY MORE THAN 0.05 FOOT ABOVE THE GRADE ESTABLISHED BY THE ENGINEER.

26. PRECAST CONCRETE STRUCTURES SHALL CONFORM TO SECTION 70-1.02H "PRECAST CONCRETE STRUCTURES" OF THE STANDARD SPECIFICATIONS.

27. WHERE TYPE B DROP INLETS EXCEED 5 FEET IN HEIGHT, REINFORCING STEEL SHALL BE INSTALLED AS SHOWN ON THE PLAN DETAIL. REINFORCING STEEL SHALL BE # 4 BARS, INSTALLED IN THE VERTICAL WALLS AT 12" O.C. (BOTH DIRECTIONS). 3" CLEARANCE SHALL BE MAINTAINED FROM THE OUTSIDE FACE OF THE WALLS. UNDER NO CIRCUMSTANCES WILL TYPE B DROP INLETS BE ALLOWED IN EXCESS OF 8 FEET IN HEIGHT.

28. WHERE ANY PORTION OF THE STRUCTURE EXCAVATION FOR VERTICAL CONCRETE STRUCTURES (MANHOLES, INLETS, VAULTS, ETC.) IS WITHIN THE STREET, MATERIAL USED TO BACKFILL SUCH STRUCTURES SHALL CONFORM TO SECTION 19-3.06, "STRUCTURE BACKFILL" OF THE STANDARD SPECIFICATIONS. COMPACTION TESTS WILL BE TAKEN EVERY 2-3 FEET VERTICALLY. WHERE CAST-IN-PLACE STRUCTURES ARE PLACED AGAINST UNDISTURBED NATIVE MATERIAL, THIS REQUIREMENT SHALL NOT APPLY.

29. ALL STRIPING (CENTERLINE, EDGELINES, LANELINES, CHANNELIZING LINES, ETC.) AND ALL OTHER PAVEMENT MARKINGS (LIMIT LINES, LEGENDS, CROSSWALK LINES, ARROWS, LEGENDS, ETC.) SHALL BE THERMOPLASTIC, CONFORMING TO CALTRANS STANDARD SPECIFICATIONS SECTION 84-2.

30. BEFORE FINALIZATION OF THE PROJECT, THE GEOTECHNICAL ENGINEER AND THE (STRUCTURAL) DESIGN ENGINEER, SHALL CERTIFY, RESPECTIVELY, THAT THE WALLS ON THE PLAN WERE BUILT IN CONFORMANCE WITH THE RESPECTIVE GEOTECHNICAL AND STRUCTURAL RECOMMENDATIONS FOR THE PROJECT.

31. IF BLASTING ACTIVITIES ARE TO OCCUR IN CONJUNCTION WITH DEVELOPMENT, THE DEVELOPER SHALL ENSURE THAT SUCH BLASTING ACTIVITIES ARE CONDUCTED IN COMPLIANCE WITH STATE AND LOCAL REGULATIONS.

32. IF BURNING ACTIVITIES ARE TO OCCUR DURING CONSTRUCTION, THE DEVELOPER SHALL OBTAIN THE NECESSARY BURNING PERMITS FROM THE CALIFORNIA DEPARTMENT OF FORESTRY AND AIR POLLUTION PERMITS FROM THE COUNTY PRIOR TO SAID BURNING ACTIVITIES.

33. STORM DRAINS SHALL BE TELEVIEWED WHEN BACKFILL REACHES THE POINT OF 2 FOOT OF COMPACTED TRENCH FILL OVER THE PIPE. A COPY OF THE VIDEOTAPE WILL BE PROVIDED TO THE CITY OF PLACERVILLE INSPECTOR, AND NO PAVING OVER THE PIPE WILL BE DONE WITHOUT THE INSPECTOR'S AUTHORIZATION. COST OF TELEVIEWING WILL BE INCLUDED IN THE UNIT COST OF CONSTRUCTION.

34. STORM DRAINS IN PUBLIC RIGHT-OF-WAY, IN IRREVOCABLE OFFERS OF DEDICATIONS, OR THAT ARE TO BE MAINTAINED BY A ZONE OF BENEFIT (ZOBS), SERVICE DISTRICT (CSD), SERVICE AREA (CSA), OR ANY OTHER PUBLICLY ADMINISTERED AGENCY WILL BE OF THE FOLLOWING MATERIALS:  
  
A. REINFORCED CONCRETE PIPE (RCP)  
B. HIGH DENSITY POLYETHYLENE PIPE (HDPE), 48" MAXIMUM  
C. CORRUGATED STEEL PIPE, BUT ONLY UNDER THE FOLLOWING CIRCUMSTANCES  
(1) 48" MAXIMUM  
(2) NON-EROSIVE FLOW VELOCITIES  
(3) ALUMINIZED  
(4) NOMINAL THICKNESS FOR 50 YEAR LIFE (AASHTO DESIGNATION M196)  
(5) POLYMERIZED ASPHALT (SEC. 66-1.03 CALTRANS) OR 4" REINFORCED CONCRETE PAD IN BOTTOM THIRD  
(6) IN NON-CORROSIVE SOILS (INCLUDING BACKFILL)  
D. STEEL PLATE OR STEEL ARCH WITH CONCRETE OR "SOFT" BOTTOM.

35. STREET NAME SIGNS SHALL BE INSTALLED AT EVERY INTERSECTION.

36. THE CONTRACTOR SHALL FURNISH AND INSTALL TYPE F-2 MARKERS AT BOTH ENDS OF CULVERTS. THE CULVERT MARKERS SHALL HAVE A TWO INCH WIDE BLACK STRIP AT THE TOP OF THE MARKER. ABOVE ELEVATIONS 3,000 FEET, THE CONTRACTOR SHALL FURNISH AND INSTALL TYPE F MARKERS WITH SNOW POLE BRACKETS ON ALL DUKES AT 100 FOOT INTERVALS AND AT BOTH ENDS OF CULVERTS. ABOVE ELEVATION 3,000 FEET, THE CONTRACTOR SHALL INSTALL METAL MARKER POSTS WITH SNOW POLE BRACKETS NEAR EACH FIRE HYDRANT.

37. CONTRACTOR SHALL NOT START ANY UTILITY WORK UNTIL A JOINT TRENCH COMPOSITE PLAN HAS BEEN APPROVED BY THE ENGINEERING DEPARTMENT (WATER AND SEWER EXCEPTED). ALL UTILITY WORK PERFORMED IN THE COUNTY RIGHT OF WAY SHALL REQUIRE AN ENCROACHMENT PERMIT.

38. WATER AND SEWER LINES SHALL BE TESTED AND APPROVED PRIOR TO PLACING PAVEMENT ON THE STREET.

39. OMISSIONS AND ERRORS ON PLANS SHALL NOT BE VALID, AND ALL CODES AND LAWS MUST BE COMPLIED WITH BY THE OWNER, ENGINEER AND CONTRACTOR.

40. ALL NEW OR RECONSTRUCTED DRAINAGE INLETS SHALL HAVE A STORM WATER QUALITY MESSAGE STAMPED INTO THE CONCRETE, CONFORMING TO SACRAMENTO COUNTY STANDARD DRAWING 11-10. ALL STAMPS SHALL BE APPROVED BY THE CITY OF PLACERVILLE INSPECTOR PRIOR TO BEING USED.

GRADING AND GEOTECHNICAL SPECIFICATIONS:

ALL GRADING SHALL BE DONE UNDER OBSERVATION AND TESTING BY A QUALIFIED CIVIL ENGINEER OR GEOTECHNICAL ENGINEER AND IF REQUIRED BOTH A CIVIL ENGINEER OR GEOTECHNICAL ENGINEER AND AN ENGINEERING GEOLOGIST. ALL GRADING MUST BE PERFORMED IN ACCORDANCE WITH APPLICABLE COUNTY ORDINANCES AND THE RECOMMENDATIONS AND SPECIFICATIONS SET FORTH IN THE SOILS REPORT OR GEOLOGIST/GEOTECHNICAL INVESTIGATION ENTITLED:

\*\*\*NOTE: HISTORICAL REPORT, NOT CURRENT, USED FOR REFERENCE ONLY.\*\*\*

REPORT NAME: GEOTECHNICAL ENGINEERING STUDY FOR PROPOSED ACUTE CARE ADDITION

AND GEOHAZARD EVALUATION

GEOTECHNICAL ENGINEER: YOUNGDAHL CONSULTING GROUP

REPORT NO: 9123.27REPORT DATE: OCTOBER, 2005

ADDRESS: 1234 GLENHAVEN COURTPHONE: 916.933.0633

EL DORADO HILLS, CA 95762FAX: 916.933.6482

AT COMPLETION OF THE GRADING OPERATIONS, AN AS-GRADED SOILS, OR IF REQUIRED, AN AS-GRADED SOILS AND GEOLOGICAL REPORT WILL BE PREPARED. ONE COPY OF THE AS-GRADED REPORT WILL BE SUBMITTED TO EACH: THE CITY OF PLACERVILLE INSPECTOR AND THE CITY OF PLACERVILLE ENGINEERING DEPARTMENT.

CONTRACTOR NOTE:

1. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

FUGITIVE DUST PREVENTION AND CONTROL AND ASBESTOS HAZARD DUST MITIGATION NOTES

1. THE CONTRACTORS ATTENTION IS DIRECTED TO SECTION 10, DUST CONTROL OF THE STANDARD SPECIFICATIONS, COUNTY OF EL DORADO AIR POLLUTION CONTROL DISTRICT (APCD) RULE 223, AND COUNTY OF EL DORADO ORDINANCE 4548. COPIES OF APCD RULE 223 AND ORDINANCE 4548 MAY BE OBTAINED FROM THE COUNTY OF EL DORADO DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, 2850 FAIRLANE COURT, PLACERVILLE, CA 95667

WCE GENERAL NOTES

1. THE TYPES, LOCATIONS, SIZES, AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF THE Delineation OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBERS OF UNDERGROUND SERVICE ALERT (USA) TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING TOLL FREE 1-800-227-2600, OR 811.

811

Know what's below.  
Call before you dig.
2. WARREN CONSULTING ENGINEERS, INC. (WCE) ASSUMES NO RESPONSIBILITY FOR ERRORS IN PHYSICAL LOCATION OF IMPROVEMENTS, HORIZONTAL OR VERTICAL, IF STAKED BY OTHERS. IN ADDITION, ANY SUCH ERRORS IN PHYSICAL LOCATION MAY AFFECT THE INTENDED DESIGN OF SUCH IMPROVEMENTS AND WCE CANNOT BE HELD RESPONSIBLE FOR SUCH CONDITIONS WHICH ARE A RESULT OF ERRORS IN SURVEYING, OR IMPROPER CONSTRUCTION.

3. IF SUBSURFACE CULTURAL RESOURCES, REMAINS, AND/OR ARTIFACTS ARE UNCOVERED DURING PROJECT CONSTRUCTION, ALL WORK IN THE VICINITY SHALL BE STOPPED UNTIL SUCH ITEMS CAN BE ASSESSED BY AN APPROPRIATE MEMBER OF THE COUNTY ENVIRONMENTAL IMPACT SECTION STAFF.

4. CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

5. THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY FOR ALL EXCAVATIONS OF 5 FEET OR MORE IN DEPTH.

6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY PRE-BID AND PRE-CONSTRUCTION SITE INSPECTION, AND/OR OBSERVATIONS ON THE SITE TO PRE-DETERMINE ALL HIS/HER MEANS AND METHODS NECESSARY TO COMPLETE THE IMPROVEMENTS SHOWN ON THESE PLANS AND PER THE PROJECT SPECIFICATIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE, AND INCLUDE IN HIS/HER CONTRACT, ALL MEANS AND METHODS NECESSARY TO PERFORM A COMPLETE AND ACCEPTABLE JOB.

7. WHERE IMPROVEMENTS LIE WITHIN AN EXISTING DEVELOPED AREA, CONTRACTOR SHALL USE CAUTION WHEN ACCESSING THE SITE THROUGH EXISTING IMPROVEMENTS. IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT ANY SUCH EXISTING IMPROVEMENTS OUTSIDE THE PROJECT BOUNDARY, OR EXISTING IMPROVEMENTS WITHIN THE BOUNDARY WHICH ARE TO REMAIN. PROPER PRECAUTIONS SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.

8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO KEEP DETAILED RECORDS OF MINOR CHANGES OR ADJUSTMENTS MADE DURING CONSTRUCTION (WHICH WERE NOT FORMALLY ISSUED). UPON PROJECT COMPLETION, THESE RECORDS AND/OR INFORMATION SHALL BE PROVIDED TO THE OWNER AND WARREN CONSULTING ENGINEERS, INC. UNLESS AN OFFICIAL "AS-BUILT" SET OF PLANS IS A REQUIREMENT OF THE CONTRACT. IF AS-BUILT PLANS ARE A REQUIREMENT OF THE CONTRACT, REFER TO SPECIFICATIONS FOR AS-BUILT DELIVERABLE REQUIREMENTS.

9. IN VEHICULAR PATHWAYS, EXISTING ASPHALTIC AND/OR CONCRETE SURFACES SHALL BE CUT TO A NEAT AND STRAIGHT LINE, PARALLEL OR PERPENDICULAR TO THE VEHICULAR TRAVELED PATH. THIS IS TYPICALLY THE ROADWAY CENTERLINE, BUT MAY VARY. THAT SAWCUT EDGE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION SO A CLEAN EDGE REMAINS FOR PATCH BACK. IF EDGE IS DAMAGED, A NEW SAW CUT WILL BE REQUIRED. THE EXPOSED EDGE SHALL BE "TACKED" WITH EMULSION PRIOR TO PAVING.

10. NO BURNING OR BLASTING SHALL BE ALLOWED ONSITE UNLESS SPECIFICALLY ADDRESSED ON PLANS, OR SPECIFICALLY APPROVED AND COORDINATED WITH THE ARCHITECT, ENGINEER, AND LOCAL AGENCY OR OTHER ADMINISTRATIVE AUTHORITY.

11. SUBGRADE AND RESULTING FINISHED GRADE SHALL BE CONSTRUCTED SMOOTH AND UNIFORM BETWEEN SPOT ELEVATIONS, CONTOURS OR OTHER STRUCTURE ELEVATIONS SHOWN ON GRADING OR OTHER PLANS. NO MOUNDS, RUTS, DEPRESSIONS OR OTHER GRADING DEFICIENCIES WILL BE ALLOWED UNLESS SPECIFICALLY SHOWN ON PLANS.

12. ON NEW WATER SYSTEMS, SERVICE LATERALS SHALL BE MADE USING APPROPRIATE "TEE" AND "WYE" FITTINGS. SADDLE TAPS WILL ONLY BE ALLOWED WHEN MAKING CONNECTIONS TO EXISTING WATER MAINS.

13. CURING COMPOUND SHALL BE APPLIED IN A CONTINUOUS SOLID WET FLOWING COAT. ANY "SPOTTY" APPLICATIONS SHALL BE RECOATED IMMEDIATELY. APPLICATION SHALL BE INSPECTED BY PROJECT INSPECTOR DURING APPLICATION.

14. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE ADDITIONAL SCORE OR EXPANSION JOINTS TO PREVENT UNCONTROLLED CRACKING. THOSE ADDITIONAL JOINTS MAY OR MAY NOT BE SPECIFICALLY SHOWN ON PLANS BUT SHALL BE PROVIDED BY THE CONTRACTOR.

15. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE A MINOR ADJUSTMENT OF REBAR WITHIN CONCRETE TO ALLOW FOR SUCH STRUCTURE. THAT REBAR ADJUSTMENT MAY NOT BE SPECIFICALLY SHOWN ON PLANS.

16. NO MORE THAN 1 GALLON OF WATER PER YARD OF CONCRETE CAN BE ADDED TO THE TRUCK AFTER ARRIVAL TO PROJECT SITE. THE ADDITION OF WATER CAN ONLY BE ADDED UNDER THE SUPERVISION OF THE CONCRETE INSPECTOR OR LABORATORY TECHNICIAN.

17. WHEN PUMPING CONCRETE FOR PLACEMENT, ABSOLUTELY NO WATER IS TO BE ADDED TO PUMP HOPPER. ANY WATER ADDED TO HOPPER WILL BE REASON FOR CONCRETE REJECTION AT THE CONTRACTORS EXPENSE.

18. ALL CONTRACTOR/CONSTRUCTION JOINTS "CJ" SHALL BE 1/4 THE SLAB THICKNESS DEEP, BUT NO LESS THAN 1" FOR CONTROLLING OF CRACKING. CONTRACTOR SHALL EXERCISE CAUTION WHEN FINAL TROWELING OF CONCRETE SO AS NOT TO FILL IN THESE JOINTS WITH CONCRETE CREAM. ANY CRACKS OUTSIDE OF JOINTS WHICH WERE CONSTRUCTED LESS THAN 1" DEEP, SHALL BE CAUSE FOR CONCRETE SLAB(S) TO BE REMOVED AND REPLACE AT CONTRACTORS EXPENSE.

19. ANY SCREED BOARDS SET WITHIN CONCRETE SLABS SHALL BE AN "OVERHEAD SCREED" SO THERE IS NO INTERFERENCE WITH THE PLACEMENT AND ALIGNMENT OF SLAB REINFORCING.

20. 3-1/2" FELT JOINTS WILL NOT BE ACCEPTED. PROVIDE A FULL 4" FELT JOINT FOR 4" SLAB CONSTRUCTION, AND A 6" FELT JOINT FOR A 6" SLAB CONSTRUCTION.

21. SHOULD ANY SHRINKAGE CRACKS OCCUR OUTSIDE OF EITHER THE EXPANSION JOINTS OR CRACK CONTROL JOINTS, THEN THE CONCRETE SLAB SHALL BE SAWCUT AT THE NEAREST JOINTS ON EACH SIDE OF THE CRACK AND THE CONCRETE SECTION SHALL BE, REMOVED AND REPLACED. NEW CONCRETE SHALL BE DOWELED INTO EXISTING CONCRETE PER DRAWING DETAIL.

22. ALL AREAS DISTURBED BY GRADING OPERATIONS WHETHER SHOWN ON THE DRAWINGS OR NOT SHALL BE HYDRO SEEDED UNLESS OTHERWISE NOTED. HYDRO SEEDING SHALL CONFORM TO LOCAL CITY/COUNTY STANDARDS.

23. REPAIR OR PATCHING OF GALVANIZED METALS, SUCH AS AFTER WELDING GALVANIZED COMPONENTS, SHALL BE MADE USING A ZINC COMPOSITION "HOT STICK" APPLICATION PER ASTM A 780-01. GALVANIZING PAINTS WILL NOT BE ALLOWED.

PAVING SURFACE NOTES:

1. PROVIDE EQUIVALENT OF MEDIUM BROOM FINISH AT SLOPES UP TO 5.99%, TYPICAL. PROVIDE EQUIVALENT OF HEAVY BROOM FINISH AT SLOPES 6% AND GREATER. REFER TO SPECIFICATIONS.

2. ALL NEW PEDESTRIAN WALKWAYS (NON-RAMP) SHALL BE SLOPED NO GREATER THAN 1.9%, AND NO LESS THAN 0.75% IN ANY DIRECTION, UNLESS SPECIFICALLY LABELED OTHERWISE. ALL CONCRETE SHALL MEET THE FOLLOWING SLOPE REQUIREMENTS:  
  
- NO GREATER THAN 4.75% SLOPE IN THE DIRECTION OF TRAVEL.  
- NO GREATER THAN 1.9% SLOPE CROSSING THE DIRECTION OF TRAVEL.  
- NO GREATER THAN 1.9% SLOPE IN ANY DIRECTION IN COURTYARD OR PLAZA AREAS.

3. THE CONTRACTOR SHALL ENSURE THAT A 5'-0" MIN. (SQ.) LEVEL LANDING (1.9% MAX., ANY DIRECTION) IS PROVIDED AT EVERY EXTERIOR DOOR AS IDENTIFIED ON THE PLANS. THIS SHALL BE DONE PRIOR TO CONCRETE POURING TO ENSURE NO VARIATION FROM THE PLANS OR ERROR IN GRADE HAS OCCURRED.

Consultant Info

Architect Info

Greenbough Design

1100 Marshall Way, Placerville, CA 95667

Revisions

No.	Description	Date

City of Placerville Permit No.

Greenbough Design Project #

18022

Drawn By

SMN

Checked By

TF

Issue Date

3/5/2019

Issue Purpose

Schematic Design

Consultant Stamp

Architect Stamp

Sheet Name

City and General Notes

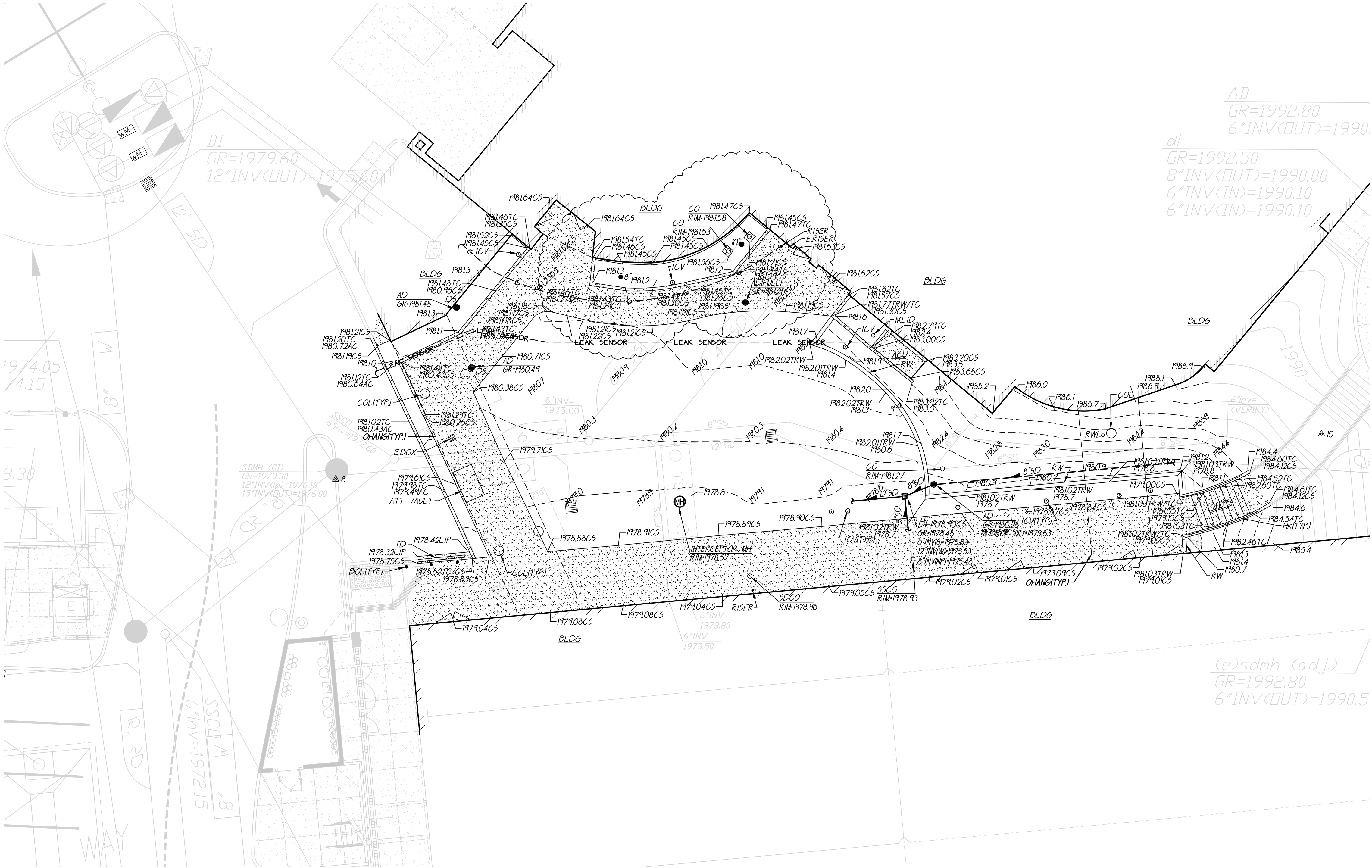
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Permit Set



FILENAME: \\19-047\CIVIL\DWG\19-047-C0.3.DWG PLOTTED: Wednesday, April 01, 2020



### ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THESE PLANS.

TOPOGRAPHIC FEATURES			
AC	ASPHALTIC CONCRETE	EX	EXISTING
ACC	ACCESSIBLE	FA	FIRE ALARM
ACU	AIR CONDITIONING UNIT	FDC	FIRE DEPARTMENT CONNECTION
AD	AREA DRAIN	FFE	FINISHED FLOOR ELEVATION
APN	ASSESSOR'S PARCEL NUMBER	FH	FIRE HYDRANT
ARV	AIR RELEASE VALVE	FL	FLOWLINE
BCM	BASKETBALL POLE	FO	FIBER OPTIC
BGM	BRASS CAP MONUMENT	FS	FIRE SERVICE
BFF	BACK FLOW PREVENTER	G	GAS
BL	BLOCK	GB	GRADE BREAK
BLDG	BUILDING	GR	GRATE
BOL	BOLLARD	GRB	GROUND ROD BOX
BOV	BLOW-OFF VALVE	GROD	GROUND ROD
BR	BRICK	GV	GAS VALVE
B.W.F.	BARBED WIRE FENCE	HB	HOSE BIBB
C	CHAIN LINK FENCE	HBD	HEADER BOARD
C/L	CENTERLINE	HP	HIGH PRESSURE
CATV	CABLE TELEVISION	HR	HANDRAIL
CIP	CAPPED IRON PIPE	HVE	HIGH VOLTAGE ELECTRIC
CL.F.	CHAIN LINK FENCE	HWF	HOG WIRE FENCE
CMF	CORRUGATED METAL PIPE	ICP	IRRIGATION CONTROL PANEL
CN	CLEANOUT	ICV	IRRIGATION CONTROL VALVE
COL	COLUMN	INV	PIPE INVERT ELEVATION
CONC.	CONCRETE	IRR	IRRIGATION
COND.	CONDENSATE	JP	JOINT UTILITY POLE
CPF	CONTROL POINT FOUND	JT	JOINT TRENCH
CPS	CONTROL POINT SET	LNDG	LANDING
CS	CONCRETE SURFACE	LVE	LOW VOLTAGE ELECTRIC
DDC	DEPTH	M	METAL
DDC	DOUBLE DETECTOR CHECK VALVE	MH	MANHOLE
DF	DRINKING FOUNTAIN	MS	MOW STRIP
DG	DECOMPOSED GRANITE	MSC	METAL STORAGE CONTAINER
DI	DRAIN	NTS	NOT TO SCALE
DIA	DIMETER	OH	OVERHEAD
DRWY	DRIVEWAY	OHANG	OVERHANG
DS	DOWNSPOUT	OIP	OPEN IRON PIPE
DWG	DRAWING	OSPH	OLD STEEL POST HOLE
E	ELECTRIC	P/L	PROPERTY LINE
EP	EDGE OF PAVEMENT	PA	PLANTER AREA
ESMT	EASEMENT	PB	PARKING BUMPER
		PH	POSTHOLE
		PIV	POST INDICATOR VALVE
		PP	POWER POLE
		PRKG	PARKING
		PUE	PUBLIC UTILITY EASEMENT
		PV	PAVERS
		PVC	POLYVINYL CHLORIDE
		R	RUBBER
		RIM	MANHOLE RIM ELEVATION
		ROW	RIGHT OF WAY
		RP	REDUCED PRESSURE BACKFLOW PREVENTER
		RW	RAIN WATER LEADER
		RWALL	RETAINING WALL
		SD	STORM DRAIN
		SDMH	STORM DRAIN MANHOLE
		SIG	SIGNAL
		SL	STREET LIGHT
		SLB	STREET LIGHT BOX
		SS	SANITARY SEWER
		SSCO	SANITARY SEWER CLEANOUT
		STL	SANITARY SEWER MANHOLE
		T	TELEPHONE
		TBALL	TETHER BALL POLE
		TC	TEMPORARY BENCHMARK
		TC	TOP OF CURB
		TP	TOP OF WALL
		TRW	TELEPHONE POLE
		US	TOP OF RETAINING WALL
		UNK	UNKNOWN
		VBALL	VOLLEYBALL
		W	WATER
		W/O	WITHOUT
		W/O	WOOD
		W.F.	WROUGHT IRON FENCE
		W.R.F.	WOOD RAIL FENCE
		XFRMR	TRANSFORMER
		XWALK	CROSSWALK

### TBM LIST

PT#	DESCRIPTION	NORTHING	EASTING	ELEVATION
1	CPS CHISELED "+"	10339.97	8858.86	1993.46
2	CPS CHISELED "+"	10347.09	8940.77	1993.53
3	CPS CHISELED "+"	10460.66	9236.39	2014.02
4	CPS CHISELED "+"	10463.73	9087.10	2006.06
5	CPS CHISELED "+"	10798.76	9067.73	1985.31
6	CPS CHISELED "+"	10761.99	9109.30	1990.86
322	CPF CHISELED "+"	10449.95	9319.66	2012.56
326	CPF CHISELED "+"	10221.86	9236.53	2014.81

BASIS OF BEARINGS:  
PER FOUND MONUMENTS, THE BASIS OF BEARINGS FOR THIS SURVEY IS IDENTICAL TO  
GOYAN HEIGHTS SUBDIVISION AS RECORDED IN "A" MAPS 23.

F.E.M.A. INFORMATION:  
THE SUBJECT PROPERTY IS LOCATED IN "ZONE X-- AREAS  
DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN."  
PER FLOOD INSURANCE RATE MAP 06017C0756E DATED SEPTEMBER  
26, 2008.

NOTE:  
EXISTING UTILITIES BASED ON VISIBLE SURFACE STRUCTURES ONLY.  
SCREENED PORTIONS OF THIS PLAN ARE NOT PART OF FIELD SURVEY.

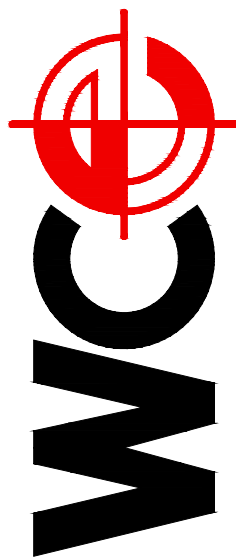
### EXISTING TOPOGRAPHY TOPOGRAPHIC FEATURES

NOTE: NOT ALL SYMBOLS MAY BE USED ON THESE PLANS.

- PROPERTY LINE
- CENTERLINE
- EASEMENT
- PROPERTY CORNER FOUND AS NOTED
- PROPERTY CORNER NOTHING FOUND OR SET
- TEMPORARY BENCHMARK (SEE TBM LIST FOR INFO)
- SWALE OR DRAINAGE FLOW
- DRAINAGE FLOW
- FENCE (TYPE NOTED)
- TREE (SIZE/TYPE INDICATED)
- SLOPE
- CONTOUR
- CONCRETE SURFACE
- EDGE OF ASPHALT
- EDGE OF BUILDING
- SIGN
- POST OR BOLLARD
- GROUND ELEVATION
- HARD SURFACE ELEVATION

### EXISTING UTILITIES

- 12"SD STORM DRAIN LINE (SIZE + DIRECTION OF FLOW)
- 12"SD STORM DRAIN LINE (RECORD INFORMATION)
- 12"SD STORM DRAIN LINE (UNDERGROUND LOCATING)
- SD STORM DRAIN MANHOLE
- SD STORM DRAIN CLEANOUT
- DI DROP INLET
- DI AREA DRAIN
- RWL RAIN WATER LEADER
- DS DOWNSPOUT
- 12"SS SANITARY SEWER LINE (SIZE + DIRECTION OF FLOW)
- 12"SS SANITARY SEWER LINE (RECORD INFORMATION)
- 12"SS SANITARY SEWER LINE (UNDERGROUND LOCATING)
- SS SANITARY SEWER MANHOLE
- SS SANITARY SEWER CLEANOUT
- W WATER LINE (SIZE INDICATED)
- W WATER LINE (RECORD INFORMATION)
- W WATER LINE (UNDERGROUND LOCATING)
- W WATER MANHOLE
- W WATER VALVE
- WM WATER METER
- WB WATER BOX
- W IRRIGATION CONTROL VALVE
- W FIRE HYDRANT
- BACKFLOW PREVENTER
- SPRINKLER
- HOSE BIBB
- OH-E OVERHEAD ELECTRIC LINE
- E UNDERGROUND ELECTRIC LINE
- E UNDERGROUND ELECTRIC LINE (RECORD INFORMATION)
- E UNDERGROUND ELECTRIC LINE (UNDERGROUND LOCATING)
- E ELECTRIC MANHOLE
- U UTILITY POLE (WITH GUY WIRE)
- EM ELECTRIC METER
- E ELECTRIC BOX
- SLB STREET LIGHTING BOX
- OR LIGHT STANDARD
- SIGNAL LIGHT
- FL FLOOD LIGHT
- G GAS LINE (SIZE INDICATED)
- G GAS LINE (RECORD INFORMATION)
- G GAS LINE (UNDERGROUND LOCATING)
- G GAS MANHOLE
- G GAS VALVE
- G GAS METER
- T TELEPHONE LINE
- T TELEPHONE LINE (RECORD INFORMATION)
- T TELEPHONE LINE (UNDERGROUND LOCATING)
- SD STORM DRAIN BOX
- TS TRAFFIC SIGNAL BOX



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Consultant Info

Architect Info

Greenbough Design

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2017

Marshall Medical Center

Outdoor Dining

1100 Marshall Way, Placerville, CA 95667

Revisions		
No.	Description	Date

City of Placerville Permit No.

Greenbough Design Project #	18022
Drawn By	SMN
Checked By	TF
Issue Date	3/5/2019
Issue Purpose	Schematic Design

Consultant Stamp	Architect Stamp

Sheet Name

Topographic Survey

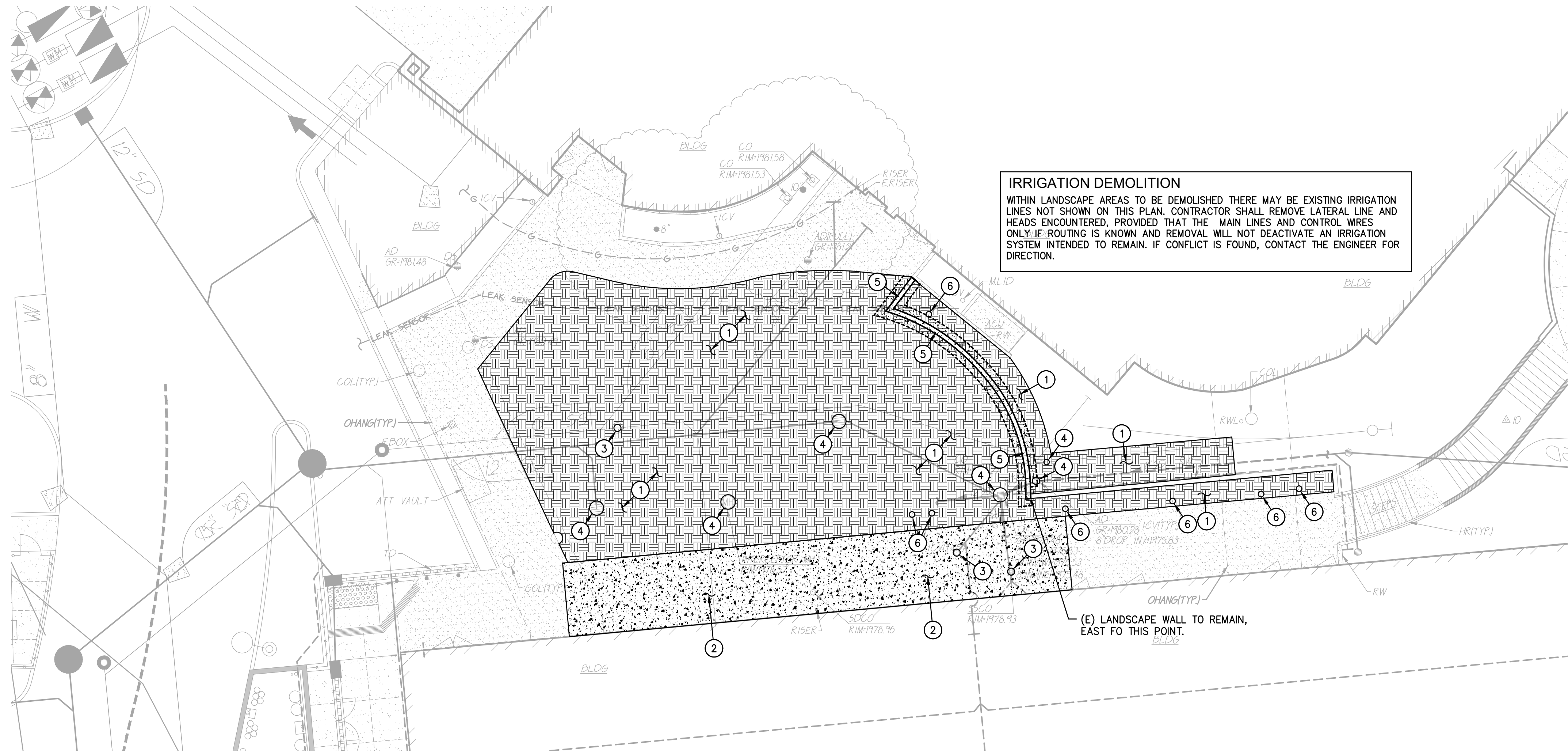
Sheet Number

C0.3

Permit Set



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**IRRIGATION DEMOLITION**  
WITHIN LANDSCAPE AREAS TO BE DEMOLISHED THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINE AND HEADS ENCOUNTERED, PROVIDED THAT THE MAIN LINES AND CONTROL WIRES ONLY IF ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEM INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ENGINEER FOR DIRECTION.

DEMOLITION GENERAL NOTES

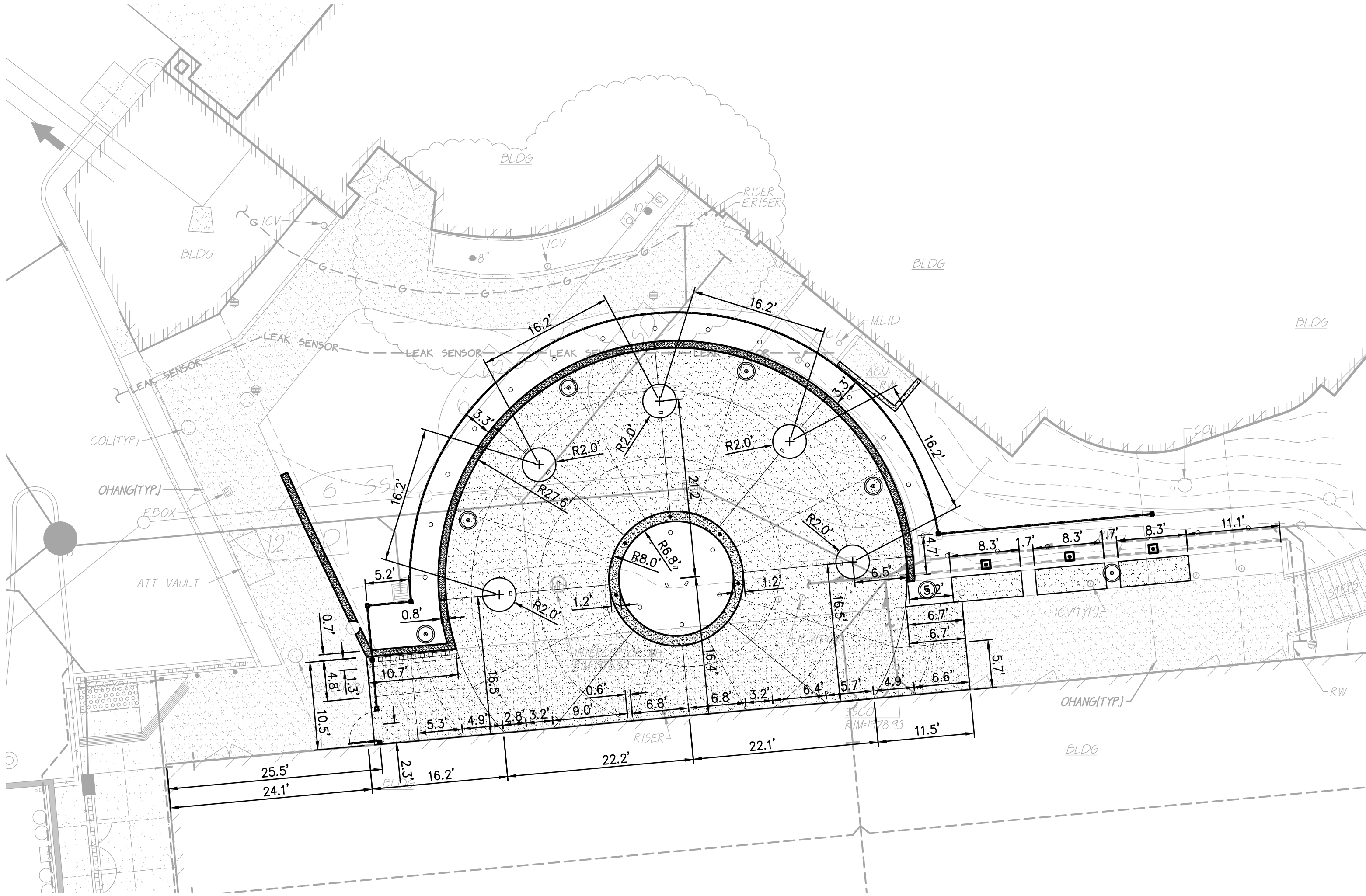
1. IN THE EVENT THAT ANY UNUSUAL CONDITIONS NOT COVERED BY THE GEOTECHNICAL INVESTIGATION REPORT OR ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER AND THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
2. ALL DEMOISHED ITEMS SHALL BE DISPOSED OF OFFSITE AT A SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.
3. ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.
4. THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN IN THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY THE DISTRICT TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK IN ORDER TO VERIFY TO THE GREATEST EXTENT POSSIBLE THE EXISTING UTILITY LINES, CONFLICTS AND PROPOSED UTILITY CONNECTION POINTS.
5. ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
6. CONTRACTOR SHALL COMPLY WITH CHAPTER 33 OF THE 2016 CFC, "FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION" AT ALL TIMES DURING CONSTRUCTION.
7. CONTRACTOR SHALL HIRE A UTILITY LOCATING COMPANY AND SHALL SCAN THE ENTIRE AREA WITHIN THE LIMITS OF NEW WORK. ALL UTILITIES LOCATED SHALL BE MARKED AND PROTECTED DURING THE LIMING OPERATIONS AS WELL AS ANY EXCAVATING TASKS. ANY UTILITY DAMAGED WITHIN THE LIMITS OF WORK WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR.
8. ALL DEMOLITION SHALL BE APPROPRIATELY SUPPORTED AND REINFORCED DURING REMOVAL TO PREVENT INJURY FROM FALLING, PROJECTILE, OR OTHERWISE MOVING DEBRIS OR OTHER DELETERIOUS MATERIAL. ONSITE SAFETY WITHIN THE LIMITS OF WORK IS THE CONTRACTORS SOLE RESPONSIBILITY.

DEMOLITION NOTES

- AND/OR  
LEGEND
- DEMOLITION NOTES
1. REMOVE ALL PLANTS, SHRUBS AND OTHER EXISTING VEGETATION AND MULCH TO ALLOW FOR NEW WORK. RELOCATE IRRIGATION VALVE AND HEADS AS NEEDED TO COMPLETE NEW WORK, SEE GRADING PLAN.
  2. REMOVE EXISTING CONCRETE PAVING AND BASE AGGREGATES (IF EXIST). WHERE SAWCUTS ARE NECESSARY, THEY SHALL BE A NEAT STRAIGHT LINE. CUT SHALL BE MADE AT NEAREST EXISTING JOINT TO LOCATION SHOWN.
  3. REMOVE EXISTING UTILITY/VALVE BOX. PROTECT UTILITY FROM DAMAGE DURING CONSTRUCTION. PROVIDE NEW TRAFFIC RATED BOX/VAULT APPROPRIATE FOR UTILITY PER SPECIFICATIONS AND SET FLUSH WITH FINISHED GRADE.
  4. REMOVE EXISTING DRAINAGE OR SEWER STRUCTURE FRAME AND COVER AND PROVIDE NEW, SEE DRAINAGE AND UTILITY PLAN.
  5. REMOVE EXISTING CONCRETE RETAINING WALL AND FOOTING AS SHOWN.
  6. ADJUST TO GRADE AND/OR RELOCATE IRRIGATION VALVE TO ALLOW FOR NEW WORK. REFER TO NEW LANDSCAPE AND IRRIGATION PLANS FOR ADDITIONAL INFO.

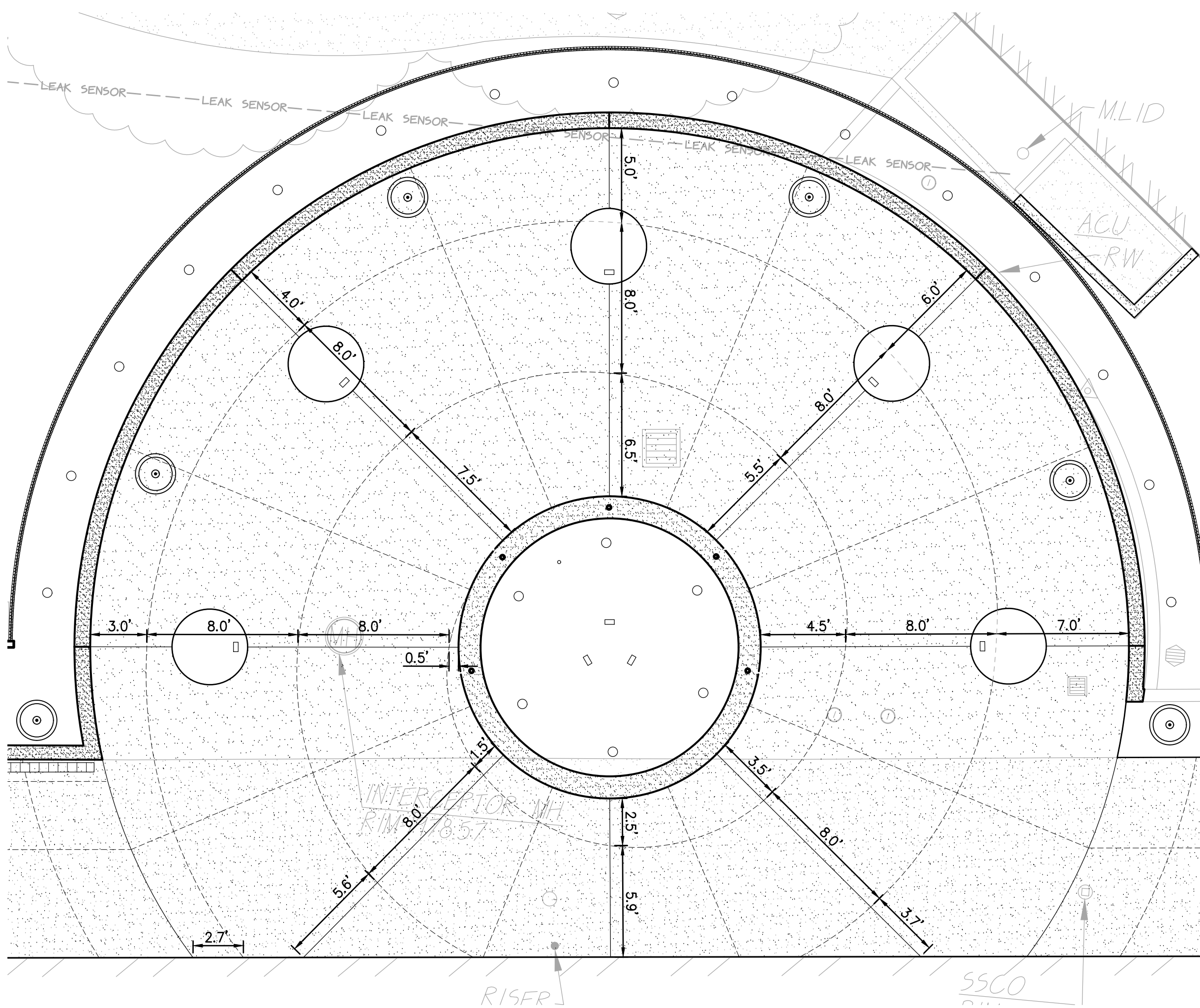
1 DEMOLITION PLAN

SCALE 1" = 10'-0"



2 DIMENSION PLAN

SCALE 1" = 10'-0"



3 SPIRAL JOINT LAYOUT

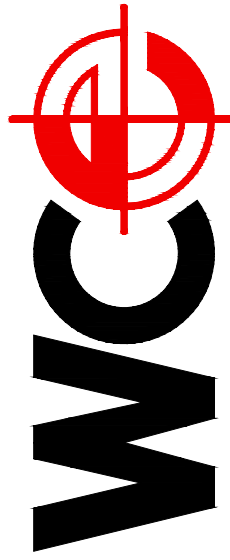
SCALE 1" = 5'-0"

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Revisions		
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Sheet Name

Demolition and  
Dimension Plan

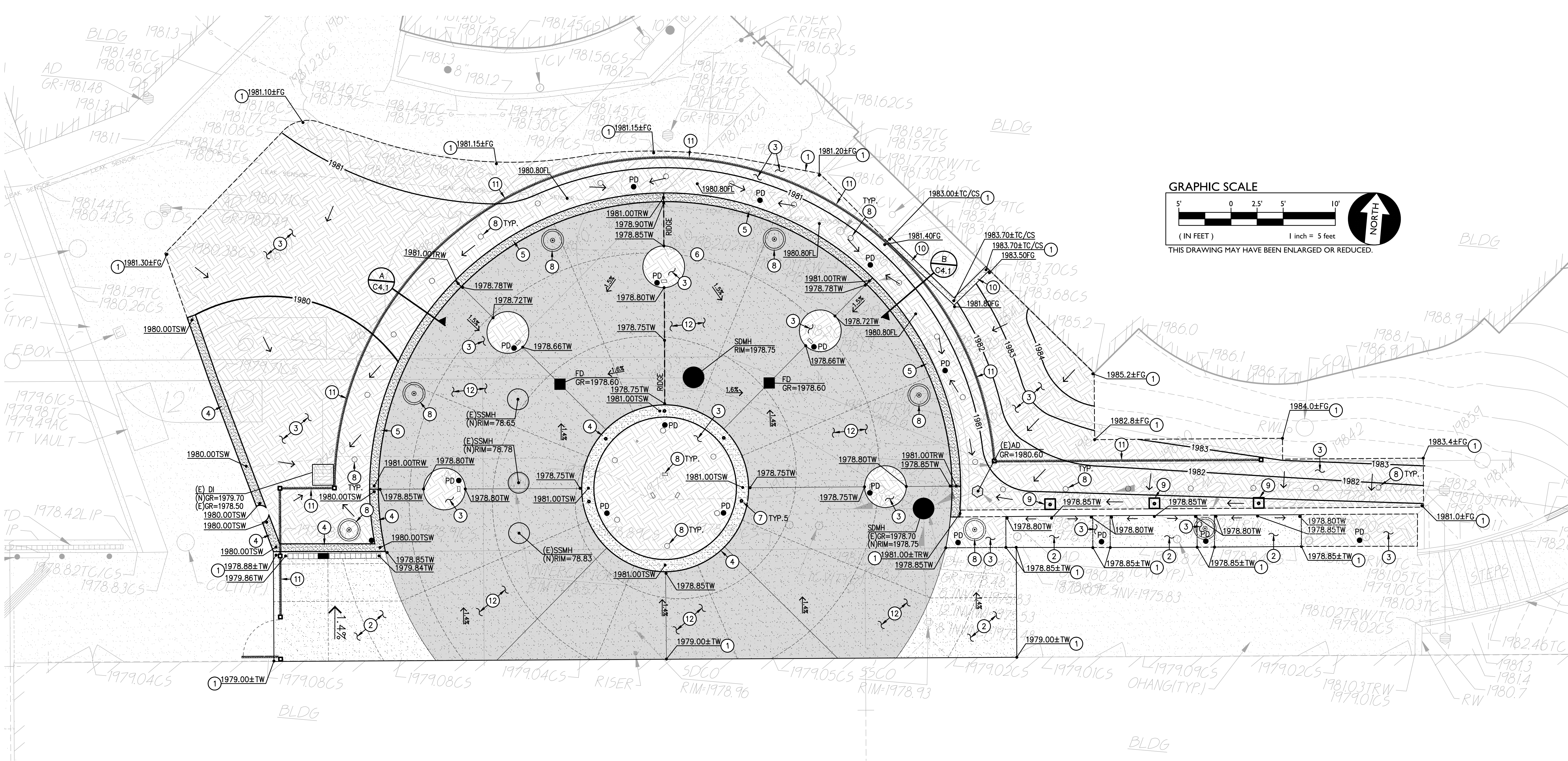
Sheet Number

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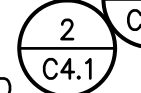
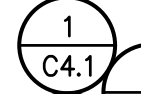
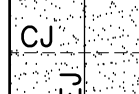
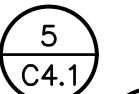

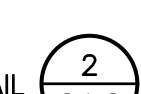
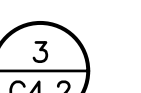
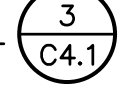


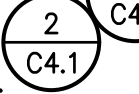
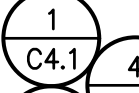
1 GRADING PLAN

SCALE 1" = 5'-0"

PAVING GENERAL NOTES:

1. ASPHALT MIX SHALL MEET CALTRANS SPECIFICATIONS FOR TYPE B ASPHALTIC CONCRETE. REFERENCE CALTRANS SPECIFICATION SECTION 39, AND PROJECT SPECIFICATIONS
2. AGGREGATE BASE SHALL MEET CALTRANS SPECIFICATIONS FOR CLASS II AGGREGATE BASE. REFERENCE CALTRANS SPECIFICATION SECTION 26. AND PROJECT SPECIFICATIONS
3. ALL AGGREGATE BASE SHALL BE MOISTURE CONDITIONED TO, OR SLIGHTLY ABOVE, OPTIMUM MOISTURE CONTENT AND COMPACTED TO 95% RELATIVE COMPACTION.
4. RECYCLED ASPHALT PAVING (RAP) MAY BE USED AS CLASS II BASE MATERIAL PROVIDED IT MEETS CALTRANS SPECIFICATIONS FOR CLASS II AB. REFERENCE CALTRANS SPECIFICATION SECTION 26-1.02A. SEE ALSO MATERIALS TESTING NOTE, THIS SHEET.
5. PAVEMENT SUBGRADE PREPARATION, I.E. SCARIFICATION, MOISTURE CONDITIONING, LIME TREATMENT (IF USED), AND COMPACTION SHALL BE PERFORMED AFTER THE INSTALLATION OF UNDERGROUND UTILITIES AND TRENCHES BACKFILLED IN ACCORDANCE WITH THESE PLANS.
6. ALL AREAS DISTURBED BY GRADING, DEMOLITION, OR CONSTRUCTION ACCESS, WHICH ARE NOT SURFACED OR REPAIRED BY THIS SET OF PLANS, OR LANDSCAPE PLANS, SHALL BE SEEDDED WITH EROSION CONTROL TYPE NON-WATERED SEED MIX. REFER TO EROSION CONTROL SPECIFICATIONS FOR ACCEPTABLE SEED MIXES.

LEGEND # GRADING CONSTRUCTION NOTES

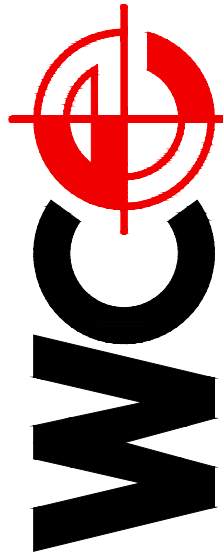
1. MATCH EXISTING GRADE/ELEVATION. WHEN MATCHING NEW SLABS TO EXISTING, DOWEL SLABS PER THE DETAIL PROVIDED AT 24" O.C. 
2. PLACE 5" PCC OVER 4" CLASS II AB OVER EXCAVATED, SCARIFIED AND COMPACTED NATIVE SUBGRADE. PLACE #4 REBAR AT 24" O.C.E.W. OR AS STATED IN THE PROJECT SPECIFICATIONS, WHICHEVER IS GREATER. ENGINEERED FILLS AND SUBGRADE SHALL BE PLACED AND COMPACTED PER SPECIFICATION SECTION 31.00.00. CONCRETE PER SECTION 32.13.13. REFER ALSO TO DETAILS PROVIDED. 
3. PLACE 10" MIN. NATIVE OR IMPORTED TOPSOIL AND PROVIDE NEW LANDSCAPING IN ACCORDANCE WITH LANDSCAPE PLANS. IN AREAS WITH NO LANDSCAPING, PATCH BACK TO MATCH EXISTING. REPAIR OR REPLACE IRRIGATION HEADS AND VALVES AS NEEDED. PROVIDE 3" LAYER NEW MULCH OVER 85% COMPACTED GRADE. 
4. CONSTRUCT CONCRETE SEATWALL PER THE DETAIL PROVIDED. 
5. CONSTRUCT CONCRETE RETAINING WALL. REFER TO DETAIL PROVIDED. 
6. MATCH NEW RETAINING WALL TO EXISTING RETAINING WALL.REFER TO STRUCTURAL PLANS FOR CONNECTION DETAILS.
7. CONSTRUCT PIPE SLEEVE IN SEATWALL FOR UMBRELLA PER THE DETAIL PROVIDED. 
8. NEW LANDSCAPE/PATH LIGHTING, SEE ELECTRICAL AND ARCH. PLANS.
9. CONSTRUCT CONSTRUCT CONCRETE FOOTING WITH PIPE SLEEVE FOR UMBRELLA PER THE DETAIL PROVIDED. 
10. CONSTRUCT CONCRETE CURB AT EDGE OF HVAC SLAB PER THE DETAIL PROVIDED. 
11. NEW SHEET C2.3 FOR NEW FENCING.
12. PLACE 5" PCC OVER 4" CLASS II AB OVER EXCAVATED, SCARIFIED AND COMPACTED NATIVE SUBGRADE. PLACE #4 REBAR AT 24" O.C.E.W. OR AS STATED IN THE PROJECT SPECIFICATIONS, WHICHEVER IS GREATER. ENGINEERED FILLS AND SUBGRADE SHALL BE PLACED AND COMPACTED PER SPECIFICATION SECTION 31.00.00. CONCRETE PER SECTION 32.13.13. REFER ALSO TO DETAILS PROVIDED. CONCRETE SURFACE TO BE STAINED. REFER TO ARCH. PLANS FOR COLOR AND APPLICATION. 

Marshall Medical Center

Outdoor Dining

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Architect Info

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Revisions		
No.	Description	Date

City of Placerville Permit No.

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Issue Purpose	Schematic Design

Consultant Stamp	Architect Stamp
	

Sheet Name

Grading Plan

Sheet Number

C2.1

Permit Set



5' 0 2.5' 5' 10'

( IN FEET ) 1 inch = 5 feet

**NORTH**

THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

**1100 Marshall Way, Placerville, CA**

City of Placerville Permit No.Sheet Number

## C2.2

# Permit Set

SCALE 1" = 5'-0"

21. CONSTRUCT FLOOR DRAIN WITH ACCESSIBLE COVER PER THE DETAIL PROVIDED. (6)  
C4.1
22. PROVIDE AND INSTALL 3" STORM DRAIN, PVC SCH 40 DWV, ABS, OR DUAL WALL HDPE. SLOPE VARIES PER INVERTS SHOWN, BUT 0.020 MIN. (2.0%) (7)  
C4.1
23. PROVIDE AND INSTALL 4" STORM DRAIN, PVC SDR-35. SLOPE VARIES PER INVERTS SHOWN, BUT 0.020 MIN. (2.0%) U.O.N. (7)  
C4.1
24. PROVIDE AND INSTALL 6" STORM DRAIN, PVC SDR-35. SLOPE VARIES PER INVERTS SHOWN, BUT 0.015 MIN. (1.5%) U.O.N. (7)  
C4.1
25. CONNECT TO EXISTING STORM DRAIN. PROVIDE ALL COUPLERS OR FITTINGS AS NEEDED TO MAKE CONNECTION. POTHOLE TO VERIFY LOCATION AND DEPTH PRIOR TO TRENCHING. IF CONFLICT FOUND CONTACT ARCHITECT FOR DIRECTION.
26. CONSTRUCT TRENCH DRAIN WITH ACCESSIBLE COVER PER THE DETAIL PROVIDED. PROVIDE CATCH BASINS (TCB) WHERE NOTED. (8)  
C4.1
27. REMOVE EXISTING DRAIN INLET FRAME AND COVER AND PROVIDE NEW SLOID MANHOLE FRAME AND COVER PER THE DETAIL PROVIDED. (12)  
C4.1

51. CONNECT TO EXISTING IRRIGATION LINE, POTHOLE TO VERIFY LOCATION AND DEPTH. PROVIDE ALL FITTINGS, COUPLERS AND PIPE NECESSARY TO MAKE CONNECTION. IF CONFLICT FOUND, CONTACT ARCHITECT FOR DIRECTIONS.
52. PROVIDE AND INSTALL 1" PVC SCH 40 IRRIGATION LINE PER THE DETAIL PROVIDED. ALL IRRIGATION LINES BENEATH PAVING SHALL BE SLEEVED WITH 3" MIN SCH 40 PVC SLEEVE. SEAL PIPE TO SLEEVE AT ENDS. 

(5)  
C4.2
53. PROVIDE AND INSTALL 1" WATER VALVE AND VALVE BOX PER THE DETAIL PROVIDED. 

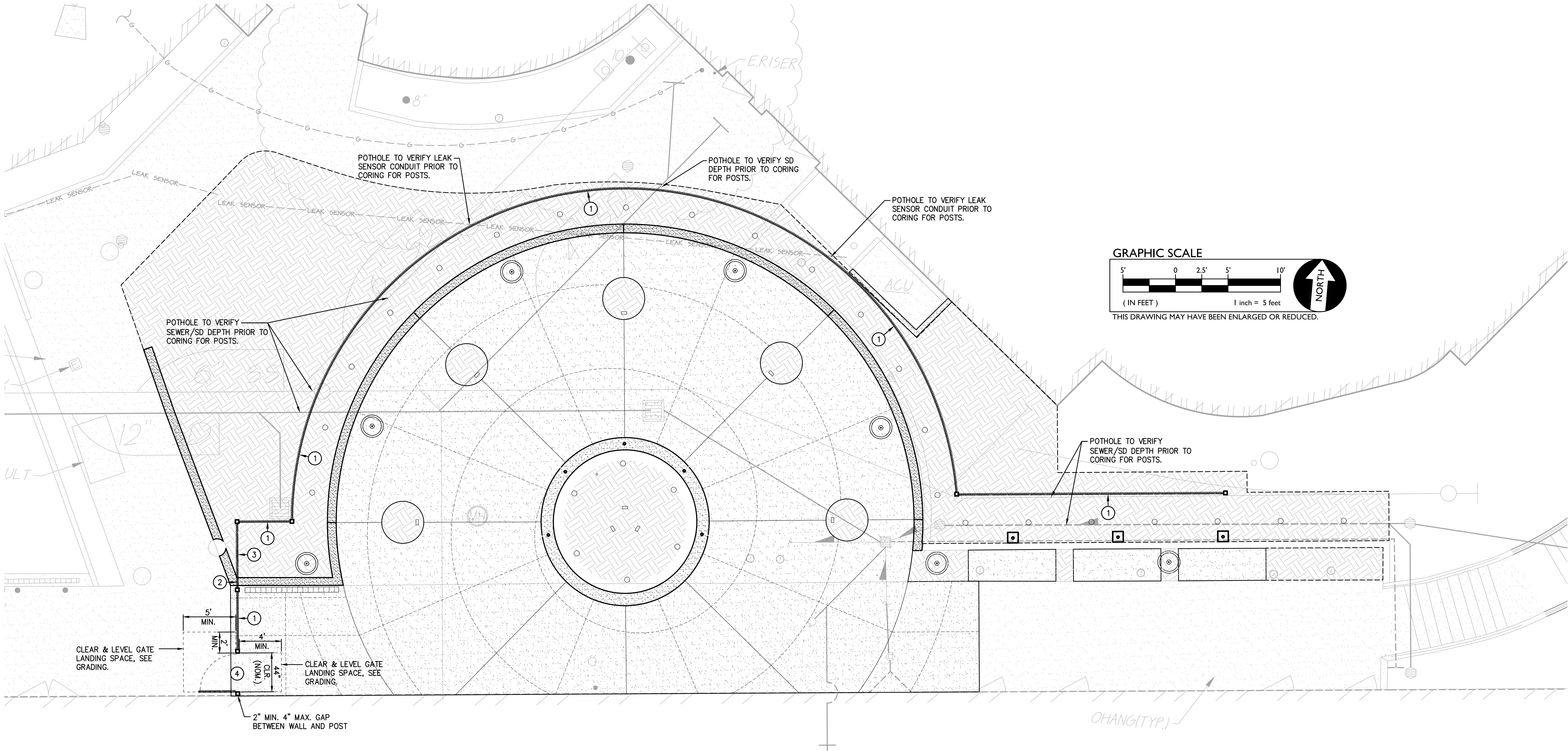
(4)  
C4.2
54. PROVIDE AND INSTALL HOSE BIB PER THE DETAIL PROVIDED. 

(6)  
C4.2
55. PROVIDE AND INSTALL 3" MIN SCH 40 PVC SLEEVE 

(5)  
C4.2

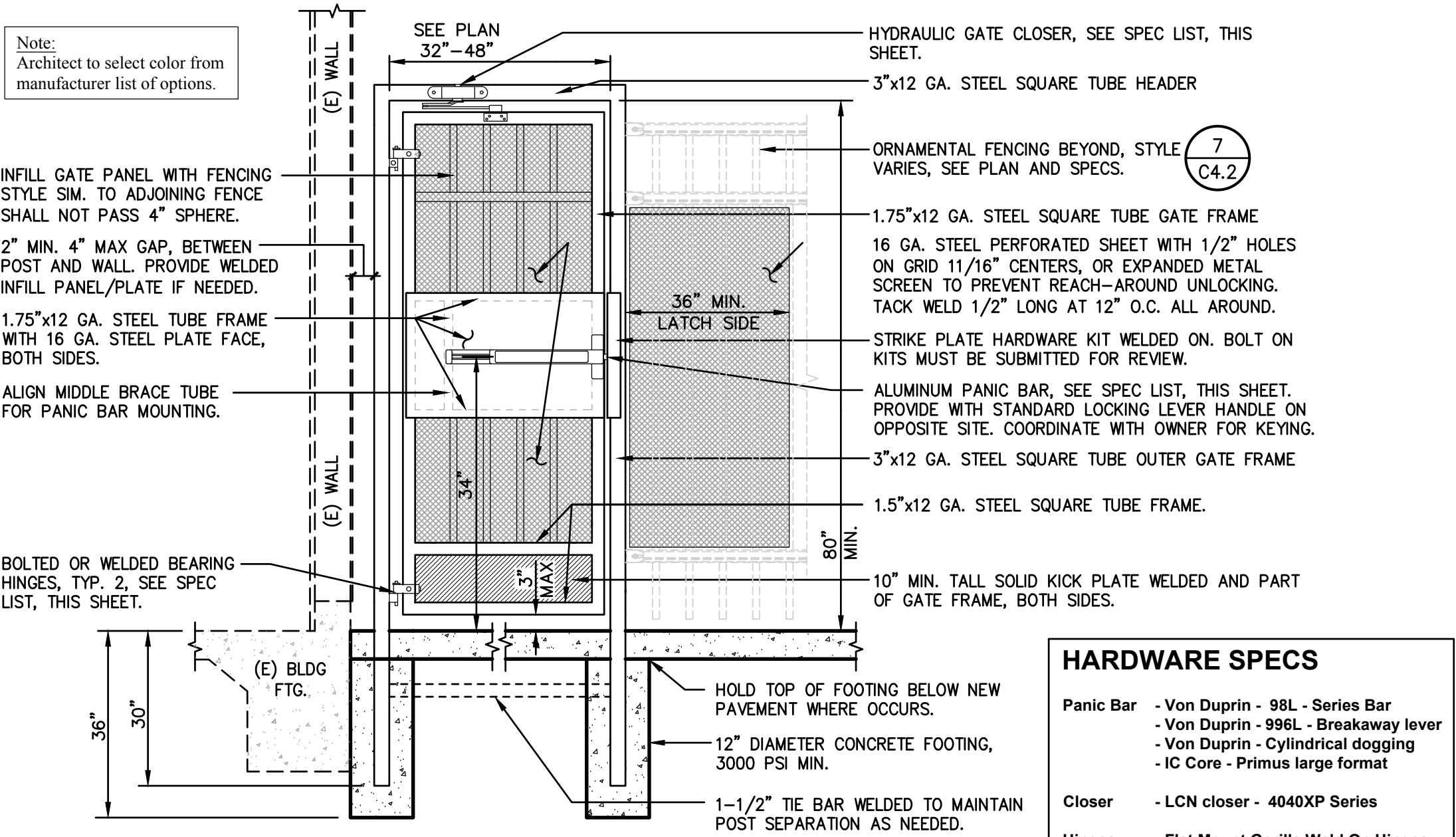


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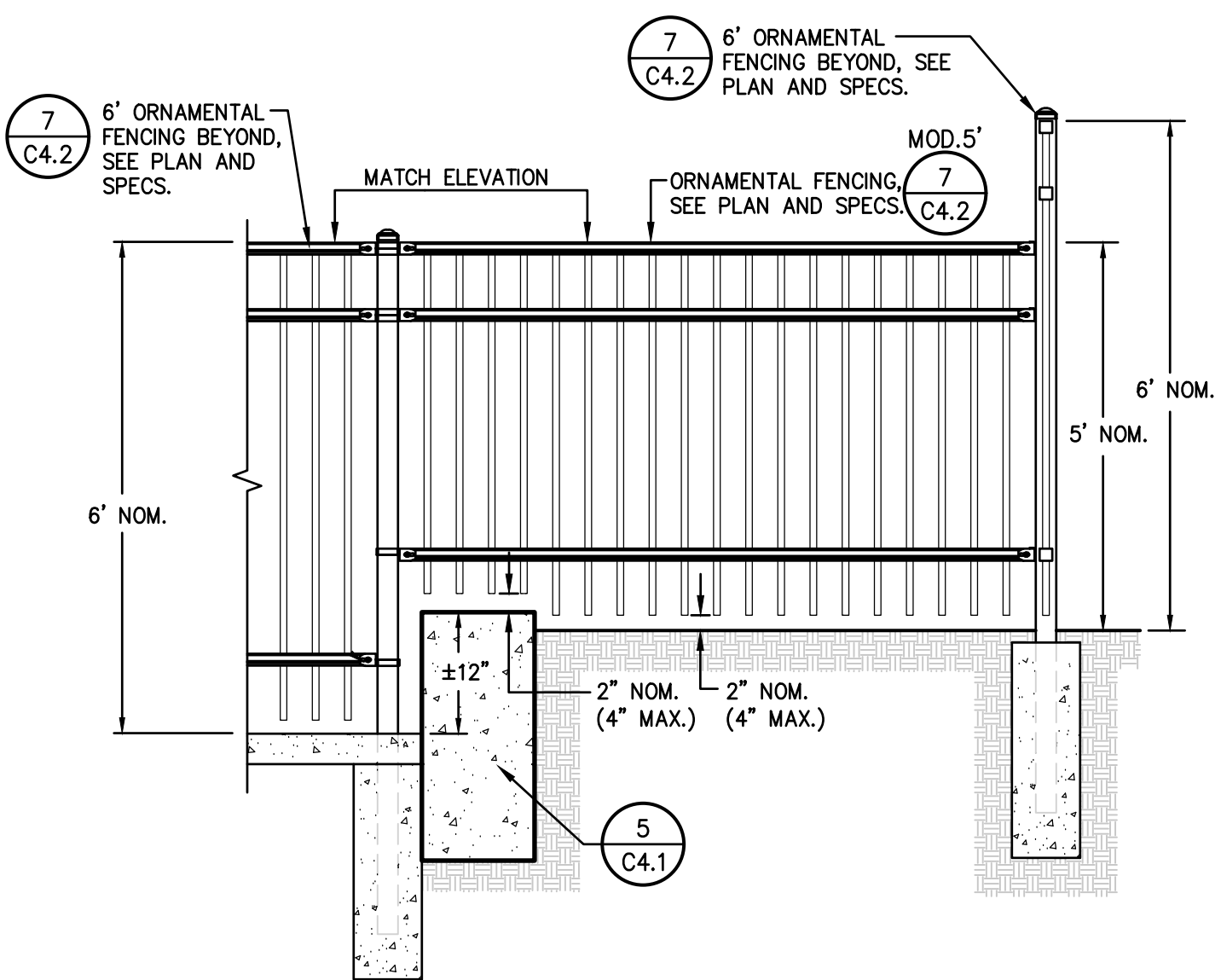
## 1 FENCING PLAN

SCALE 1" = 5'-0"



### HARDWARE SPECS

- Panic Bar**
- Von Duprin - 98L - Series Bar
  - Von Duprin - 986L - Breakaway lever
  - Von Duprin - Cylindrical dogging
  - IC Core - Primus large format
- Closer**
- LCN closer - 4040XP Series
- Hinges**
- Flat Mount Gorilla Weld On Hinges



## FENCING CONSTRUCTION NOTES

- PROVIDE AND INSTALL 6" TALL ORNAIMENTAL FENCING PER THE DETAIL PROVIDED AND SPECIFICATIONS SECTION **7 C4.2**
- JUMP LANDSCAPE WALL/SEATWALL WITH NEW FENCING PER THE DETAIL PROVIDED. **2 C2.3**
- PROVIDE AND INSTALL CUSTOM 5' TALL ORNAIMENTAL FENCING PER THE DETAIL PROVIDED AND SPECIFICATIONS SECTION MATCH TOP ELEVATION OF GATE SECTION OF FENCE UP TO ANGLE POINT IN FENCE SHOWN, THEN TRANSITION TO STANDARD 6" TALL FENCE. **7 C4.2**
- PROVIDE AND INSTALL SINGLE SWING GATE WITH ACCESSIBLE HARDWARE PER THE DETAIL PROVIDED AND SPECIFICATIONS SECTION **1 C2.3**

1 C2.3

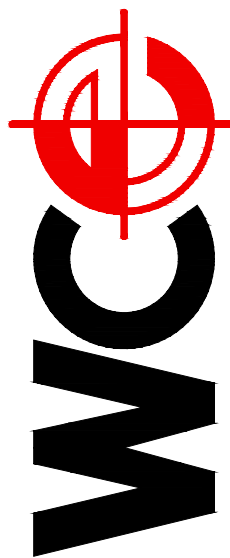
## SINGLE SWING ACCESSIBLE GATE

NO SCALE

2 C2.3

## FENCE JUMP AT SHORT WALL

NO SCALE



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Architect Info

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## Marshall Medical Center

## Outdoor Dining

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### Revisions

No.	Description	Date

City of Placerville Permit No.

Greenbough Design Project # 18022

Drawn By SMN

Checked By TF

Issue Date 3/5/2019

Issue Purpose Schematic Design

Consultant Stamp



Architect Stamp



Sheet Name

## Fencing Plan

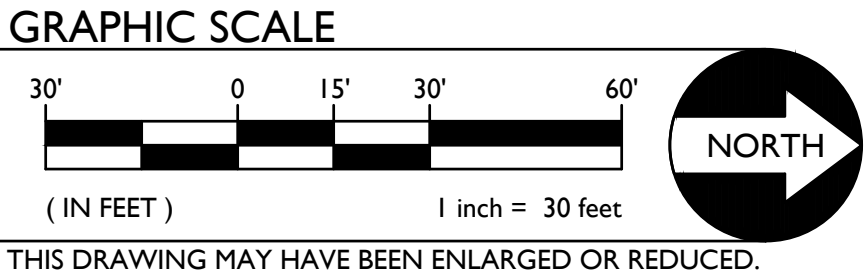
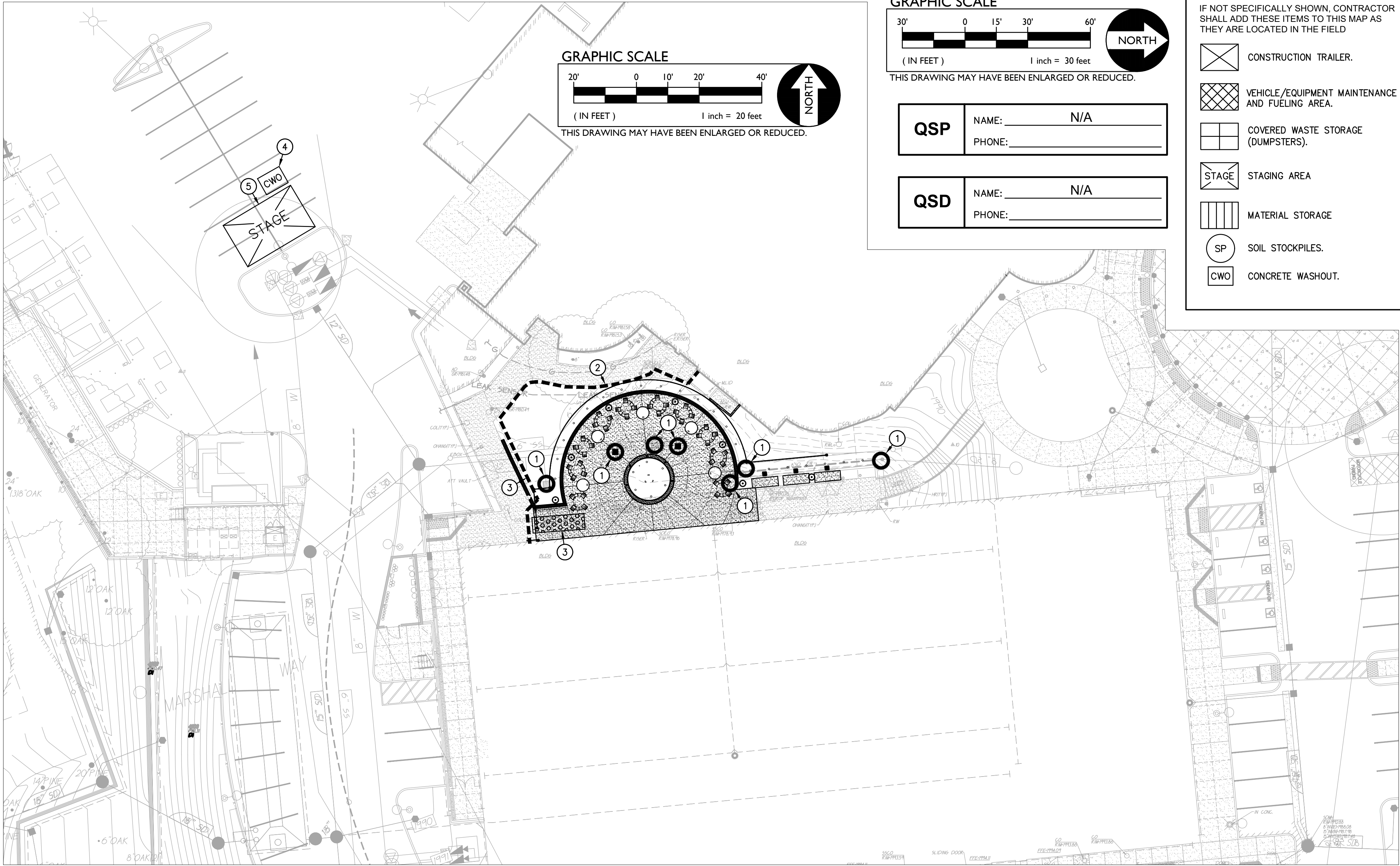
Sheet Number

C2.3

Permit Set



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**QSP** NAME: N/A

PHONE:

**QSD** NAME: N/A

PHONE:

- IF NOT SPECIFICALLY SHOWN, CONTRACTOR SHALL ADD THESE ITEMS TO THIS MAP AS THEY ARE LOCATED IN THE FIELD
- CONSTRUCTION TRAILER.
  - VEHICLE/EQUIPMENT MAINTENANCE AND FUELING AREA.
  - COVERED WASTE STORAGE (DUMPSTERS).
  - STAGING AREA
  - MATERIAL STORAGE
  - SOIL STOCKPILES.
  - CONCRETE WASHOUT.

- LEGEND**
- NEW EX
1. CONTRACTOR SHALL PROVIDE STRAW WATTLE BARRIER AT ALL INLETS (NEW AND/OR EXIST.) IN AREAS OF WORK, OR AS REQUIRED BY CONTRACTOR'S SWPPP. FOR INLETS WITHIN PROPOSED PAVED AREAS, USE STRAW WATTLE FILTERS UNTIL JUST PRIOR TO PAVING OPERATIONS, THEN REPLACE WITH FILTER BAGS PER THE DETAILS PROVIDED. FILTER BAGS ARE NOT ALLOWED IN UNPAVED AREAS.
2. CONTRACTOR SHALL PROVIDE STRAW WATTLES AT PERIMETER OF SITE AND IN AREAS REQUIRED TO ELIMINATE OR IMPEAD THE FLOW OF SEDIMENT. IN PAVED AREAS, WATTLES CAN BE PLACED OVER PAVING AND HELD IN PLACE WITH SANDBAGS AT 6' O.C.
3. CONTRACTOR SHALL PROVIDE STABILIZED CONSTRUCTION SITE ACCESS PER DETAIL AT LOCATIONS REQUIRED FOR CONSTRUCTION ACTIVITIES.
4. CONTRACTOR SHALL CONSTRUCT AND UTILIZE A CONCRETE WASH-OUT IN ACCORDANCE WITH WM-8 OF THE CALIFORNIA STORMWATER QUALITY ASSOCIATION BMP HANDBOOK.
5. CONTRACTOR SHALL CONSTRUCT AND UTILIZE A STAGING AREA IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS IN SECTION 4 OF THE CALIFORNIA STORMWATER QUALITY ASSOCIATION BMP HANDBOOK. SIZE AS NEEDED. AFTER CONSTRUCTION COMPLETE, RETURN AREA TO NATURAL CONDITION. HYDROSEED IF NECESSARY COVER ANY UN-SURFACED AREAS.

PROJECT INFORMATION	
PROJECT NAME:	MARSHALL MEDICAL CENTER OUTDOOR DINING
SWPPP REQUIRED:	NO (>1 ACRE)
WDID NO.	N/A
RISK LEVEL:	N/A
WAIVER POSSIBLE	N/A
PARCEL AREA	16.13 ACRES
ON-SITE DISTURBED AREA	0.08 ACRES
OFF-SITE DISTURBED AREA	0.00 ACRES
TOTAL DISTURBED AREA	0.08 ACRES
NEW OR REPLACED IMPERVIOUS AREA	2,341 SF.

CONSTRUCTION SCHEDULE (ESTIMATED)		
ACTIVITY	BEGIN	END
GRADING/UTILITIES	MAY 2019	JULY 2019
PAVING/LANDSCAPING	JULY 2019	AUGUST 2019

**THIS IS NOT A S.W.P.P.P.**

THE PURPOSE OF THIS PLAN IS TO AID THE CONTRACTOR IN THE DEVELOPMENT OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP). WARREN CONSULTING ENGINEERS, INC. ASSUMES NO RESPONSIBILITY FOR THE PREPARATION, IMPLEMENTATION, OR MAINTENANCE OF THE SWPPP. SHOULD A SWPPP NOT BE REQUIRED FOR THIS PROJECT, IT IS STILL THE RESPONSIBILITY OF THE CONTRACTOR TO IMPLEMENT THE APPLICABLE STORMWATER QUALITY BMP'S IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS. THE BMP'S AS SHOWN ON THIS PLAN ARE NOT "REQUIRED" HOWEVER THEY ARE RECOMMENDED TO COMPLY WITH STORMWATER QUALITY ORDINANCES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IMPLEMENT HIS/HER OWN METHODS AND PRODUCTS TO COMPLY WITH THESE ORDINANCES.

**ON/OFF HAUL GENERAL NOTE**

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ANY AND ALL PERMITS, GRADING, EROSION, OR OTHER, NECESSARY FOR THE SITE IN WHICH SOIL IS ON-HAULED FROM, OR OFF-HAULED TO. LARGE QUANTITIES OF SOIL BEING HAULED MAY BE SUBJECT TO HAUL ROUTE APPROVAL AND SHALL BE DISCUSSED WITH SITE INSPECTOR. IF HAUL ROUTE APPROVAL IS REQUIRED, IT IS THE CONTRACTORS RESPONSIBILITY TO DEVELOP THIS PLAN AND GAIN APPROVAL.

**SWPPP GENERAL NOTES & REQUIREMENTS**

- ANY CHANGES MADE TO THIS PLAN IN THE FIELD MUST BE SHOWN ON THIS MAP. UPDATE MAP TO REFLECT CHANGES.
- MAINTENANCE/REPAIRS OF BMP FAILURE SHALL BEGIN WITHIN 72 HOURS OF IDENTIFICATION AND CHANGES SHALL BE COMPLETED PRIOR TO THE NEXT RAIN EVENT.
- SEDIMENT AND EROSION CONTROL MEASURES ON THIS PLAN ARE MINIMUM BMP'S RECOMMENDED FOR COMPLIANCE. CONSTRUCTION SITE MUST BE MONITORED AND BMP'S SHALL BE MODIFIED DEPENDING ON CONSTRUCTION SCHEDULE AND RAIN EVENTS.

**SEE COUNTY GENERAL NOTES ON SHEET C3.2**

**1 EROSION CONTROL PLAN**

SCALE 1" = 20'-0"

SITE CONDITION	DUST CONTROL PRACTICES								
	PERMANENT VEGETATION	MULCHING	WET SUPPRESSION (WATERING)	CHEMICAL DUST SUPPRESSION	GRAVEL OR ASPHALT	SILT FENCES	TEMPORARY GRAVEL CONSTRUCTION ENTRANCES AND EQUIPMENT WASHDOWN	HAUL TRUCK COVERS	MINIMIZE EXTENT OF DISTURBED AREA
DISTURBED AREAS (NON-TRAFFIC)	X	X	X	X	X	X	X	X	X
DISTURBED AREAS (TRAFFIC)		X	X	X	X	X	X	X	X
MATERIAL STOCKPILE AND STABILIZATION	X	X	X	X	X	X	X	X	X
DEMOLITION			X	X			X	X	X
CLEARING AND EXCAVATING	X	X	X	X	X	X	X	X	X
TRUCK TRAFFIC ON UN-PAVED ROADS			X	X	X		X	X	X
MUD AND DIRT CARRY-OUT	X	X	X	X	X	X	X	X	X

PHASE OF CONSTRUCTION	EROSION AND SEDIMENT CONTROL MEASURES														
	WET SEASON					WET & DRY SEASON									
	HYDRO-SEEDING	STRAW MULCHING TACTIFIER	SOIL BINDERS	PRESERVATION OF EXISTING VEGETATION	BLANKETS MATS & GEOTEXTILES	FIBER ROLLS	DUST CONTROL	OUTLET PROTECTION	SILT FENCING	SAND/GRAVEL BAG BARRIERS	STORM DRAIN INLET PROTECTION	SEDIMENT BASIN	SEDIMENT TRAP	DEWATERING	STABILIZED CONSTRUCTION ENTRANCE
PRE-GRADING				X			X								
CUT-FILL ACTIVITIES		X	X	X	X	X	X	X	X	X	X		X	X	X
UNDERGROUND WORK		X	X	X	X	X	X	X	X	X	X		X	X	X
STORM IMPROVEMENTS		X	X	X	X	X	X	X	X	X	X		X	X	X
CURB AND GUTTER		X	X	X	X	X	X	X	X	X	X		X	X	X
STREET IMPROVEMENTS		X	X	X	X	X	X	X	X	X	X		X	X	X
PAVE OUT	X			X	X		X	X		X	X			X	X
POST CONSTRUCTION	X	X	X	X											

Consultant Info

**WC**

WARREN CONSULTING ENGINEERS, INC.  
1117 WINDFIELD WAY, SUITE 110  
EL DORADO HILLS, CA 95762 (916) 965-1870

Architect Info

**Greenbough Design**

1100 Marshall Way, Placerville, CA 95667

**Marshall Medical Center**

**Outdoor Dining**

**1100 Marshall Way, Placerville, CA 95667**

Revisions		
No.	Description	Date

City of Placerville Permit No.

Greenbough Design Project #	18022
Drawn By	SMN
Checked By	TF
Issue Date	3/5/2019
Issue Purpose	Schematic Design

Consultant Stamp

REGISTERED PROFESSIONAL ENGINEER  
ANTHONY J. TASSANO  
No. C74690  
Exp. 3/31/21  
STATE OF CALIFORNIA

Architect Stamp

REGISTERED ARCHITECT  
MICHAEL F. RYAN  
No. C-28392  
Exp. 3/31/21  
STATE OF CALIFORNIA

Sheet Name

**Erosion Control Plan**

Sheet Number

**C3.1**

Permit Set



FILENAME: \\19-047\CIVIL\DWG\19-047-C3.1.DWG PLOTTED: Wednesday, April 01, 2020

COMBINED  
EL DORADO COUNTY RESOURCE CONSERVATION DISTRICT  
AND  
EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION  
EROSION CONTROL REQUIREMENTS AND SPECIFICATIONS  
July 2006

I. MINIMUM CONSTRUCTION SITE STORM WATER MANAGEMENT PRACTICES

The storm water management practices described below are the minimum, required water quality protection measures applicable to all construction sites, within Western El Dorado County. This listing does not include the various inspection, record keeping, training and reporting requirements. Additionally, there will be instances where project and site conditions require supplementing or deviating from these minimum protection requirements. The contractor is expected to deploy measures sufficient to achieve compliance with the County's Grading Ordinance; and, as applicable (projects which involve one acre or more of disturbed soil or are part of a larger common plan of development that encompasses one acre or more of disturbed soil), with the State Water Resources Control Board's (SWRCB) NPDES General Permit for Storm Water Discharges Associated with Construction Activity.

A.SCHEDULING

Construction shall be scheduled to minimize construction activities in "high-risk areas" and the amount of active disturbed soil areas, during the rainy season (Oct. 15th to May 1st), "High-risk areas" include those areas within 50 feet of USGS watercourses, 100-year flood plains, regulated wetlands, and where slopes exceed 16%. Unless specifically authorized by the County's on-site representative, during the rainy season the contractor shall not schedule construction activities in "high risk areas" or schedule to have more than 5 acres of active disturbed soil area. Where permanent storm water treatment devices are to be constructed, these devices should, whenever feasible, be constructed as an early work item.

B.PRESERVATION OF NATURAL FEATURES

Prior to the commencement of soil-disturbing activities, areas of existing vegetation that are to remain and environmentally sensitive areas (i.e. wetlands, protected habitats, etc) shall be fenced for protection. In general, site designs shall preserve existing vegetation to the maximum extent possible; and during construction, existing vegetation shall be preserved (and protected by fencing) for as long as possible to minimize erosion.

C. STORM WATER RUN-ON AND CONCENTRATED FLOWS

Existing watercourses shall be protected; and if diverted, handled in a non-eroding fashion. To the extent feasible, all concentrated water flows shall be channeled away from disturbed soil areas / stockpiles. Concentrated water flows shall be conveyed in a non-eroding fashion.

D.STOCKPILE MANAGEMENT

Stockpiles shall be managed as follows:

1. Soil stockpiles

Rainy season:

Covered, or protected with soil stabilization measures & perimeter sediment barriers

Non-rainy season:

Covered or protected with perimeter sediment barriers

2. Concrete/asphalt rubble, rock and aggregate base:

Covered or protected with perimeter sediment barriers.

3. Cold mix" asphalt

Covered

E. SEDIMENT TRACKING CONTROL

Appropriate measures shall be deployed to minimize any tracking of sediment off- site by vehicles and/or equipment. These measures include stabilized construction entrances/exits & roadways, and tire washing. Where tracking occurs, streets shall be swept using a pickup sweeper with water supply.

F. NON-STORM WATER MANAGEMENT

Non-storm water discharges shall be minimized to the extent feasible. Sediment- laden non-storm water is required to be filtered (or equivalent treatment) prior to discharging. Measures required to manage non-storm water discharges include: water conservation practices, dust control, material storage practices, vehicle/equipment operation and maintenance requirements, waste management practices, and spill prevention/control measures.

G.DISTURBED SOIL AREA MANAGEMENT

Disturbed soil areas (DSA) shall be protected with an "effective combination" of measures including soil stabilization, sediment barriers and basins / traps. There may be situations where "Sediment Basins" or "Treatment" are able to substitute as alternative control measures to the normally required "effective combination" of soil stabilization, sediment barriers and basins / traps. However, when substituting these measures, the contractor must be prepared to demonstrate that the sediment load within storm water discharges from the construction site does not exceed natural or preconstruction levels.

1. Soil stabilization measures include:

Hydraulic mulch (ref. CASQA BMP # EC-3)

Hydroseeding (ref. CASQA BMP # EC-4)

Suitably stabilized, non-polluting straw / wood / organic mulch (ref. CASQA BMP #'s EC-6 & EC-8)

Geotextiles, mats, plastic covers and erosion control blankets (ref. CASQA BMP # EC-7)

Stabilized construction roadways (ref. CASQA BMP # TC-2)

2. Sediment barriers include:

Silt fences (ref. CASQA BMP # SE-1)

Sand/gravel bag barriers (ref. CASQA BMP #'s SE-6 & SE-8)

Straw bale barriers (ref. CASQA BMP # SE-9)

Fiber rolls (ref. CASQA BMP # SE-5)

3. Basin / traps include:

Desilting basins (ref. Caltrans BMP5)

Sediment traps (ref. Caltrans BMP5)

4. On DSAs with slope lengths greater than 10 feet, the following measures shall be deployed:

Rainy season (Oct. 1 5th to May 1st):

Non-active areas (no soil disturbing activities for 21 or more days)

On slopes equal to or flatter than 1:20 (V/H), soil stabilization

On slopes steeper than 1:20 (V/H), soil stabilization and sediment barriers

Active areas:

On slopes steeper than 1:20 (V/H), sediment barriers

On slopes steeper than 1:2 (V/H) with slope lengths greater than 50 feet: soil stabilization; sediment barriers; and where feasible, basins / traps

Non-rainy season:

Non-active areas (no soil disturbing activities for 21 or more days)

On slopes steeper than 1:2 (V/H), sediment barriers

5. General:

Protection shall be deployed on non-active DSAs within 14 days from the cessation of soil-disturbing activities or any day prior to the predicted (40% or more chance) onset of significant precipitation, whichever occurs first. Protection shall be deployed on active DSAs prior to the predicted (40% or more chance) onset of significant precipitation.

"Terraces." For cut slopes up to 60 feet in height, terraces at least 8 feet (2.4 meters) in width shall be established at not more than 30-foot (9.1 meters) vertical intervals on all cut slopes to control surface drainage and debris except that where only one terrace is required, it shall be at midheight. For cut slopes greater than 60 feet (18 meters) and up to 120 feet (37 meters) in vertical height, one additional terrace at approximately midheight shall be 12 feet (3.6 meters) in width. Terraces shall slope a minimum of 5 percent gradient toward the hillside. Terrace widths and spacing for cut slopes greater than 120 feet (36 meters) in height shall be designed by the Civil Engineer and approved by the Director. Suitable access shall be provided to permit proper cleaning and maintenance.

"Sediment Basin." A basin with a capacity equivalent to at least 3600 cubic feet of storage (as measured from the bottom of the basin to the principal outlet) per acre draining into the basin. The length of the basin shall be more than twice the basin's width (length is determined by measuring the distance between the inlet and the outlet). The depth of the basin must not be less than three feet nor greater than five feet.

"Treatment": A combination of basin and treatment engineered to capture and treat (to remove 0.01 mm sized particles and larger) the 10-year, 6-hour rain event using Q=CIA where C=0.5 and I ranges from 0.286 (El Dorado Hills) to 0.500 (Sly Park).

General reference:

El Dorado County "Storm Water Management Plan", October 2004. Available online at: [http://www.co.el-dorado.ca.us/emd/solidwaste/storm\\_html](http://www.co.el-dorado.ca.us/emd/solidwaste/storm_html)

Detailed references:

California Storm water Quality Association (CASQA) "Construction Handbook," January 2003, Errata September 2004. Available online at: <http://www.cabmphandbooks.com/>

Caltrans "Statewide Storm Water Quality Practice Guidelines," April 2003. Available online at: <http://www.dot.ca.gov/hp/env/stormwater/special/newsetup/index.htm>

High Sierra Resource Conservation and Development Council "Vegetation Establishment Guidelines for the Sierra Nevada Foothills and Mountains," 2005. Available online at: <http://www.co.eldorado.ca.us/emd/solidwaste/StormWater/HSRCD%20Vegetation%20Guidelines%20Final%202005.pdf>

I. CRITICAL AREA PLANTING SPECIFICATIONS (January 2006)

A.SCOPE

Establishing vegetation on severely eroding areas or areas with an erosion potential. Its purpose is to stabilize the soil, minimize or prevent damage from sediment and runoff to downstream areas, protect wildlife habitat, and maintain aesthetic qualities.

B.AREAS TO BE SEEDED, TIMING OF SEEDING

Complete revegetation and stabilization of all disturbed soils, both within and outside county rights-of-way, will be accomplished with specified amounts and types of vegetative species, mulch and fertilizer material. See Major Land Resource Area exhibits MLRA 18 OR 22.

All erosion and sediment control practices performed after October 15, shall follow "Rainy Season" specification contained in the Storm Water Management Practices.

C. MATERIAL

1. Seed

All seed shall be delivered to the site tagged and labeled in accordance with the California Agricultural Code and shall be acceptable to the County Agricultural Commissioner.

Seed shall be of a quality which has a minimum pure live seed content of 80% (% purity x % germination) and weed seed shall not exceed 0.5% of the aggregate of pure live seed and other materials. Legume seed shall be inoculated with inoculate specific to its needs within two hours prior to seeding. Inoculants shall not be used later than the date indicated on the container or as otherwise specified. All inoculated seed shall be labeled to show weight of seed, date of inoculation, and the weight and source of inoculant materials.

2. Fertilizer

A commercial fertilizer shall be Ammonium Phosphate and contain a minimum of 16% nitrogen, 20% phosphorus and 0% potash, uniform in composition, dry and free flowing, pelleted or granular.

All fertilizer shall be delivered in unbroken or unopened containers, labeled in accordance with applicable state regulations and bearing the warranty of the producer for the grade furnished.

3. Mulch

Mulch shall be one of the following materials as approved by the government representative.

3A Straw -- Straw shall be new straw derived from rice, wheat, oats, or barley and be free of mold and noxious weed seed. Straw shall be furnished in air dry bales. Evidence shall be furnished that clearance has been obtained from the County Agricultural Commissioner, as required by law, before straw obtained from outside the county in which it is to be used is delivered to the site of the work.

3B Wood Fiber Mulch -- Wood fiber mulch is a wood cellulose fiber that contains no germinating or growth inhibiting factors. It is colored with a non-toxic, water soluble, green dye to provide a proper gauge for metering over ground surfaces. It has the property to be evenly dispersed and suspended when agitated in water.

D.SEEDING REQUIREMENTS

1. General

All seeding, fertilizer and mulching operations shall begin when approval is given by the appropriate County Engineer or Conservation District representative.

2. Seedbed Preparation

The entire area to be seeded shall be reasonably smooth and conform to the desired shape before actual seedbed preparation is begun. Any debris which would interfere with seeding operations, growth or maintenance of the vegetative cover will be removed. The area to be seeded shall have a firm seedbed which has previously been roughened by scarifying, disking, harrowing, chiseling, or otherwise worked to a depth of two to four inches (2" - 4"). No implement shall be used that will create an excessive amount of downward movement of soil or clods of sloping areas. Seedbed may be prepared at time of completion of earth-moving work.

3. Fertilizing

Fertilizer shall be distributed uniformly over the seedbed at the rate of 300 pounds per acre, and shall be in such physical condition to insure uniform application over the area to be fertilized. Fertilizer may be applied in any way that will result in uniform distribution. The fertilizer shall be incorporated into the soil.

4. Seeding

Seed shall be broadcast by hand, mechanical hand seeder, power operated seeder, hydroseeder or other approved equipment. Seed shall have a soil cover of not more than one-half inch. Seeding will be carried out using either of the following methods:

Method 1 - The seed may be drilled, not to exceed one-half (1/2) inch deep and cultipacked or rolled once over with a corrugated roller on all areas where equipment can be operated safely. Seed operations will be across the slope.

Method 2 - The seed may be applied in a slurry mix of wood cellulose fiber distributed uniformly at the prescribed rate (see item E.2, Wood Cellulose Fiber -Hydro-mulching, below). The application unit used for "Hydro Mulch" shall be equipped with an agitator to maintain the seed and mulch in suspension within the unit's tank prior to and during application.

Method 3 - Where emergency treatment of exposed soils extends beyond October 15, emergency mulching without seed will be prescribed in accordance with "Soil stabilization measures" described previously.

Special Note: A minimum 70% seed germination with at least 1" growth must be obtained by December 1st, or area must be covered with straw mulch.

MLRA 18  
(elevations below Placerville)

PERIOD	METHOD	TYPE OF SEED	AMOUNT PER ACRE	AMOUNT PER 1000 S.F.	TYPE MULCH
15 Sep - 15 Oct	Hydroseed	Blando Brome AND EITHER Wimmera '62' OR Annual Ryegrass	12 lbs/ac 9 lbs/ac	0.3 lbs 0.2 lbs	Straw or Wood fiber
15 Sep - 15 Oct	Broadcasted	Blando Brome AND Rose Clover	12 lbs/ac 9 lbs/ac	0.3 lbs 0.2 lbs	Straw or Wood fiber
16 Oct - 14 Sep	Hydroseed	Blando Brome AND EITHER Wimmera '62' OR Annual Ryegrass	24 lbs/ac 18 lbs/ac	0.6 lbs 0.4 lbs	Straw or Wood fiber
16 Oct - 14 Sep	Broadcasted	Blando Brome AND Rose Clover	24 lbs/ac 18 lbs/ac	0.6 lbs 0.4 lbs	Straw or Wood fiber

A mulch coving shall be applied over the surface of the seeded area. Mulching shall follow immediately after seeding unless otherwise directed. Mulch will be of the material indicated.

MLRA 22  
(elevations above Placerville)

PERIOD	METHOD	TYPE OF SEED	AMOUNT PER ACRE	AMOUNT PER 1000 S.F.	TYPE MULCH
15 Sep - 15 Oct	Hydroseed or Broadcasted	Potomac Orchardgrass OR Luna Pubescent Wheatgrass OR Topar Pubescent Wheatgrass AND Wimmera '62' Ryegrass	24 lbs/ac 36 lbs/ac 36 lbs/ac 6 lbs/ac	0.55 lbs 0.8 lbs 0.8 lbs 0.15 lbs	Straw Only
16 Oct - 14 Sep	Hydroseed or Broadcasted	Potomac Orchardgrass OR Luna Pubescent Wheatgrass OR Topar Pubescent Wheatgrass AND Wimmera '62' Ryegrass	48 lbs/ac 72 lbs/ac 72 lbs/ac 12 lbs/ac	1.1 lbs 1.6 lbs 1.6 lbs 0.3 lbs	Straw Only

A mulch coving shall be applied over the surface of the seeded area. Mulching shall follow immediately after seeding unless otherwise directed. Mulch will be of the material indicated.

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Method 2 - The seed may be applied in a slurry mix of wood cellulose fiber distributed uniformly at the prescribed rate (see item E.2, Wood Cellulose Fiber -Hydro-mulching, below). The application unit used for "Hydro Mulch" shall be equipped with an agitator to maintain the seed and mulch in suspension within the unit's tank prior to and during application.

Method 3 - Where emergency treatment of exposed soils extends beyond October 15, emergency mulching without seed will be prescribed in accordance with "Soil stabilization measures" described previously.

Special Note: A minimum 70% seed germination with at least 1" growth must be obtained by December 1st, or area must be covered with straw mulch.

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(elevations below Placerville)

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A mulch coving shall be applied over the surface of the seeded area. Mulching shall follow immediately after seeding unless otherwise directed. Mulch will be of the material indicated.

NOTES:

1. STABILIZED CONSTRUCTION SITE ACCESS SHALL BE CONSTRUCTED OF 3"-6" ANGULAR ROCK MATERIAL CONFORMING TO SECTION 26 OF STATE SPECIFICATIONS PLACED OVER GEOTEXTILE MATERIAL. ROCK SHALL BE PLACED TO A MINIMUM THICKNESS OF SIX INCHES. THE METHOD OF PLACING, SPREADING AND COMPACTING ROCK SHALL CONFORM TO SECTION 26 OF THE STATE SPECIFICATIONS.
2. LENGTH OF SITE ACCESS SHALL BE A MINIMUM LENGTH OF FIFTY FEET. WIDTH SHALL BE A MINIMUM WIDTH OF TWELVE FEET OR AS NECESSARY TO COVER ALL VEHICULAR INGRESS AND EGRESS.
3. THE SITE ACCESS SHALL BE KEPT IN GOOD CONDITION BY OCCASIONAL TOP DRESSING.

## STABILIZED CONSTRUCTION SITE ACCESS

3  
C3.2  
NO SCALE

NOTE: STRAW WATTLE INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE WATTLE IN A TRENCH, 3-1/2" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

## STRAW WATTLE INLET FILTER

4  
C3.2  
NO SCALE

NOTES:

1. THE MAXIMUM DRAINAGE AREA PER FILTER SHALL BE NO MORE THAN 0.8 HECTARES(2 ACRES)
2. THE FILTER BAG SHALL BE MANUFACTURED FROM UV RESISTANT POLYPROPYLENE, NYLON, POLYESTER, OR ETHYLENE FABRIC WITH A MINIMUM TENSILE STRENGTH OF 50 LBS. PER LINER FEET, AN EQUIVALENT OPENING SIZE NOT GREATER THAN A 20 SIEVE AND WITH A MINIMUM FLOW RATE OF 40 GALLON/MINUTE/SQUARE FOOT.

3. THE FILTER BAG MAY BE SUSPENDED FROM OR HELD IN PLACE BY THE EXISTING INLET GRATE (OR OTHER APPROVED METHOD). PROVIDING NO MODIFICATION OR DAMAGE SHALL BE DONE TO THE INLET GRATE OR FRAME. THE INLET GRATE SHALL NOT BE CAUSED THE REST MORE THAN 1.3 CM (.5") ABOVE THE INLET FRAME. (SEE DETAIL A).
4. THE FILTER BAG MAY EXTEND TO THE BOTTOM OF THE INLET BOX PROVIDED THE OUTLET PIPE IS UNOBSTRUCTED.
5. FLOWS SHALL NOT BE ALLOWED TO BYPASS THE BAG. THE BAG OR ITS FRAME SHALL CATCH FLOWS AT ALL SIDES OF THE INLET, EXCEPT AS SHOWN FOR FLOOD RELEASE.
6. INLET FILTER BAGS SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL DURING THE WET SEASON AND MONTHLY DURING THE DRY SEASON. SEDIMENT AND DEBRIS SHALL BE REMOVED BEFORE ACCUMULATIONS HAVE REACHED ONE THIRD THE DEPTH OF THE BAG. BAGS SHALL BE REPAIRED OR REPLACED AS SOON AS DAMAGE OCCURS.

## STORM DRAIN INLET FILTER BAG

1  
C3.2  
NO SCALE

NOTE: STRAW ROLL INSTALLATION IN UNPAVED AREAS REQUIRES THE SECURE STAKING OF THE ROLL IN A TRENCH, 3"-5" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

NOTE: STRAW ROLL INSTALLATION ON PAVING SURFACES REQUIRES THE PLACEMENT WATTLES DIRECTLY ON PAVING SURFACE AND SECURED IN PLACE WITH SAND OR GRAVEL FILLED BAGS. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

## STRAW ROLLS

2  
C3.2  
NO SCALE

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Outdoor Dining

1100 Marshall Way, Placerville, CA 95667

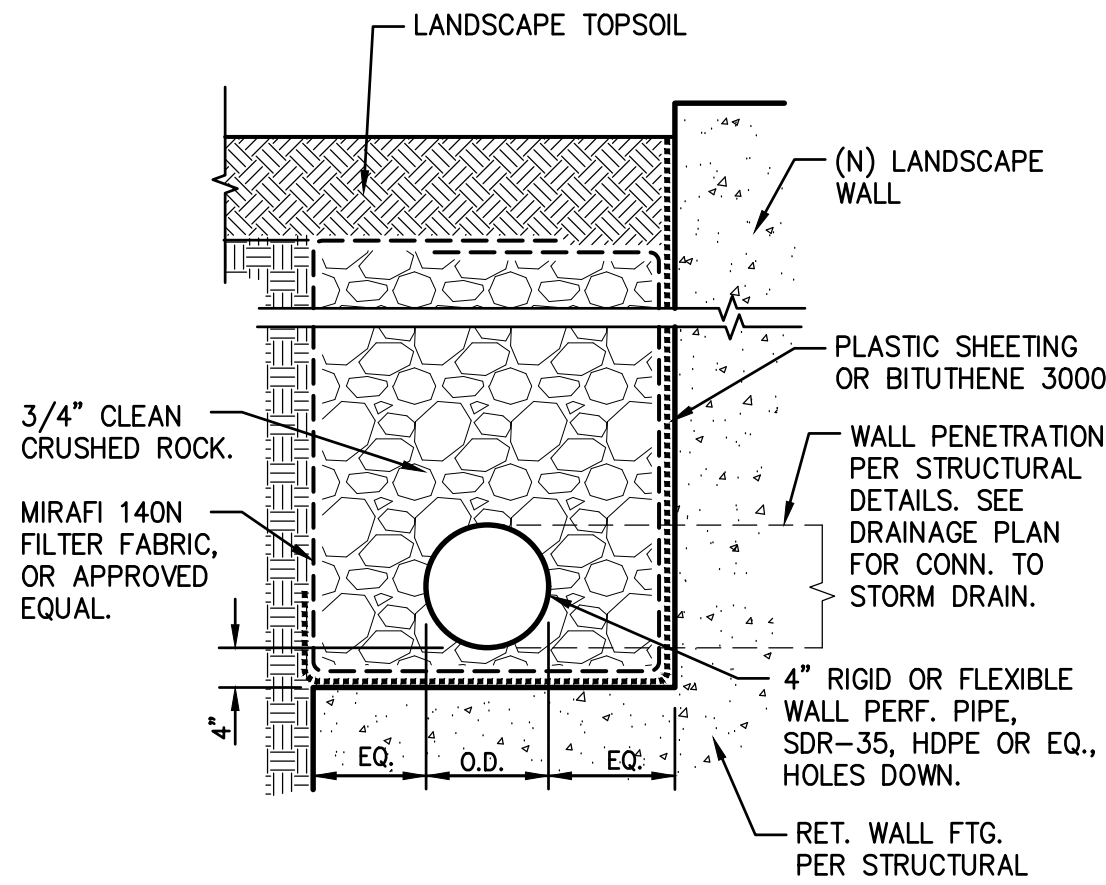
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No.	Description	Date
City of Placerville Permit No.		
Greenbough Design Project # 18022		
Drawn By SMN		
Checked By TF		
Issue Date 3/5/2019		
Issue Purpose Schematic Design		
Consultant Stamp		Architect Stamp
Sheet Name		
Erosion Notes and Details		
Sheet Number		

C3.2

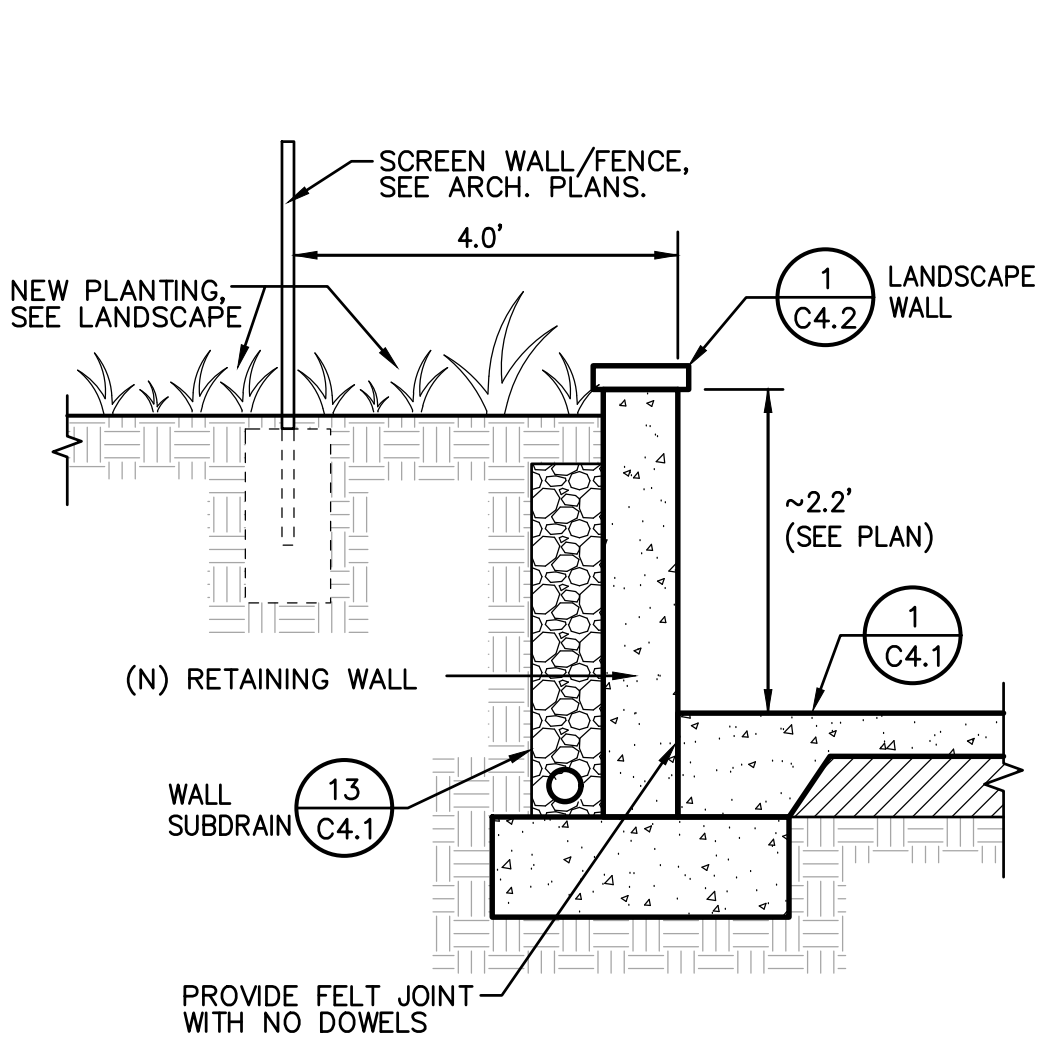
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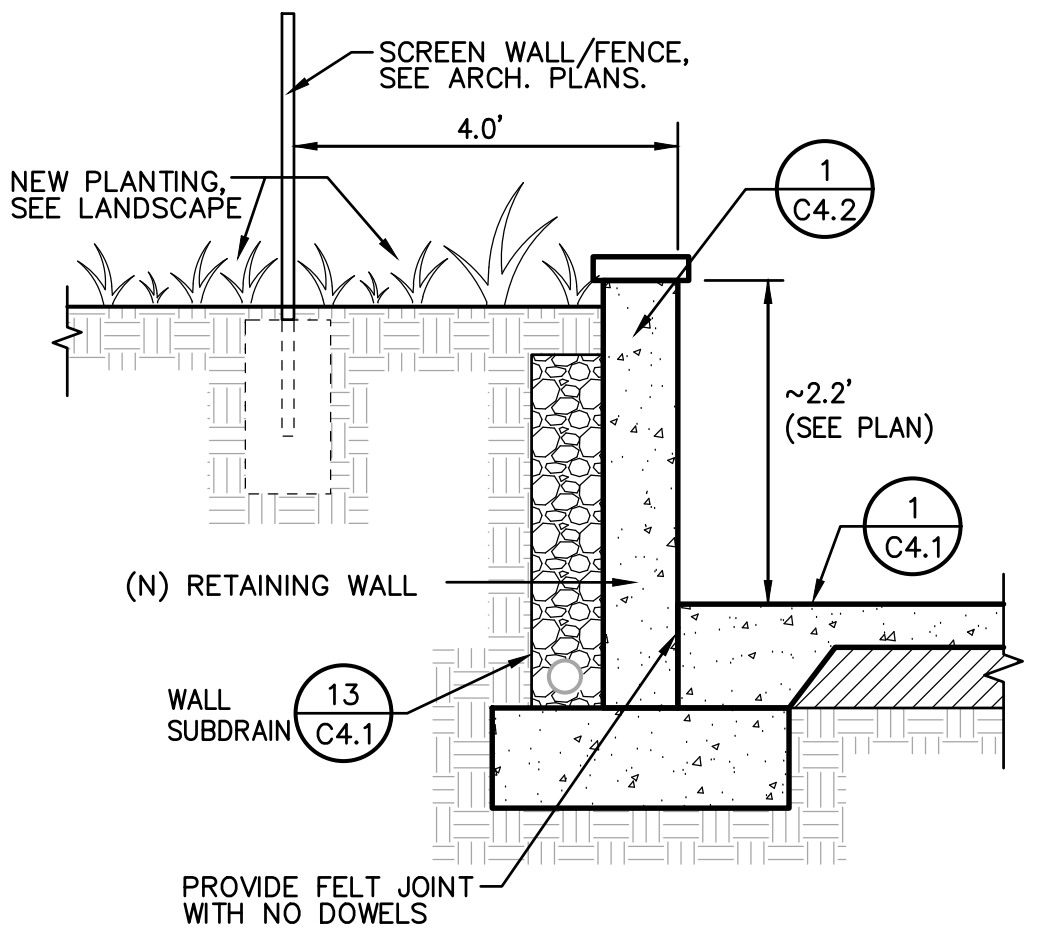
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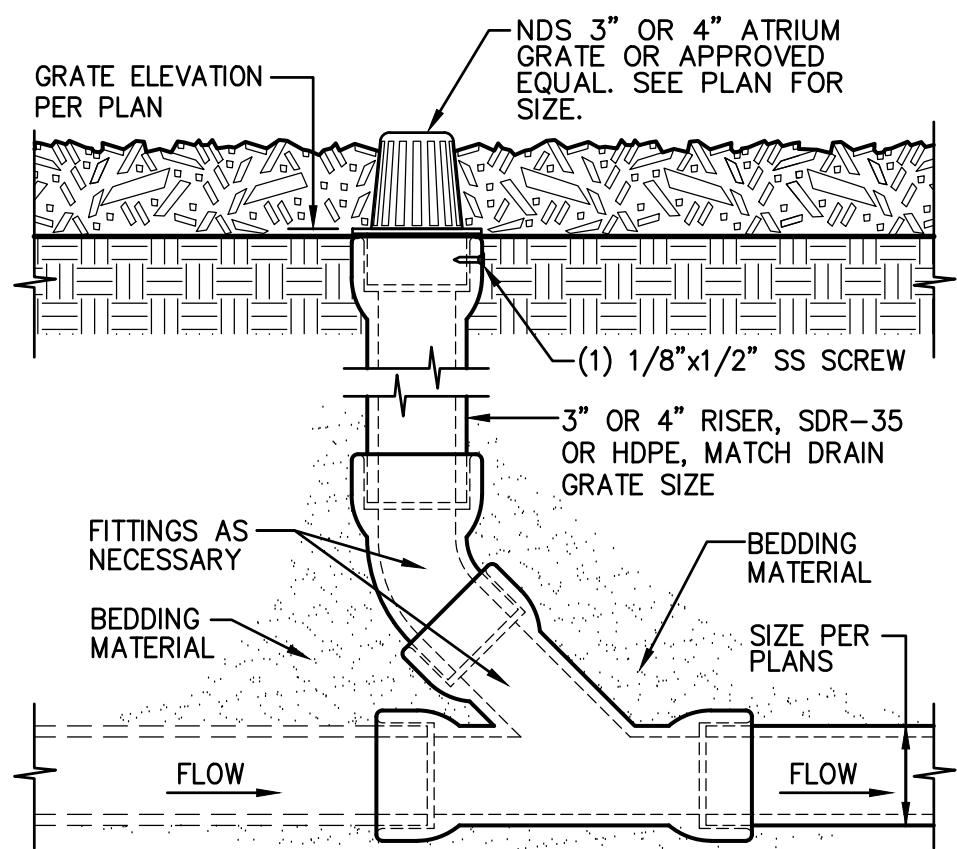
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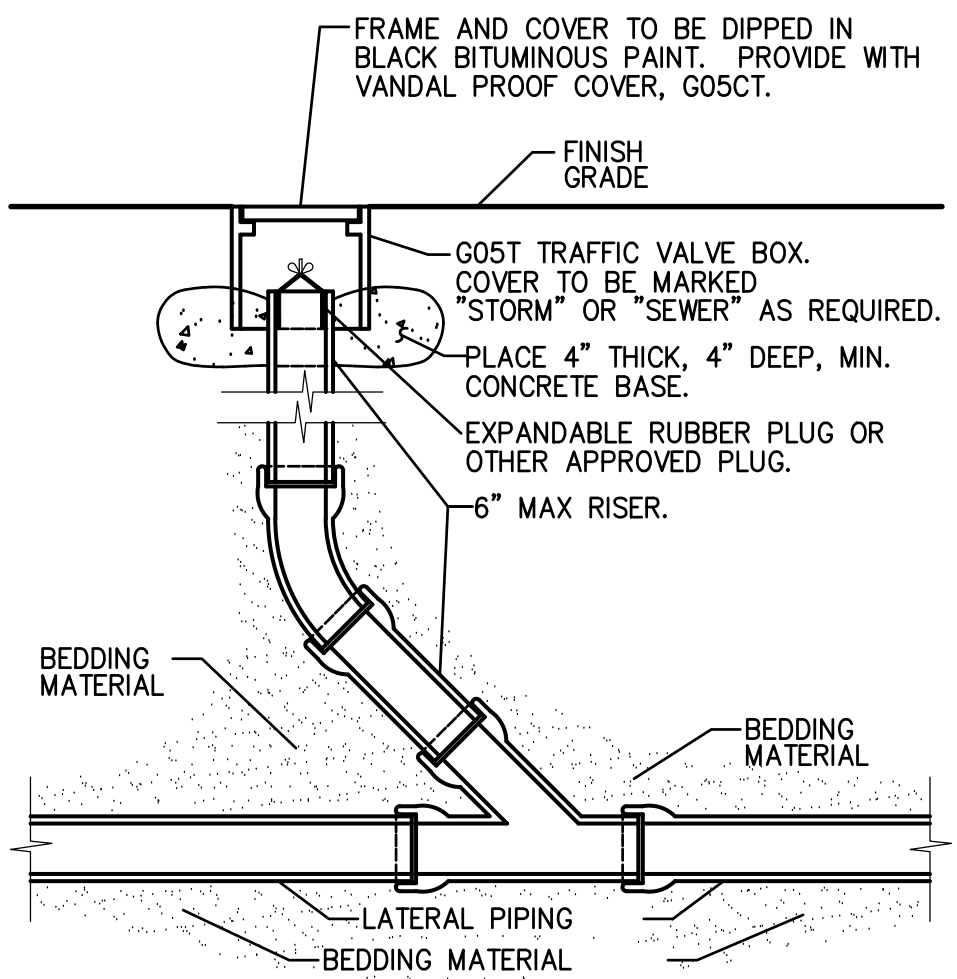
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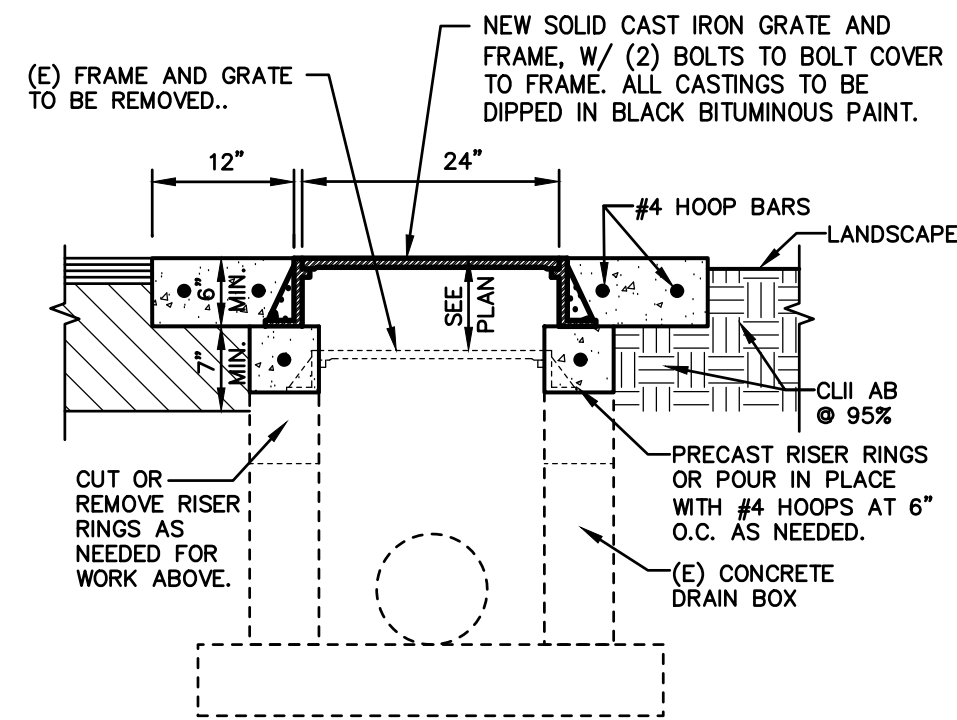
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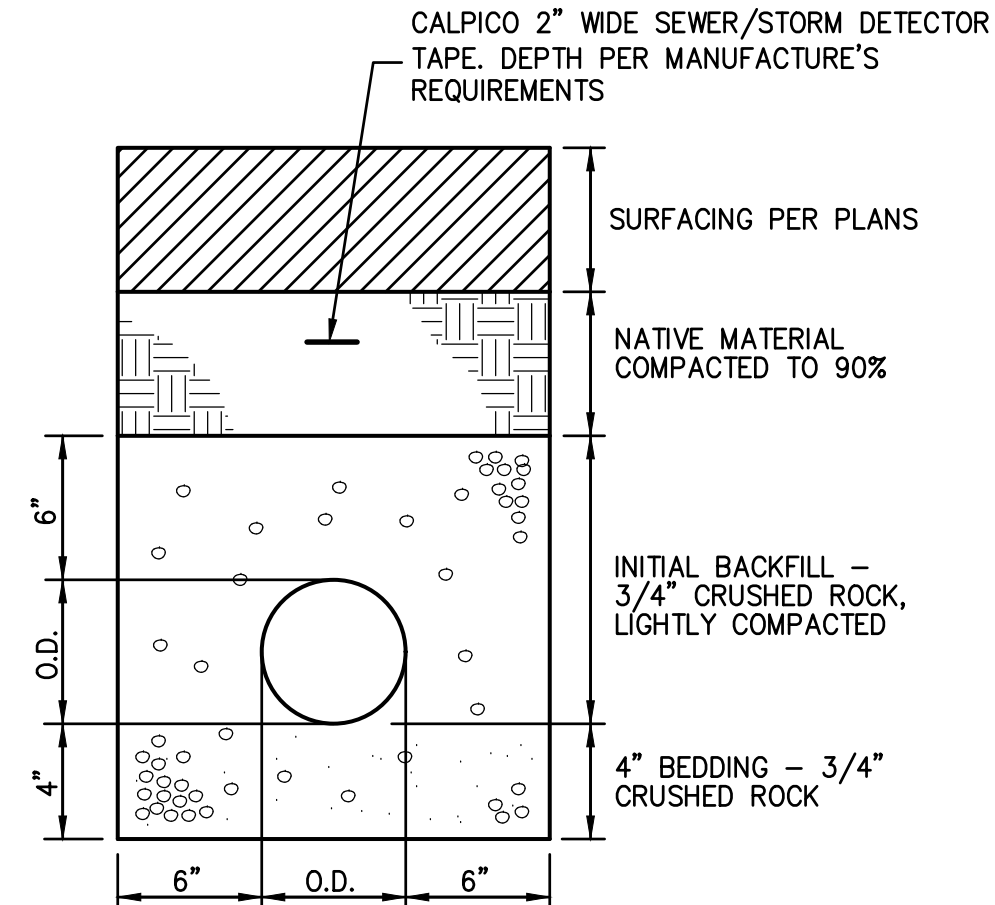
10 PLANTER DRAIN  
C4.1 NO SCALE



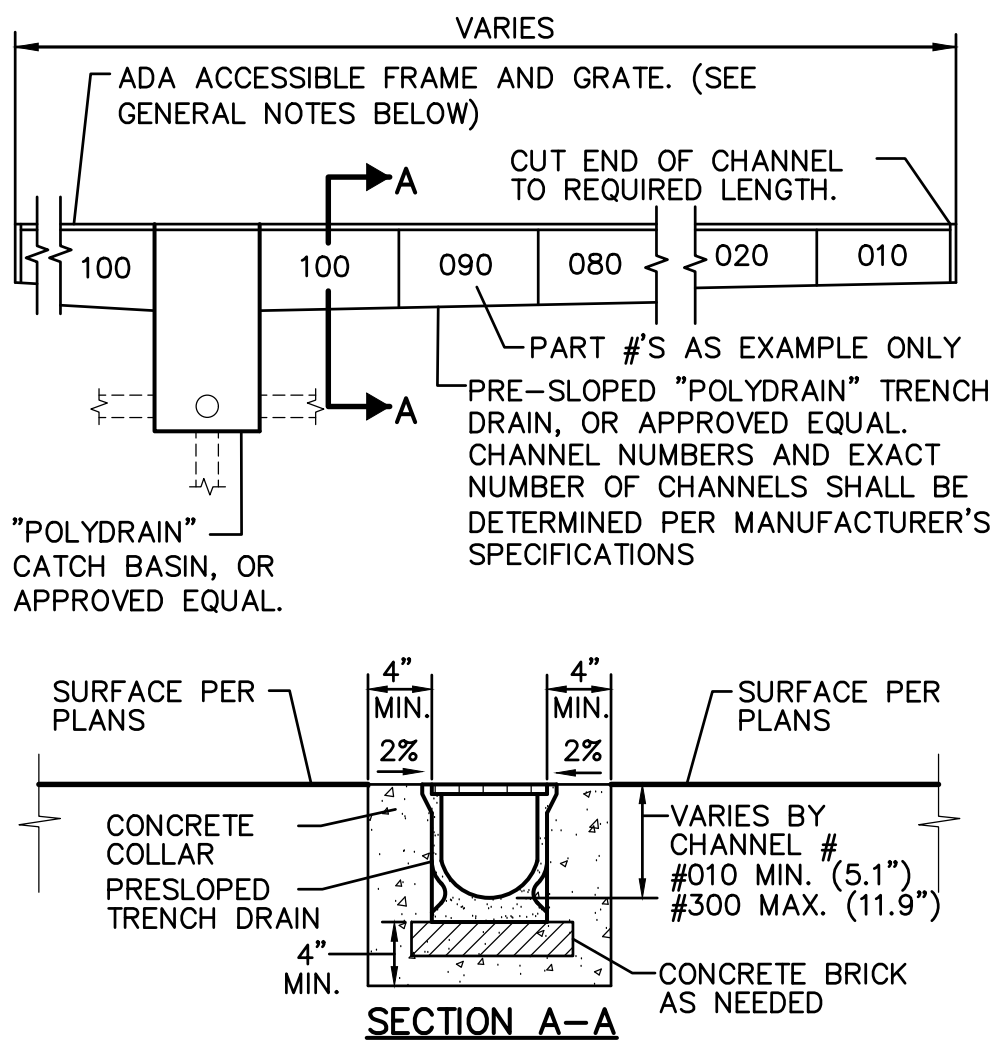
11 CLEANOUT  
C4.1 NO SCALE



12 ADJUSTED DRAIN/MANHOLE  
C4.1 NO SCALE



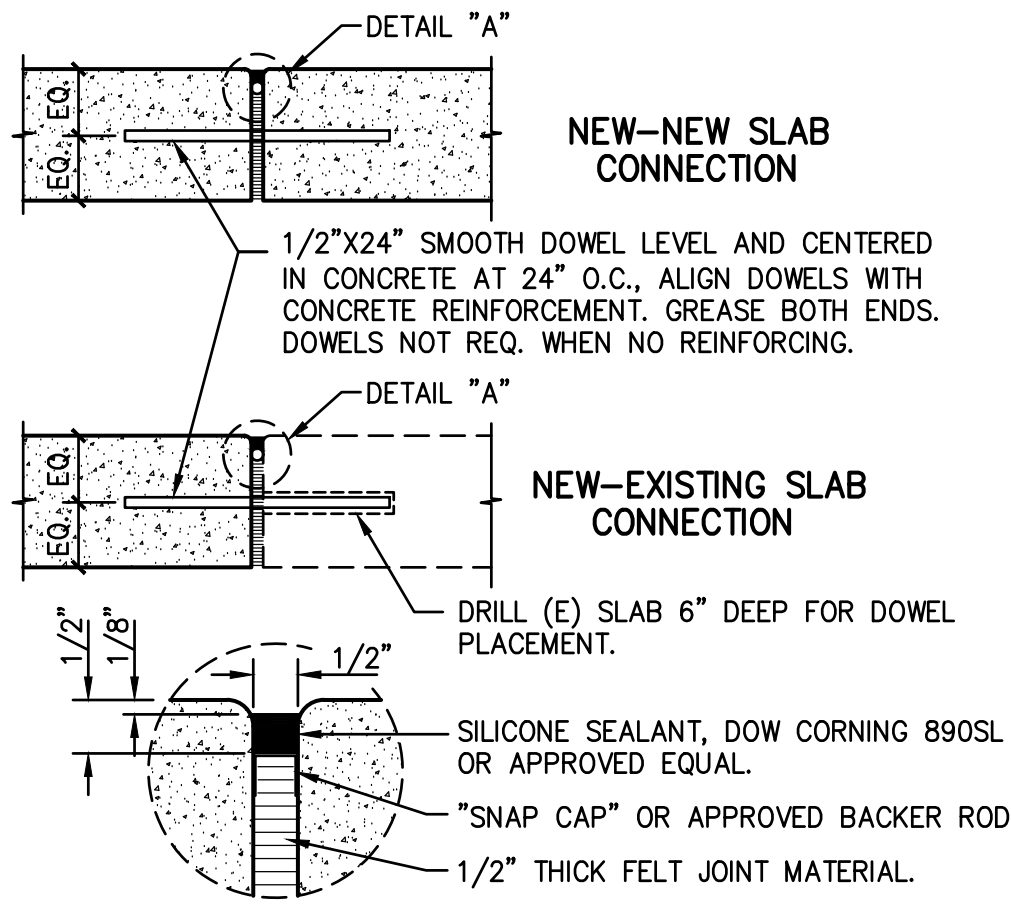
7 STORM/SEWER TRENCH  
C4.1 NO SCALE



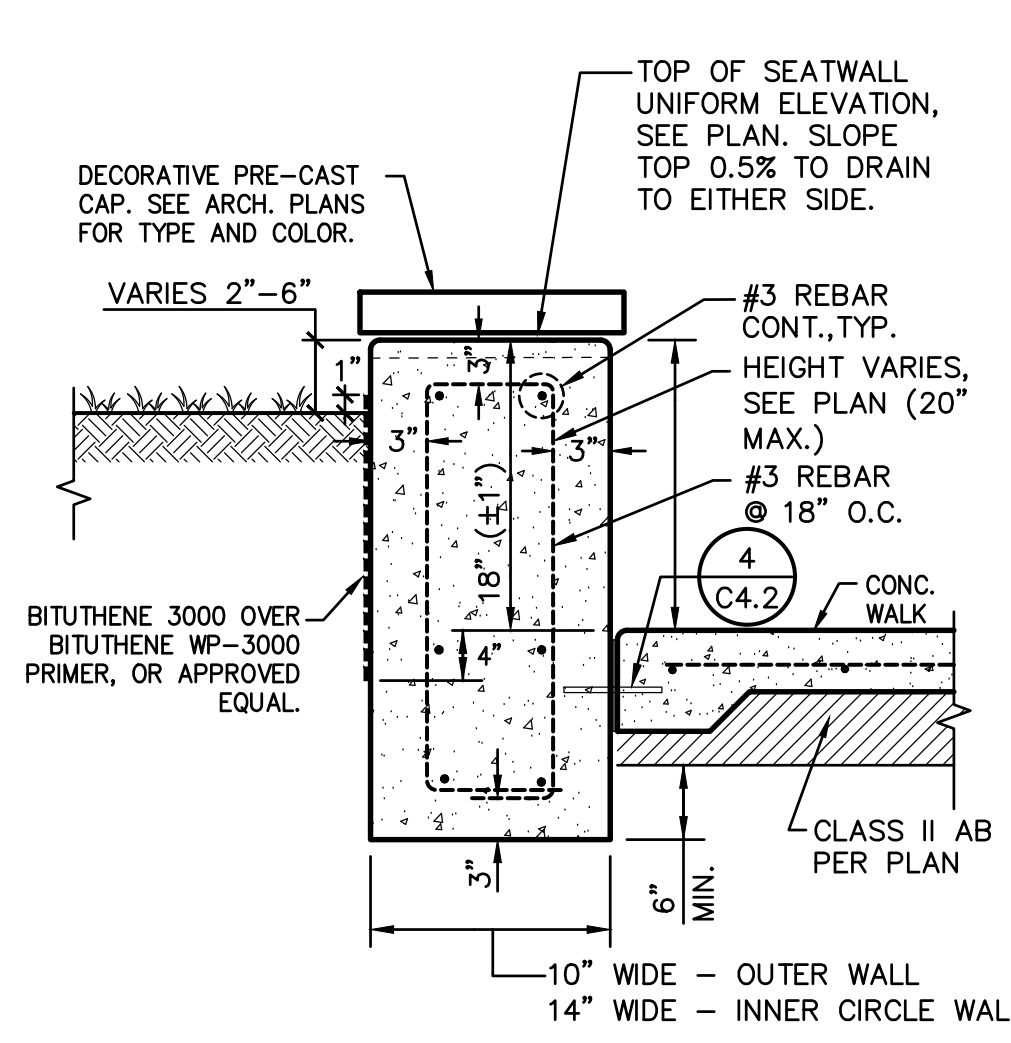
- GENERAL NOTES:
- GRATE SHALL ADA ACCESSIBLE, POLYDRAIN MODEL 2506 OR APPROVED EQUAL. IF PLACED IN FIRE LANE OR AREA DESIGNATED FOR VEHICLE TRAFFIC PROVIDE POLYDRAIN MODEL 2516.
  - IF TRENCH DRAIN IS PLACED IN FIRE LANE OR AREA DESIGNATED FOR VEHICLE TRAFFIC PROVIDE GALVANIZED STEEL \"OVERLAY RAILS\" AS SUPPLIED BY POLYDRAIN, OR APPROVED EQUAL.
  - CONTRACTOR SHALL FURNISH AND INSTALL A MODEL 2811B LOCKING DEVICE, OR APPROVED EQUAL, FOR ALL TRENCH DRAIN GRATES.
  - CONTRACTOR SHALL FURNISH AND INSTALL A TRASH BUCKET, MODEL 2900, IN ALL TRENCH DRAIN CATCH BASINS.
  - CONTRACTOR SHALL PURCHASE AND FURNISH THE MAINTINANCE/OPERATIONS DEPARTMENT OF THE SCHOOL WITH 2 MODEL 2231 TRENCH DRAIN SHOVEL HEADS, WITH STANDARD WOOD, OR COMPOSITE HANDLES.
  - ALL MITERED JOINTS SHALL BE SEALED WITH POLYDRAIN \"POLYSEAL\" CAULKING OR APPROVED EQUAL.

8 TRENCH DRAIN DETAIL  
C4.1 NO SCALE

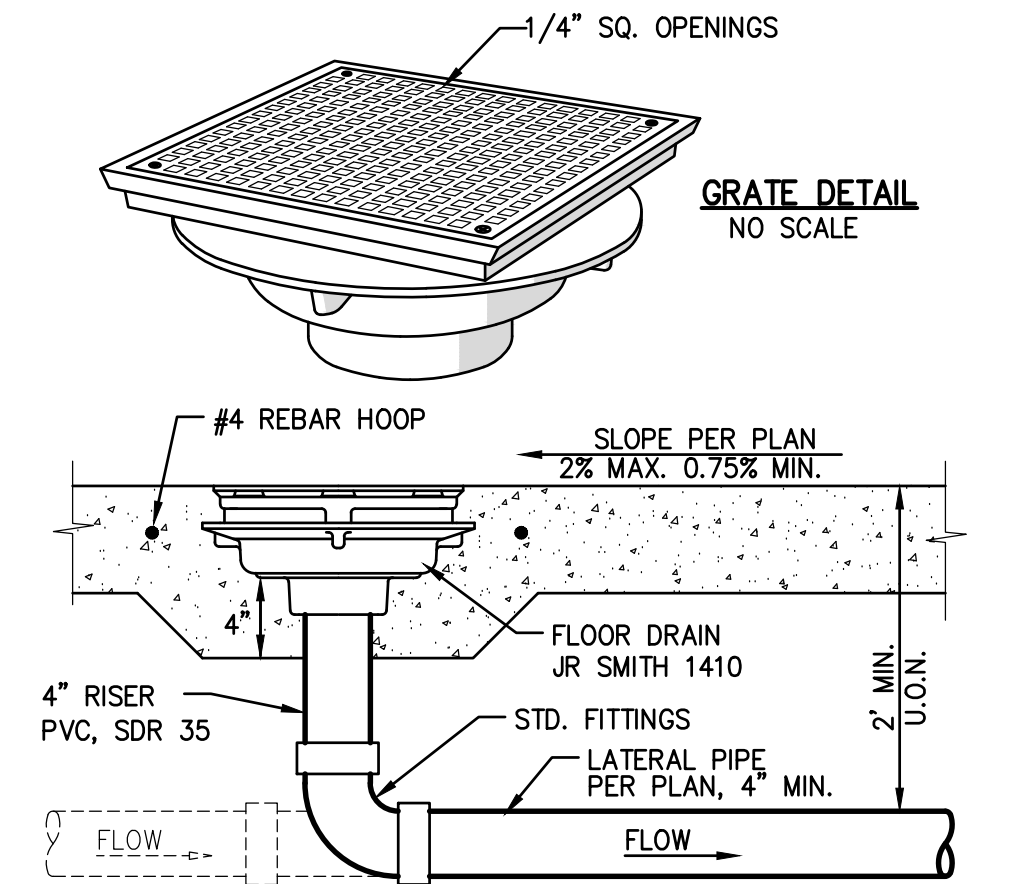
9 NOT USED  
C4.1 NO SCALE



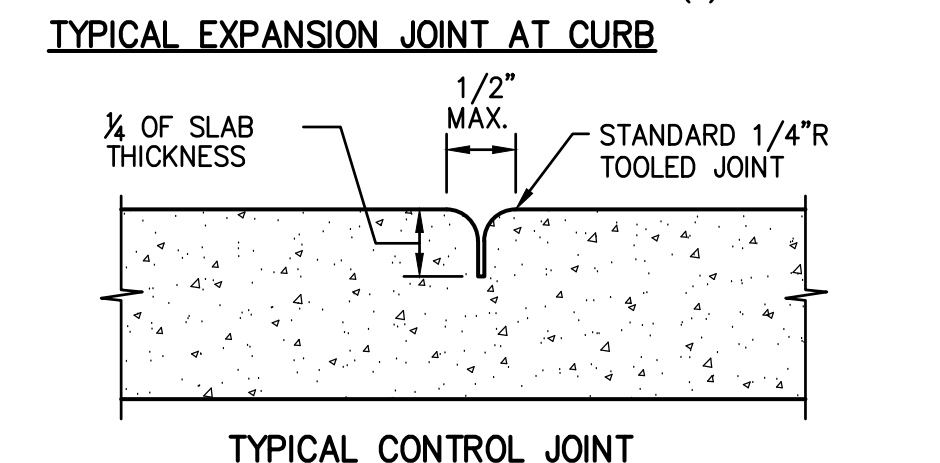
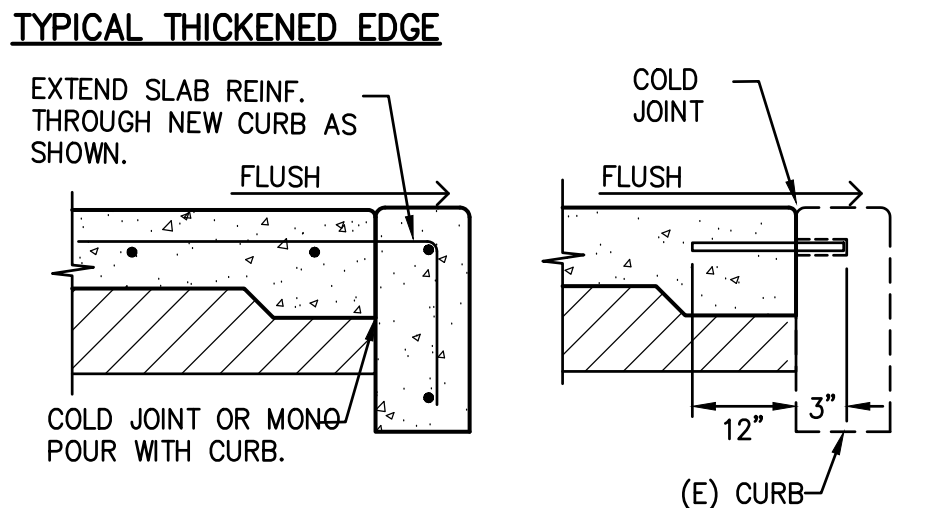
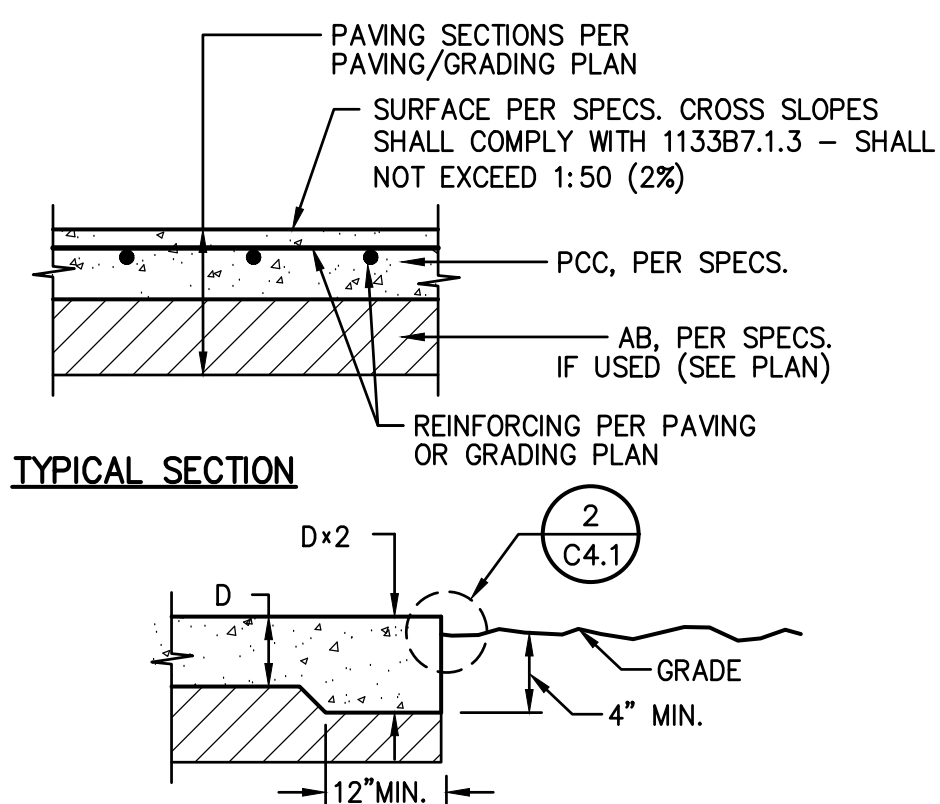
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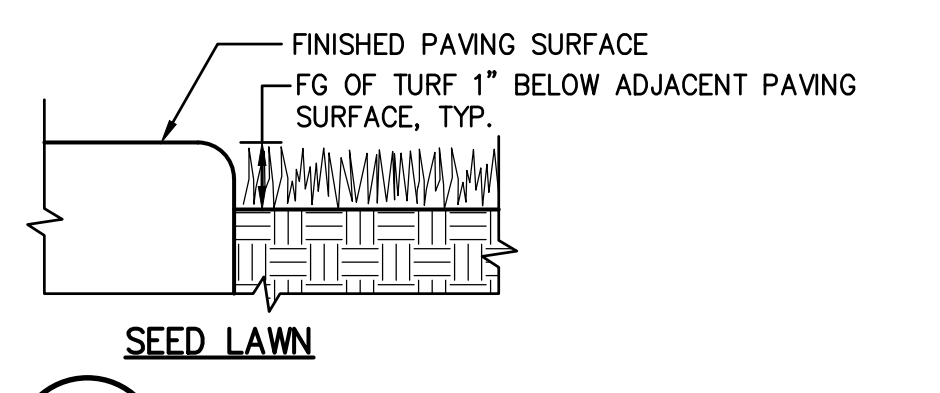
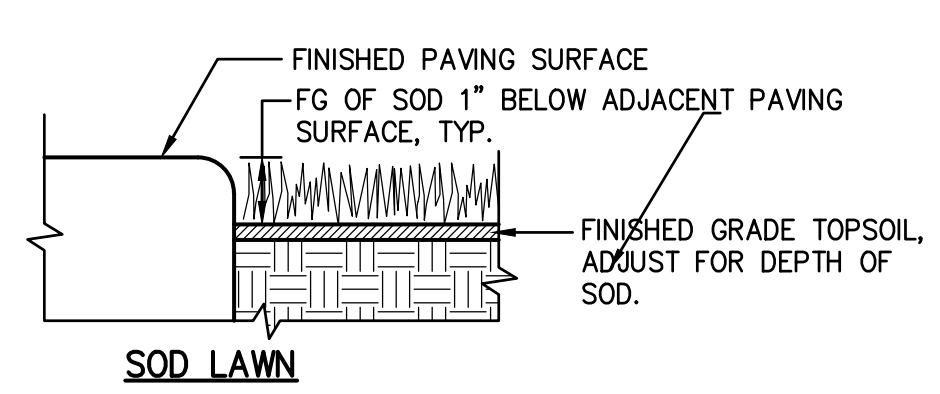
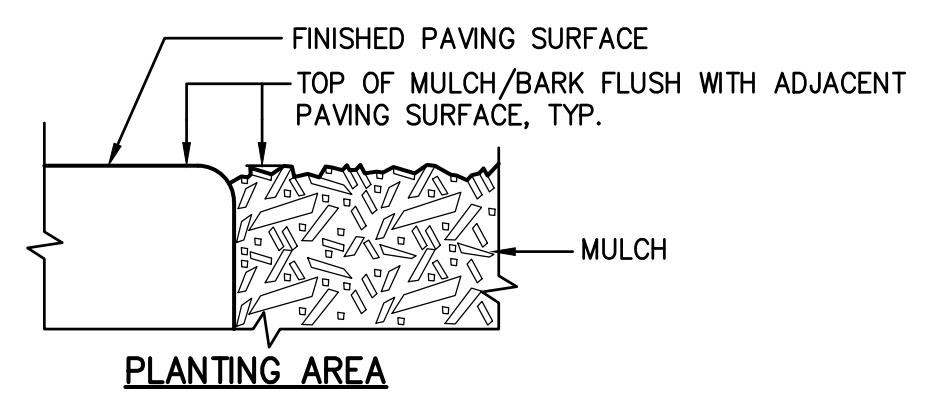
5 LANDSCAPE SEATWALL  
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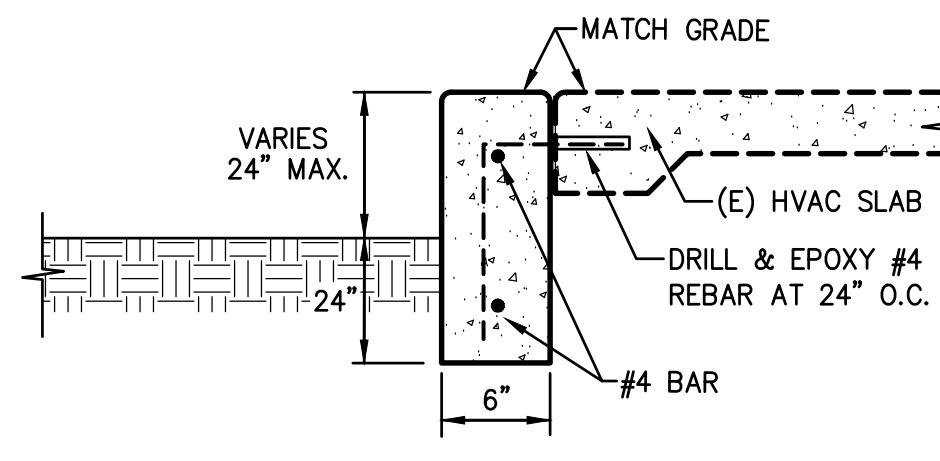
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C4.1 NO SCALE



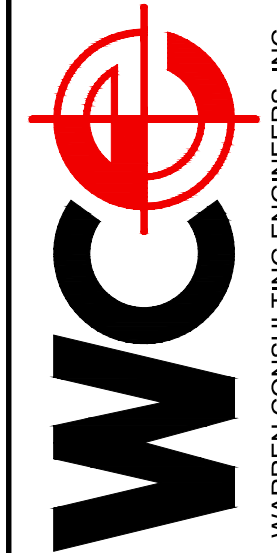
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C4.1 NO SCALE



2 PAVING EDGE DETAIL  
C4.1 NO SCALE



3 HVAC SLAB CURB  
C4.1 NO SCALE



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**Marshall Medical Center**

**Outdoor Dining**

**1100 Marshall Way, Placerville, CA 95667**

Revisions		
No.	Description	Date

City of Placerville Permit No.

Greenbough Design Project #	18022
Drawn By	SMN
Checked By	TF
Issue Date	3/5/2019
Issue Purpose	Schematic Design

Consultant Stamp	Architect Stamp

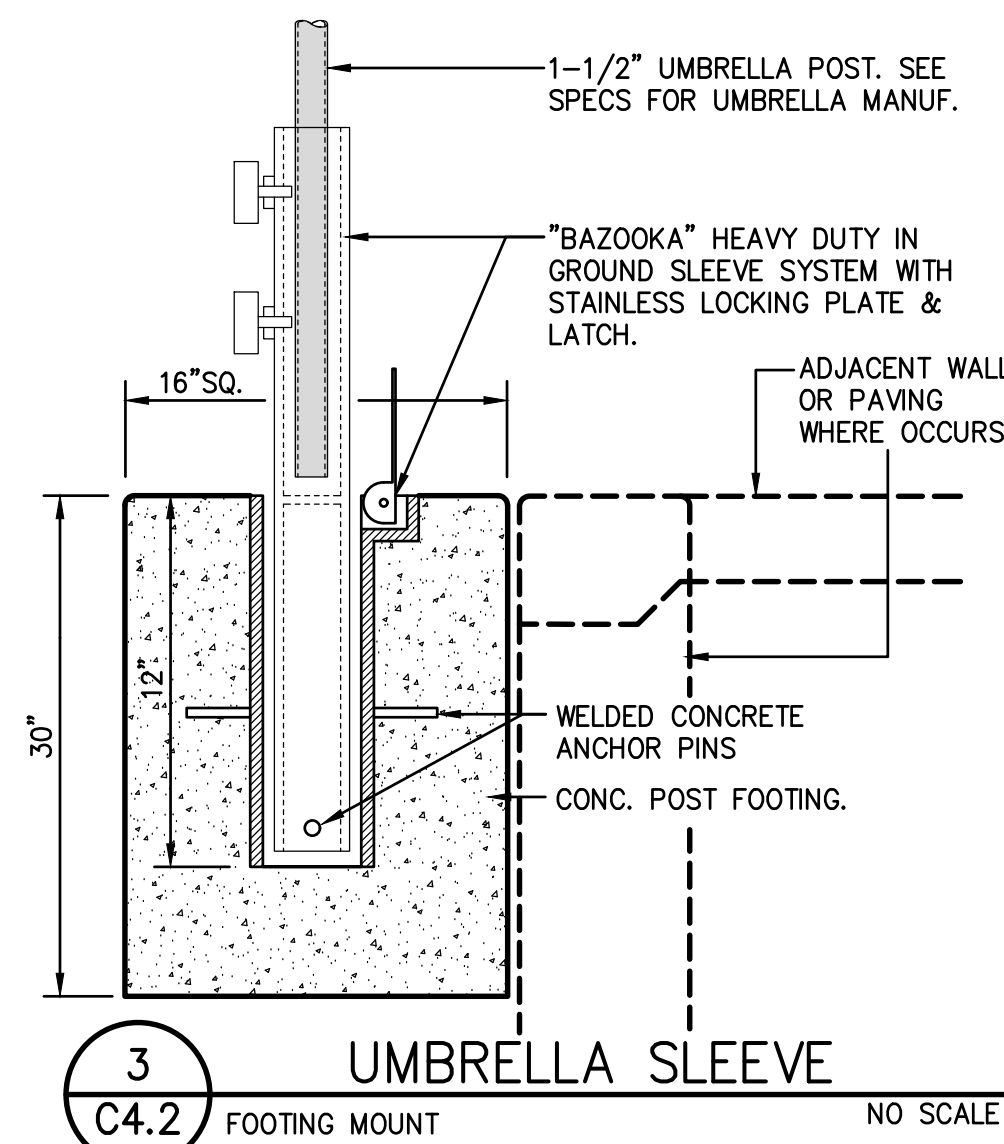
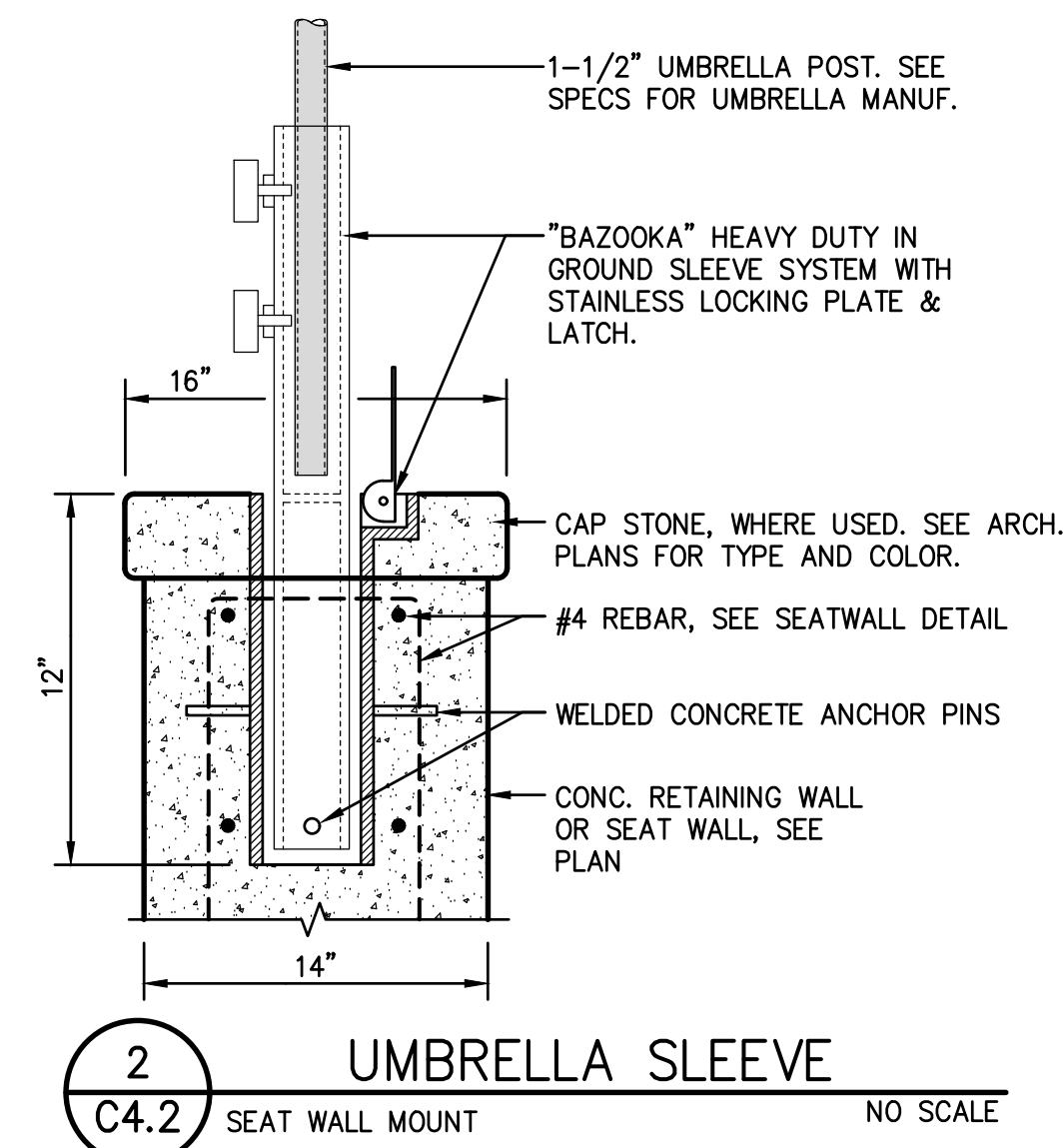
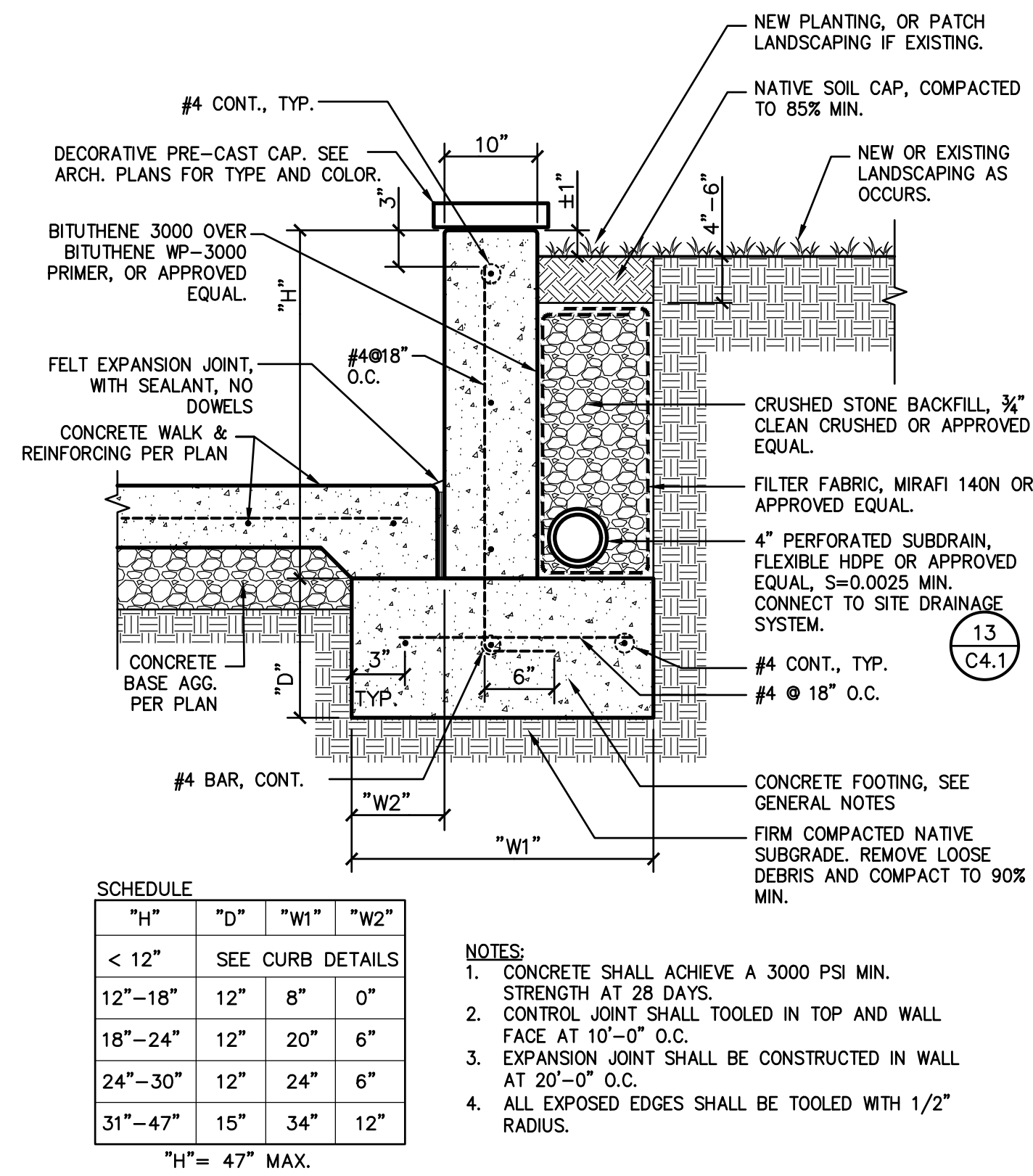
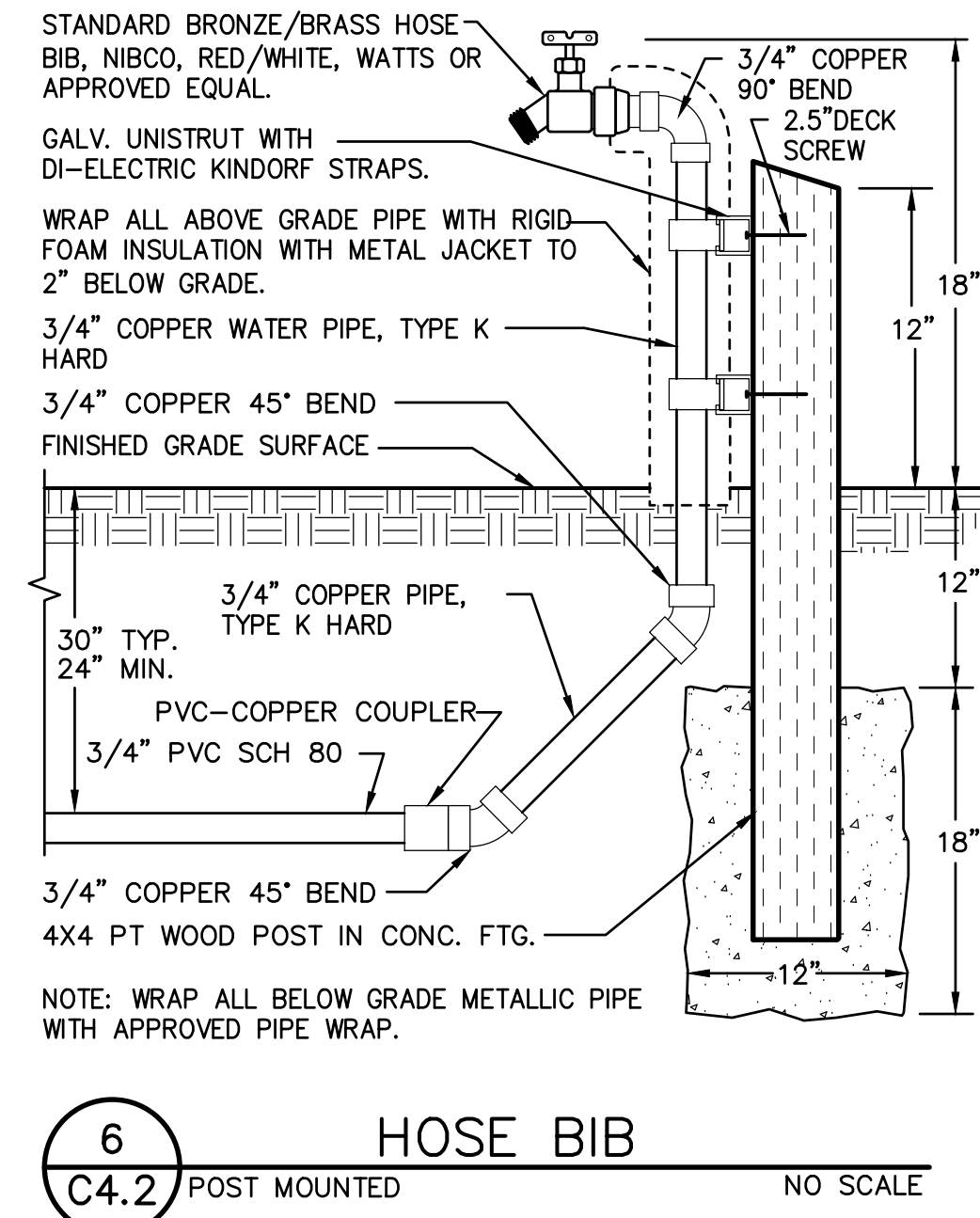
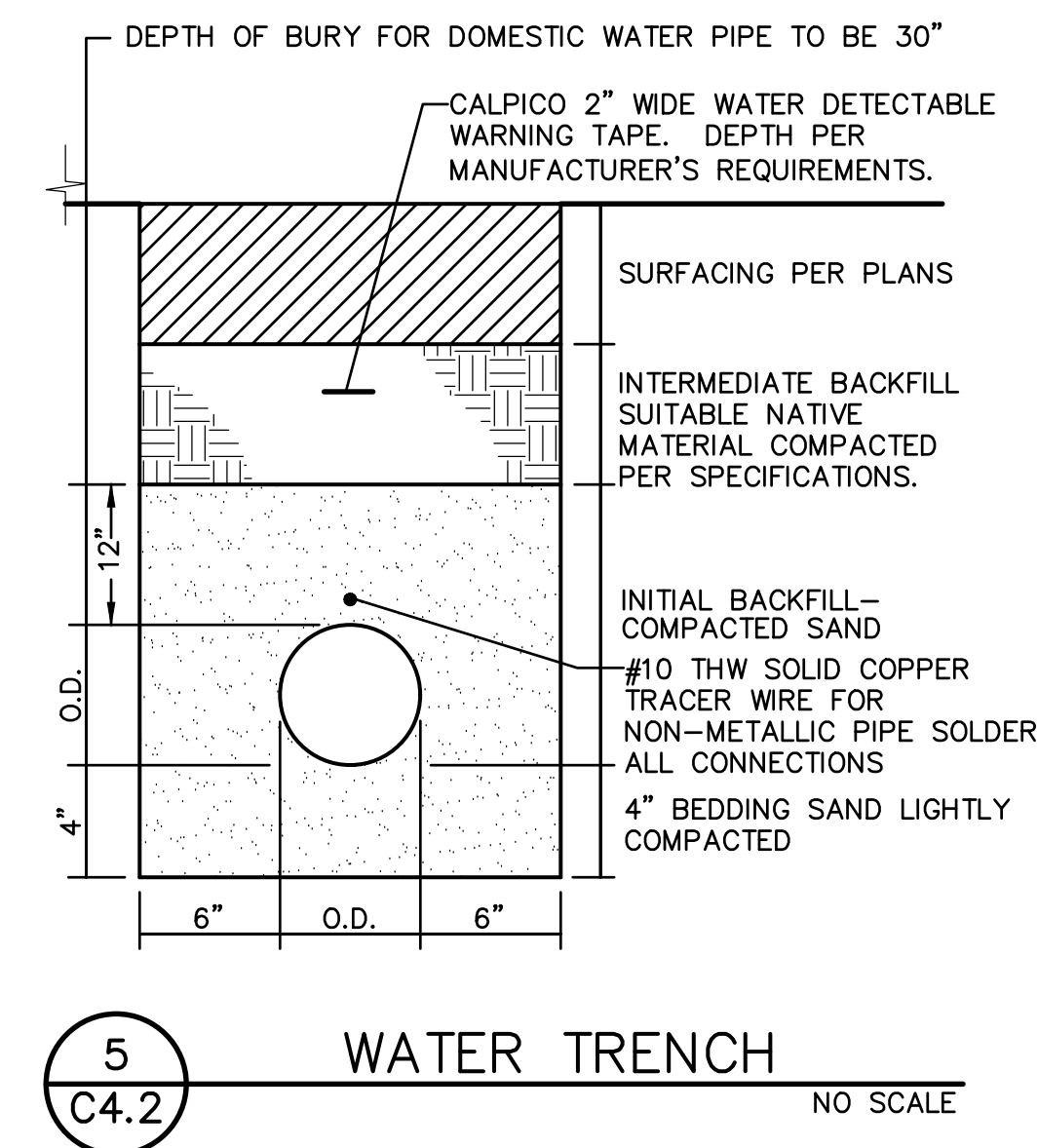
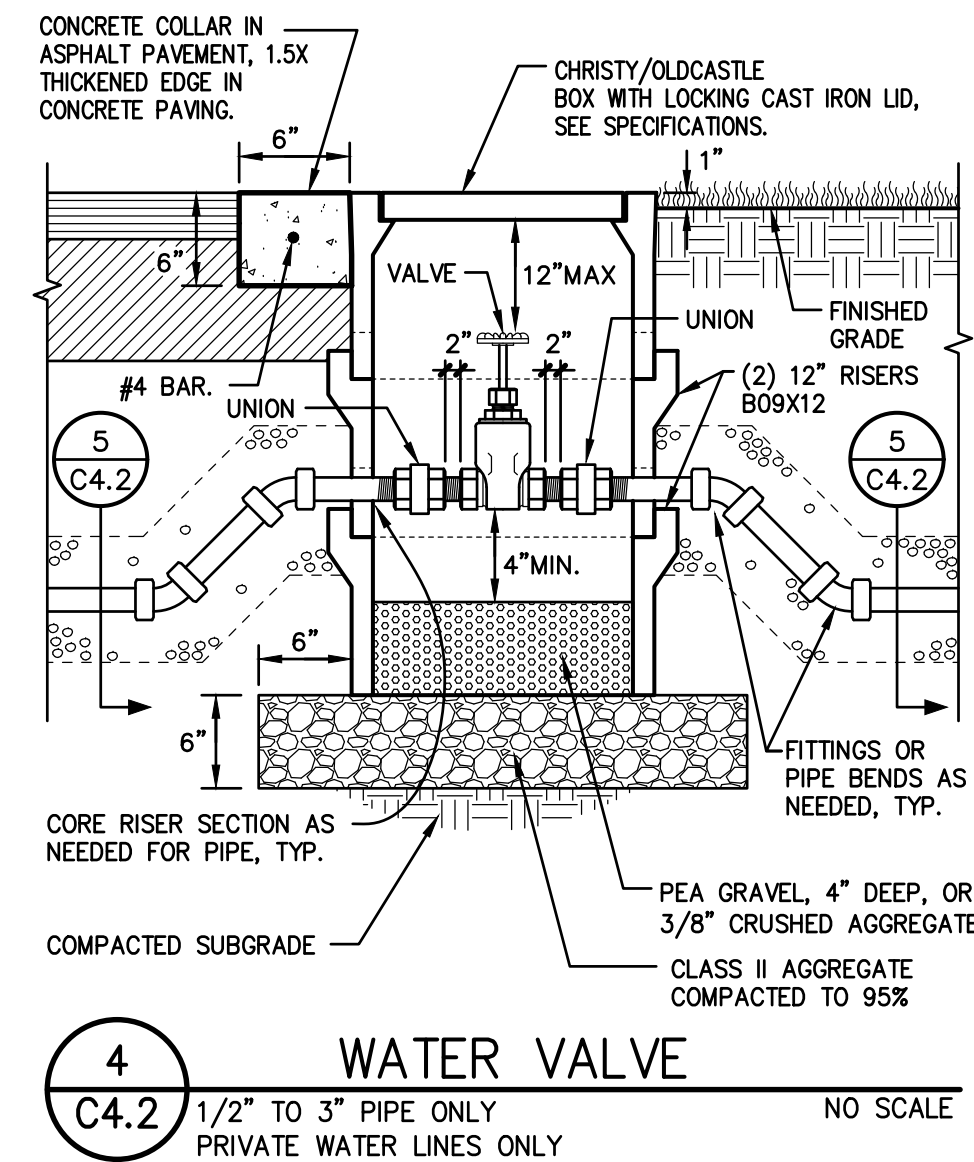
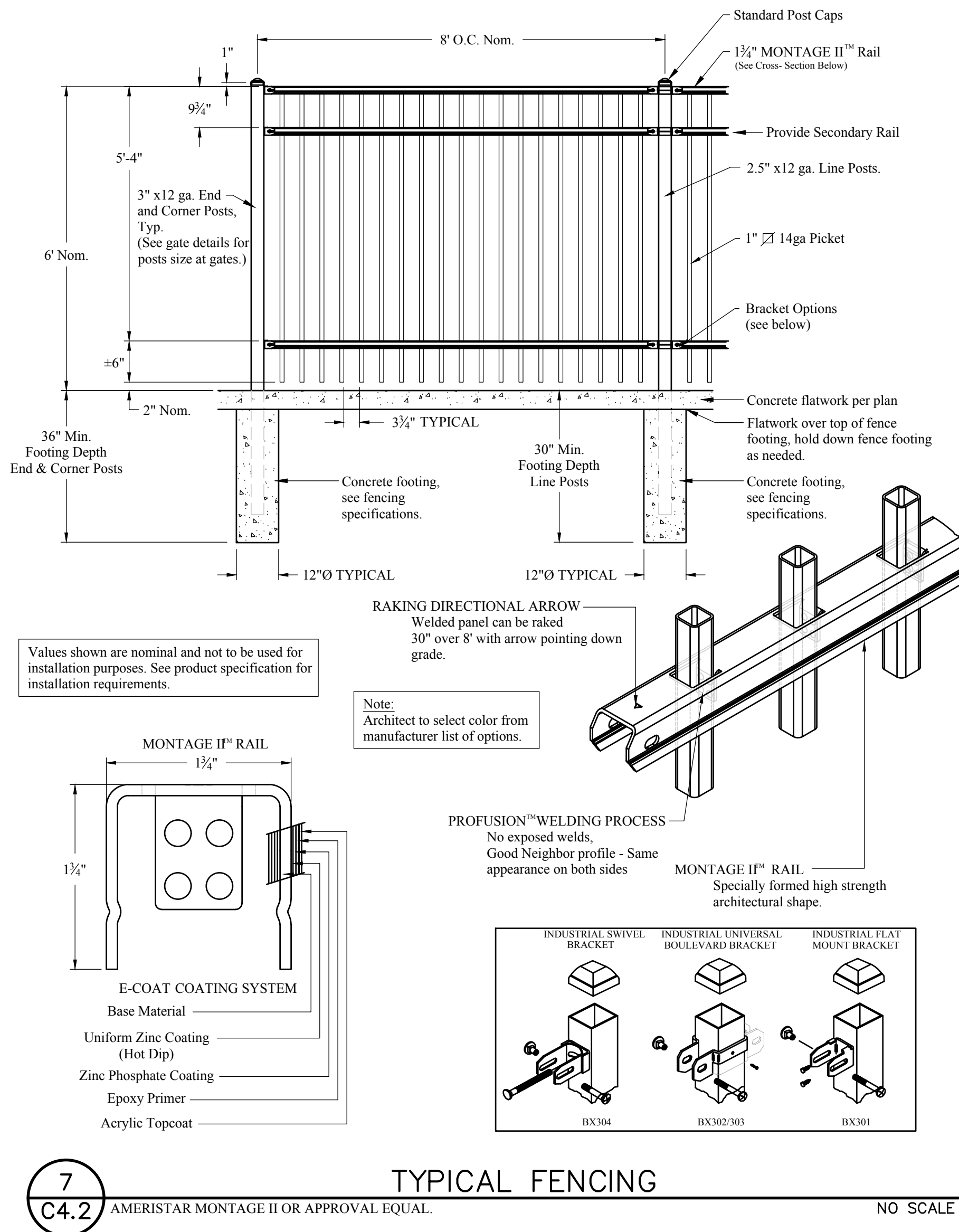
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**Details and Sections**

Sheet Number **C4.1**

Permit Set











ELECTRICAL SPECIFICATIONS

PART 1 – GENERAL

1.01 DESCRIPTION:

A. Provide all electrical equipment and systems as shown on the drawings and described in this Division of the Specifications to provide a complete and working installation. This work includes but not limited to: all materials and labor required for a complete installation of the electrical systems. The contract documents do not undertake to show or specify every item to be provided. When an item not shown or specified necessary for proper installation and/or operation of equipment shown or specified, provide the item, which will allow the system to function properly, at no increase in Contract Price.

1.02 WORK INCLUDED:

A. Installation:

- 1. New light fixtures.
- 2. New receptacles.
- 3. Conduit and conductors.
- 4. Connect Contractor–furnished equipment under Architectural Specification.

1.03 CODE ANALYSIS:

A. electrical systems specified as part of this project shall be installed in conformance with the following codes:

- 2016 California Electrical Code (C.E.C.)
- 2016 California Building Code (C.B.C.)
- 2016 California Fire Code (C.F.C.)
- 2016 National Fire Protection Association (NFPA)

1.04 QUALITY ASSURANCE:

A. Nothing in the Contract Documents shall be construed to permit Work not conforming to applicable laws, ordinances, rules or regulations.

B. It is not the intent of the Contract Documents to repeat requirements of Codes except where necessary for completeness or clarity.

1.05 PERMITS, FEES AND INSPECTIONS:

A. Inspections required by any state and/or local authorities during construction shall be arranged by the contractor.

1.06 SUBMITTALS:

A. Submit shop drawings and supplemental data for all materials and equipment specified in all Sections of this Division.

B. Product data submittals shall include catalog product cut sheets, equipment size and weight, rough–in dimensions and templates, manufacturer's installation instructions, wiring diagrams, size and weighs for all materials proposed for the product identified. Catalog cuts containing unidentified materials or superfluous information will not be accepted.

C. As a minimum, submittals are required for the following items:

- 1. Light fixtures.
- 2. Wiring devices and boxes.
- 3. Raceway and fittings.
- 4. Conductors, Wire and Cable.

1.07 PROJECT RECORD DOCUMENTS:

A. Upon completion of work, furnish Architect with complete sets of reproducible plans upon which shall show all work installed under contract which are not in accordance with the drawings. All symbols and designations used in preparing record drawings shall match those used in contract drawings.

1.08 EXAMINATION OF SITE:

A. The contractor is responsible to have visited the site of construction prior to bid to determine existing conditions and their effect upon the work he will be required to perform. No additional compensation will be allowed for any extra expense incurred by failure to detect and evaluate all existing conditions which will affect his work.

B. information shown as existing was taken from existing drawings (Not "As–Built" Drawings) and limited site surveys and may not be exactly as shown and shall be regarded as approximate only. Make deviations found necessary to conform with actual locations and conditions with no increase in Contract Sum.

1.09 DRAWING AND COORDINATION WITH OTHER WORK:

A. The Electrical Drawings are, by necessity, diagrammatic in nature. Locations of devices, equipment, outlets, and lighting fixtures are to be verified and coordinated with all disciplines prior to the installation of conduit.

B. The information presented in these Specifications and on the Drawings is intended to describe the utilitarian and physical aspects of the systems shown as well as the quantity of the entire installation. All information is as complete and thorough as possible, but every condition or situation cannot be anticipated. Exact locations, dimensions, elevations, etc. must be determined "on the job" with careful attention to the "intent" of the Drawings and Specifications.

C. The above paragraph shall not be construed as to allow significant deviations from either the Drawings or Specifications without prior approval from the Architect in writing. But minor changes in conduit routing or equipment locations may be required or desired due to specific conditions encountered. This work shall be accomplished in accordance with these Specifications and no "extra charges" are to be created for any unanticipated labor or material.

D. Exact routing of conduit and wiring and location of outlets, panels, and other items, shall be governed by the structural conditions, and materials and equipment already in place. Use data in the Contract Documents. In addition, the Architect reserves the right, at no increase in Contract Sum, to make any reasonable changes in locations of exposed electrical items, to group them into orderly relationship and/or increase their utility. Verify Architect's requirements in this regard prior to rough–in work.

E. The contractor is responsible to coordinate the installation of his work in relation to the Work of the other trades

F. Work out all "tight" conditions involving Work of this Division and Work of the other Divisions prior to installation. Provide additional Work necessary to overcome "tight" conditions. Space conflicts which occur during or after installation of work caused by failure to consider all such requirements shall be resolved by the Contractor to the satisfaction of the Architect and Owner at no increase to the Contract Amount.

1.10 REPAIR OF EXISTING:

A. Lay out Work in advance where cutting of walls, partitions, ceilings, or other surfaces is necessary for the installation, support, or anchorage of the conduit, raceways, or other electrical work. Do Work carefully and repair any damage to building, piping, or equipment by skilled mechanics of the trades involved.

1.11 TEMPORARY WIRING:

A. The building shall remain in operation during all phases of work. whenever Work makes it necessary to cut off a circuit, either a feeder or branch circuits, and it stands to remain out of service for some time, make temporary connections so remaining outlets or load will continue to be energized. Contractor shall make every effort to keep electrical circuits, which includes power, telephone system, etc., in operation. Some outlets and wiring in remodel area will remain undisturbed. Reconnect these circuits, extending where necessary so all circuits will operate satisfactorily upon completion of job. Existing fire alarm and intrusion alarm system must be operational when workman leave job at the end of day.

B. Where power outages are unavoidable, such outage shall be scheduled in advance with the Hospital Representative and shall occur at such times as to cause the least disruption of the normal facility functions.

C. The Hospital Representative shall be notified at least sevety–two (72) hours in advance of any power shutdown, and shutdown shall be at convenience of Owner. No allowance for overtime labor during such period shall be allowed under the contract.

1.12 WORKMANSHIP:

A. High quality workmanship shall be evidenced in the installation of all electrical materials and equipment. Equipment shall be level, plumb and true with the structure and other equipment. All materials shall be firmly secured in place and adequately supported and permanent. The recommendations of the National Electrical Contractors Association's "Standard of Installation" shall be followed. Replace or repair any material or equipment damaged by or installed in a manner exhibiting evidence of poor workmanship.

1.13 GUARANTEE:

A. All electrical work, material and equipment shall be guaranteed to be free from defects in workmanship or material for a period of one (1) year from the date of final acceptance. Repair or replace all such defects in a timely manner and any damage to the Owner's property resulting from such defect or repair thereof. All equipment and material provided and all work accomplished under the requirements of this section shall be at no expense to the Owner.

PART 2 – PRODUCTS

2.01 MATERIALS:

A. Conduit Raceway System:

- 1. Electrical Metallic Tubing (EMT): Electro–Galvanized steel thin wall. EMT shall comply with ANSI C80.3 and UL797.
- 2. PVC Conduit: Schedule 40, 90°C Manufactured in accordance with NEMA TC–2 and UL 651 specifications.

B. Conduit Fittings:

- 1. EMT Fittings: All couplings and connectors shall be raintight, steel compression type requiring tightening of a nut.
- 2. PVC fittings: Molded PVC, slip on solvent welded type in accordance to NEMA TC–3.

C. Outlet and Junction Boxes:

- 1. Galvanized sheet steel for indoor locations and of proper Code size for required number of conduits, conductors, splices and devices. Boxes for switch and receptacles shall not be less than four inches (4") square by one and one–half inches (1 1/2") deep for single devices and four and eleven sixteenths inches (4 11/16") square by one and one–half inches (1 1/2") deep for two (2) devices. Sectional boxes are not acceptable.
- 2. Boxes installed in concrete or block walls shall be masonry boxes approved for the application and shall be listed concrete tight. Masonary boxes shall not be less than 3–1/2" inch deep.

D. Pull Line: Jet Line No. 232, Greenlee No. 430 or equal, one–eight inch (1/8") diameter braided line of polypropylene line of continuous fiber polyolefin; minimum break strength, two hundred (200) pounds.

E. Insulated Conductors – 600 Volt Wire and Cable:

- 1. Single conductor, soft drawn copper having conductivity of not less than ninety– eight percent (98%) of that of pure copper, with insulation rated at 600 volts AC, seventy five degrees (75δ) C conductor temperature, Type THHN–THWN. Minimum wire size shall not be less than #12 AWG unless otherwise noted.
- 2. Factory color code all branch circuits and feeder conductors:

Phases	A	B	C	N	G
480/277 Volts	Brown	Orange	Yellow	White/Grey	Green
208/120 Volts	Black	Red	Blue	White	Green

F. Wiring Devices:

- 1. Receptacles: 20 amps, 125 volt, NEMA 5–20R configuration, "Specification Grade", extra heavy duty, self grounding, back and side 8 hole feed–thru wired. Receptacle device shall be single piece "rivit–less" construction in the primary power and ground path, all brass mounting strap, brass power terminal, brass ground screws and ground blades having maximum flat (not edge) contact surface area with the "sides" of the U ground plug blade. Terminals to accommodate 10 gauge conductors. device color shall be determined by the Architect. Body shall be of phenolic compound with terminals to accommodate 10 gauge conductors. Hubbell #HBL2162 or equal.

G. Weatherproof while–in–use cover, raintight, high impact polycarbonate self–closing hinged, gasketed and lockable lid. Install in locations as required by the CEC Section 406.9(B)(1) and 406.9(B)(2). Hubbell #RW57500 or equal.

H. Weather–Resistant cover, die–cast aluminum, gasketed raintight with self–closing spring lid. Hubbell #WP26 or equal.

I. Precast Pullboxes: General use electrical pullboxes shall be precast concrete designed for underground electrical circuits. All bodies shall be reinforced with welded wire frames. Boxes shall include extensions, base, dry well, concrete lid with hold–down bolts. Christy or equal.

PART 3 – EXECUTION

3.01 INSTALLATION:

A. Conduit:

- 1. All conduits shall be installed concealed in wall cavity or accessible ceiling space. Exposed conduits will not be acceptable.
- 2. Minimum size Conduit: half inch (1") diameter (trade size). Use Type THW wire for sizing conduit fill.
- 3. Conduit support spacing shall be in accordance with the 2016 California Electrical Code.
- 4. Conduits that penetrate through fire rated walls shall be sealed as required by the California Building Code, Section 714.
- 5. PVC conduit is not permitted to be installed above ground. PVC conduit shall be installed underground in sand or fine earth envelope of at least a minimum of three inches (3") all around.
- 6. All new conduit, wiring, and apparatus shown or specified shall be connected to the existing systems so as to function as complete system.

B. Conductors:

- 1. All conductors shall be installed in approved U.L. listed, electrical raceway.
- 2. Make splices for #10 AWG and smaller with insulated electrical spring connectors. Twist wires together electrically and mechanically strong before application of spring connector. Threaded wire nuts not acceptable. Joints for #8 AWG and larger shall be made with solderless tool–applied pressure lugs and connectors.

C. Installation–outlet, Junction Boxes:

- 1. Where boxes are used in connection with exposed conduit, plain covers attached to box with suitable number of countersunk flathead machine screws may be used.
- D. Pullboxes: Install with top of box flush with finished areas and one inch (1") above finished grade in landscape areas. Install two inch (2") drain hole at bottom to a to a dry well eight inches (8") diameter by thirty inches (30") deep filled with gravel. Seal all conduit terminating in pull hole watertight. Covers/lids shall be removable without damage to the adjacent finish surface.

E. Repair of Existing:

- 4. Lay out Work in advance where cutting of walls, partitions, ceilings or other surfaces is necessary for the installation, support or anchorage of the conduit, raceways, or other electrical work. Do Work carefully and repair any damage to buildings, piping or equipment by skilled mechanics of the trades involved. Seal conduit penetration through roof watertight. Seal conduit penetration through firewall in conformance with the California Building Code requirements.

F. Grounding:

- 1. Install and connect ground fittings to conform with code requirements and UL 467. Ground conductor shall be copper. Completely ground all equipment cases, motor frames, and other items to be grounded to satisfy requirements of 2013 CEC. Install bond wire in flexible conduit and in non–metallic raceway and bond to all metalic parts using approved fittings.

G. Testing and adjusting:

- 1. Furnish all labor and test equipment required for the Work of this Division. Testing work is defined as that work necessary to establish that equipment has been properly assembled, connected, and checked to verify that intent and purpose of Drawings, manufacturer's instruction instruction manuals, and directions of Architect have been accomplished in satisfactory manner.
- 2. Test all wiring continuity and grounds before any fixtures or equipment are connected. Where such tests indicate faulty installation or other defects, the fault(s) shall be located and repaired at the Contractor's expense. The repaired installation shall then be retested.
- 3. Do not allow or cause any Work installed hereunder to be covered up or enclosed before it has been inspected and accepted, Should any Work be enclosed or covered up before it has been approved, uncover such Work, and after it has been inspected and approved, make all repairs necessary to restore Work of Others to condition in which it was found at time of cutting, all at no increase in Contract Sum.
- 4. At completion of Work provide written certification that all Systems are functioning properly without defects.

Permit Set

<div>PEZZONI ENGINEERING, INC. CONSULTING ELECTRICAL ENGINEERS 1550 37th Street Suite #415 Modesto, CA 95854 PHONE: 209 254 554 4602 HTTP://WWW.PEENGR.COM PEZZONI ENGINEERING, INC. © Copyrighted 2019</div>		<div>Architect Info <b>Greenbough Design</b> 1100 Marshall Way, Placerville, CA 95667 Phone 530-693-5714 • PO Box 1359 Shingle Springs, CA 95682 • www.GreenboughDesign.com Copyright Greenbough Design 2017</div>	
Consultant Info			
Marshall Medical Center Outdoor Dining Area			
1100 Marshall Way, Placerville, CA 95667			
Revisions			
No.	Description	Date	
City of Placerville Permit No.			
Greenbough Design Project # 18022			
Drawn By		MTS	
Checked By		KP	
Issue Date		3-25-2020	
Issue Purpose		Permit Set	
<div>Consultant Stamp Professional Engineer No. 16269 Exp. 12/20 ELECTRICAL STATE OF CALIFORNIA</div>		<div>Architect Stamp Licensed Architect Michael F. Ryan No. C-28382 Exp. 3/31/21 STATE OF CALIFORNIA</div>	
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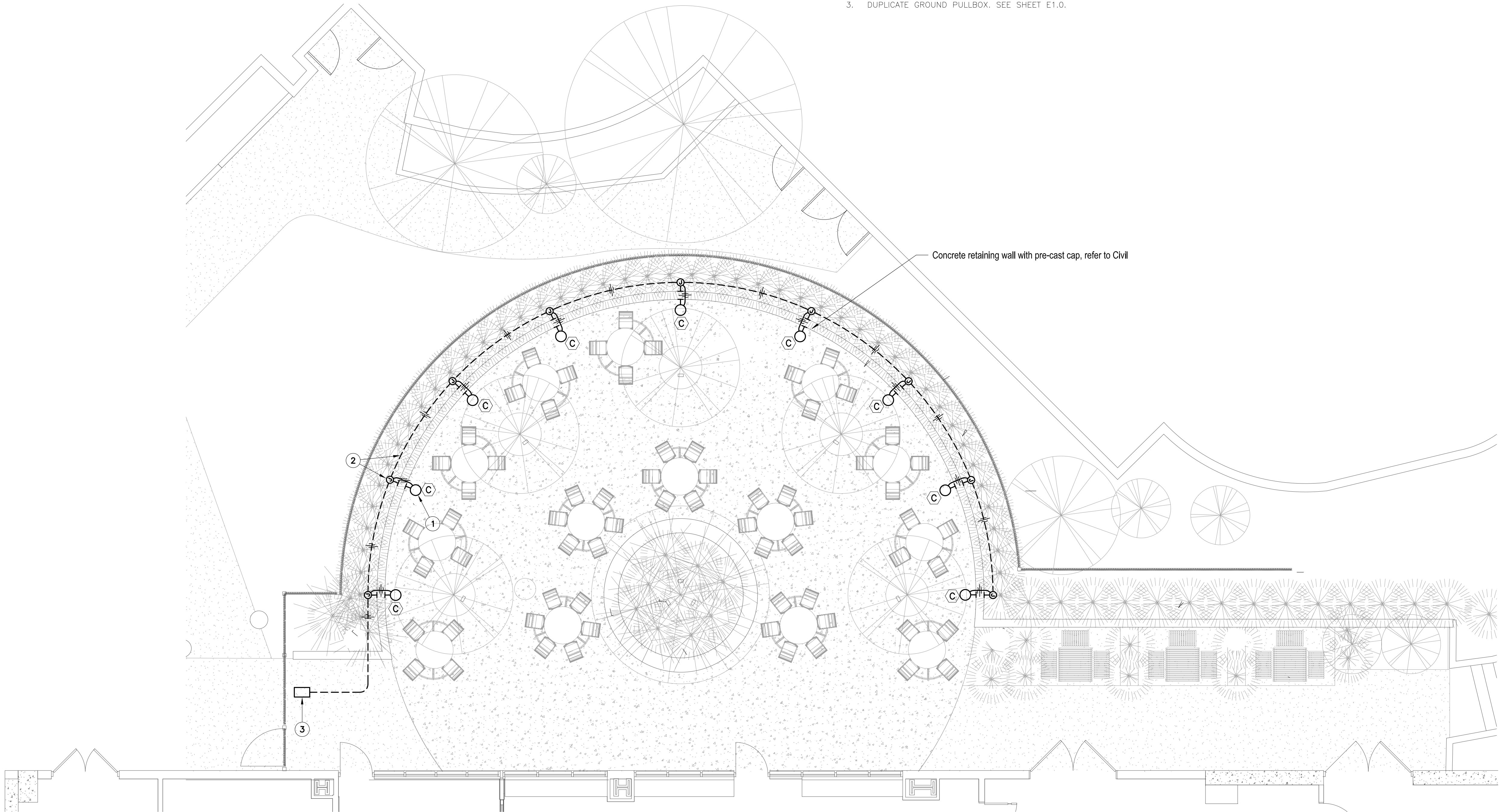


- Concrete retaining wall with pre-cast cap, refer to Civil

- Phone 530-683-6744 - PO Box 1358 Shingle Springs, CA 95682 - [www.GreenboughDesign.com](http://www.GreenboughDesign.com)

12/6/2019 9:19:48 AM





SYMBOL ##

PLAN NOTES

- 1. TYPICAL – LIGHT FIXTURE IS TO BE MOUNTED FLUSH WITH RETAINING WALL. CONTRACTOR IS REQUIRED TO PROVIDE ALL FIXTURE COMPONENTS AND HARDWARE FOR A COMPLETE INSTALLATION. COORDINATE INSTALLATION REQUIREMENTS WITH THE WALL CONSTRUCTION PRIOR TO THE EXECUTION OF WORK.
- 2. TYPICAL – MOUNT JUNCTION BOX AND CONDUIT TO BACK SIDE OF THE RETAINING WALL.
- 3. DUPLICATE GROUND PULLBOX. SEE SHEET E1.0.

SHEET NOTES

- 1. REFER TO THE GENERAL NOTES ON SHEET E0.1 FOR ADDITIONAL REQUIREMENTS.
- 2. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL LIGHT FIXTURE COMPONENTS, HARDWARE AND WIRING AS REQUIRED FOR THE COMPLETE INSTALLATION OF THE LANDSCAPE LIGHT FIXTURES AND MAKE ALL CONNECTIONS REQUIRED FOR A FULLY OPERATIONAL SYSTEM.

1 SITE PLAN - ELECTRICAL  
SCALE: 3/16"=1'-0"

Permit Set

PEZZONI  
ENGINEERING, INC.  
CONSULTING ELECTRICAL ENGINEERS  
1500 9TH Street, Suite #1415 Modesto, CA 95354  
PHONE: 209-554-4602  
HTTP://WWW.PEENGR.COM

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Consultant Info

Architect Info

Marshall Medical Center

Outdoor Dining Area

1100 Marshall Way, Placerville, CA  
95667

Revisions

No.	Description	Date

City of Placerville Permit No.

Greenbough Design Project #18022

Drawn ByMTS

Checked ByKP

Issue Date3-25-2020

Issue PurposePermit Set

Consultant Stamp

Architect Stamp

Sheet Name

Site Plan  
Electrical

Sheet Number

E1.1

Greenbough Design

1500 9TH Street, Suite #1415 Modesto, CA 95354  
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1100 Marshall Way, Placerville, CA 95667  
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12/6/2019 9:19:48 AM



KEY NOTES:

- 1
- IRRIGATION SERVICE LINE CONNECTION AS PER UTILITY PLAN, SHEET C2.2. WATER METER AND RP DEVICE ARE EXISTING AS PER EXISTING IRRIGATION SYSTEM. CONTRACTOR TO VERIFY PRIOR TO CONSTRUCTION.
- 2
- 1" IRRIGATION SERVICE LINE AS PER UTILITY PLAN, SHEET C2.2.
- 3
- 1" WATER VALVE AS PER UTILITY PLAN, SHEET C2.2.
- 4
- HOSE BIB AS PER UTILITY PLAN, SHEET C2.2.
- 5
- IRRIGATION P.O.C.- CONNECT TO 1" IRRIGATION SERVICE LINE AS REQUIRED AND INSTALL 1" IRRIGATION MAINLINE, MASTER VALVE AND FLOW SENSOR. SEE IRRIGATION LEGEND, THIS SHEET, FOR ADDITIONAL INFORMATION.
- 6
- IRRIGATION CONTROLLER. EXACT LOCATION SHALL BE DETERMINED IN THE FIELD. SEE ELECTRICAL PLAN, SHEET E1.0, FOR ADDITIONAL INFORMATION. CONTROLLER SHALL BE WALL MOUNTED . CONNECT IRRIGATION CONTROL WIRES TO VALVES AS REQUIRED. SEE IRRIGATION LEGEND AND NOTES.

WATER EFFICIENT LANDSCAPE WORKSHEET

WATER BUDGET CALCULATIONS

Reference Evapotranspiration (Eto) = 56.96

Hydrozone / Valve #	Plant Factor (PF)	Irrigation Method	Irrigation Efficiency (IE)	ETAF (PF/IE)	Landscape Area (SF)	ETAF x Area	Estimated Total Water Use (ETWU)
A-1 (MED)	.5	DRIP	.81	0.62	240	149	5,255
A-2 (MED)	.5	DRIP	.81	0.62	305	189	6,678
A-3 (LOW)	.1	DRIP	.81	0.12	880	102	3,602
A-4 (MED)	.5	DRIP	.81	0.62	190	116	4,160
				TOTALS	1,585 (A)	558 (B)	
				ETWU Total		19,695	
				Maximum Allowed Water Allowance (MAWA) (Eto) (0.62) (ETAF x LA)		25,168	
				Note: ETAF for Non-Residential projects shall be 0.45 or below.			

ETAF Calculation

Total ETAF x Area	(B)	588
Total Area	(A)	1,585
Average ETAF	B÷A	0.371

DRIP EMITTER INSTALLATION NOTES

1.
- ALL 1/2" POLY TUBING AND ON-SURFACE DRIPLINES SHALL BE INSTALLED ON GRADE AND STAKED TO FINISH GRADE WITH HEAVY GUAGE METAL U-SHAPED STAPLES /ANCHOR PINS AT 3' O.C. TYP.
2.
- INSTALL 1/4" DISTRIBUTION TUBING FROM 1/2" POLY TUBING TO EMITTER AT ROOTBALL OF PLANT MATERIAL, TYP.
3.
- 1/4" DISTRIBUTION TUBING FROM 1/2" POLY DRIP TUBING TO EMITTERS SHALL HAVE A MAXIMUM LENGTH OF 3', TYP. ADJUST LOCATION OF 1/2" POLY TUBING AS REQUIRED TO MAINTAIN A 3" MAXIMUM LENGTH OF 1/4" DISTRIBUTION TUBING.
4.
- INSTALL 2" LENGTH OF 1/4" DISTRIBUTION TUBING ON BARBED OUTLET OF EMITTER AND INSTALL RAINBIRD DBC-025 DIFFUSER BUG CAP AT END.
5.
- SECURE 1/4" DISTRIBUTION TUBING WITH 1/4" TUBING STAKE AS REQUIRED. SEE DETAILS FOR MORE INFORMATION.

ROOT BARRIER NOTE:

INSTALL NDS (SM-1820) LINEAR ROOT BARRIER SHEET MATERIAL (18" DEEP) FOR ALL TREES PLANTED WITHIN 5' OF PAVING  
INSTALL ROOT BARRIER AT EDGE OF PAVING, TYP.

IRRIGATION LEGEND

SYMBOL	MANU.	MODEL	DESCRIPTION
	RAIN BIRD	XCZ-LF-100-PRF	DRIP VALVE- LOW FLOW CONTROL ZONE KIT WITH PR FILTER (1" LFV VALVE AND 1" PR RBY FILTER) FLOW: .2 TO 10 GPM
	HUNTER	ICV-101G	MASTER VALVE FOR AUTOMATIC SHUTOFF
	HUNTER	FLOW-SYNC, MODEL: HFS.	FLOW-SYNC SENSOR WITH RECEPTACLE TEE FOR AUTOMATIC SHUTOFF. INSTALL WITH FCT-100 TEE
	RAIN BIRD	44 LRC	QUICK COUPLING VALVE WITH # 2049 COVER KEY
	HUNTER	I-CORE Model: IC-600-M	WALL MOUNTED (OUTDOOR) IRRIGATION CONTROLLER (6 STATIONS). CONTROLLER SHALL BE INSTALLED WITH HUNTER WIRELESS SOLAR SYNC SENSOR AS PER MANUFACTURE'S SPECIFICATIONS. SEE ELECTRICAL PLANS FOR P.O.C.
	RAIN BIRD	RWS-M	ROOT WATERING UNIT (4" DIA X 18" LENGTH) WITH VANDAL RESISTANT LOCKING GRATE. INSTALL 1/4" DISTRIBUTION TUBING AND EMITTER IN EACH UNIT AS REQUIRED. INSTALL 2 RWS UNITS PER TREE ADJACENT TO ROOTBALL ON EACH SIDE OF TREE, TYPICAL.
	RAIN BIRD	XBS	1/2" POLY TUBING
	SLEEVES- SCHEDULE 40 PVC (4" SIZE)		
	LATERAL - SCHEDULE 40 PVC (3/4")		
	MAINLINE - SCH. 40 PVC (1" SIZE)		

DRIP EMITTER SCHEDULE FOR TREES, SHRUBS AND GROUNDCOVERS

EMITTERS SHALL BE RAINBIRD 'XB SERIES' AND 'PC SERIES'. EMITTERS SHALL BE INSTALLED BASED ON WATER USE OF PLANT MATERIAL. SEE PLANT LEGEND FOR WATER USE DESIGNATION. ALL PLANT MATERIAL SHALL HAVE TWO OR THREE EMITTERS AS PER THE EMITTER SCHEDULE. SHRUBS AND GROUNDCOVERS: BOTH EMITTERS SHALL BE PLACED WITHIN WATERING BASIN AND ONE EMITTER SHALL BE PLACED DIRECTLY OVER ROOTBALL OF PLANT MATERIAL, TYPICAL.

LOW WATER USE PLANT MATERIAL:  
1 & 2 GALLON SHRUBS AND GROUND COVERS-INSTALL TWO XB-10 PC (2 GPH TOTAL)  
5 GALLON SHRUBS-INSTALL TWO XB-20 PC (4 GPH TOTAL)

MEDIUM WATER USE PLANT MATERIAL:  
1 & 2 GALLON SHRUBS AND GROUND COVERS-INSTALL ONE XB-10 PC AND ONE XB-20 PC (3 GPH TOTAL)  
5 GALLON SHRUBS-INSTALL ONE PC-05 AND ONE XB-20 PC (7 GPH TOTAL)

TREES:  
24" BOX AND 36" BOX TREES-INSTALL FOUR PC-05 (20 GPH TOTAL) INSTALL ONE EMITTER IN EACH RWS UNIT AND TWO EMITTERS OVER ROOTBALL OF TREE, TYP.

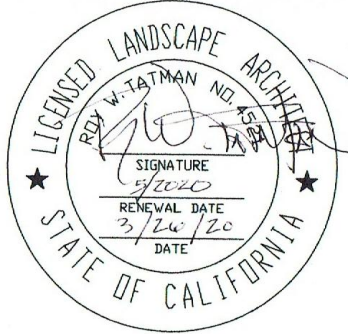
4.8 GPM  
A-1  
3/4"

GALLONS PER MINUTE  
CONTROLLER AND STATION NUMBER  
REMOTE CONTROL VALVE SIZE

MINIMUM OPERATING PRESSURE NOTE:

MINIMUM OPERATING PRESSURE FOR DRIP VALVES IS 20 PSI.

CJF Consulting  
4221 62nd Street  
Sacramento, Ca. 95820  
Phone 916-698-2757



I have complied with the criteria of the Water Efficient Landscape Ordinance and applied them accordingly for the efficient use of water in the landscape design plan.

Roy Tatman

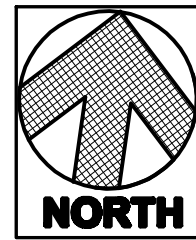
Roy Tatman

ISSUES/REVISIONS

3	3/26/20	PLAN REVIEW SUBMITTAL
2	2/19/20	IRRIGATION LOW FLOW VALVE REV
1	2/13/20	REVIEW/BID

NO. DATE DESCRIPTION

Marshall Medical Center  
Outdoor Dining Area  
1100 Marshall Way  
Placerville, Ca. 95667

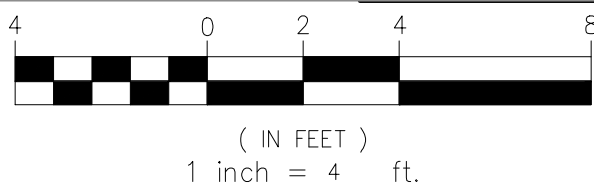


DRAWN BY: CF  
DESIGNED BY: CF/RT  
CHECKED BY: RT  
APPROVED BY:  
PROJECT NUMBER: 2375  
SCALE: 1/4"=1'-0"

Irrigation Plan

NOTE:

SEE SHEET L-3 FOR IRRIGATION DETAILS, NOTES AND SCHEDULES.



L-1



NOTE: SEE IRRIGATION PLAN, SHEET L-1, FOR  
WATER EFFICIENT LANDSCAPE WORKSHEET

ROOT BARRIER NOTE:

INSTALL NDS (SM-1820) LINEAR ROOT BARRIER SHEET MATERIAL  
(18" DEEP) FOR ALL TREES PLANTED WITHIN 8' OF PAVING  
INSTALL ROOT BARRIER AT EDGE OF PAVING, TYP.

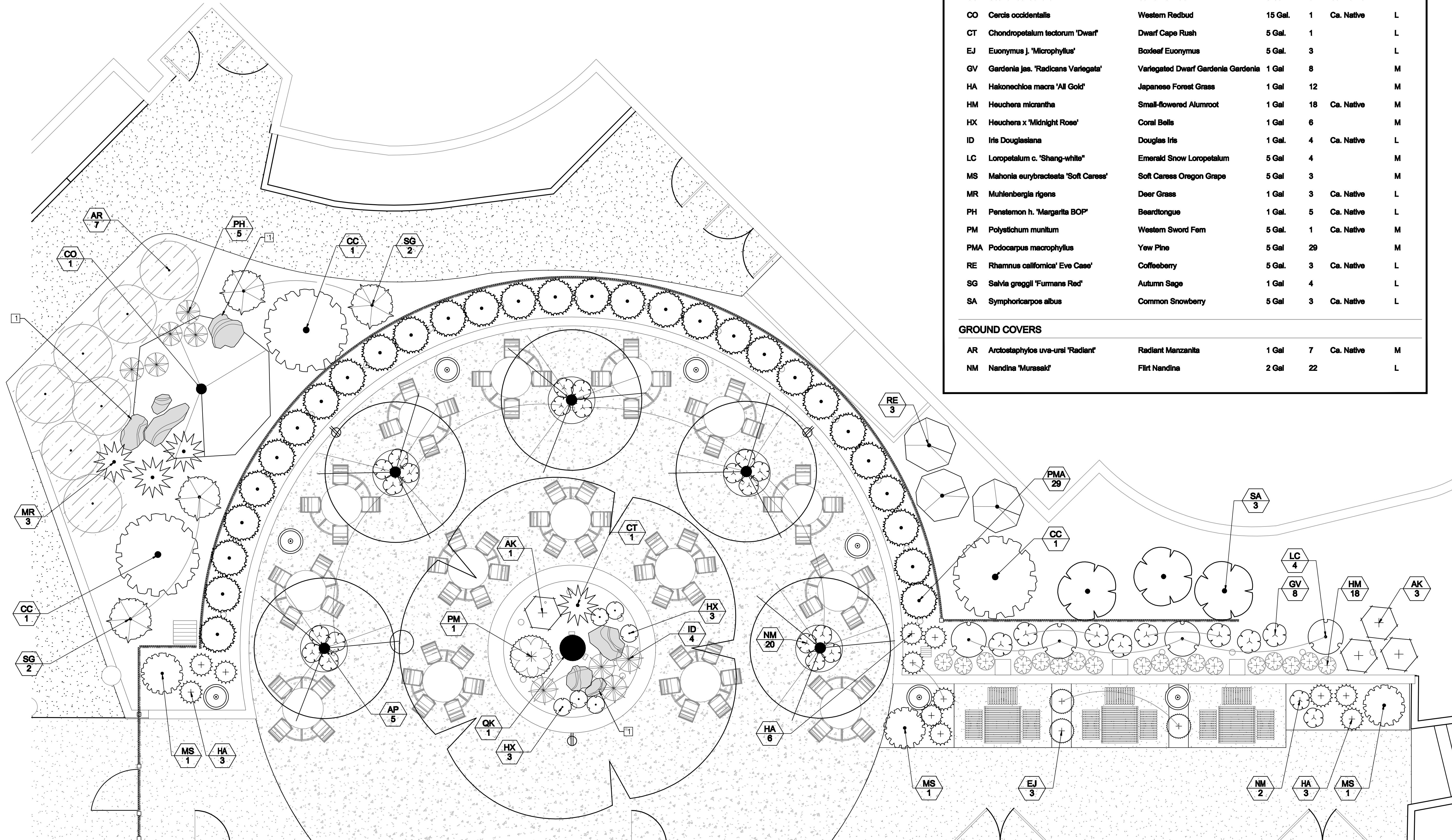
KEY NOTES:

KEY

1 INSTALL BOULDER GROUPINGS (SIZE AND QUANTITY) AS SHOWN ON PLAN.  
TYPE OF BOULDER TO BE DETERMINED AND APPROVED BY LANDSCAPE  
ARCHITECT PRIOR TO INSTALLATION. BOULDER LAYOUT IS DIAGRAMMATIC.  
INSTALL BASE OF BOULDER BELOW GRADE TO PROVIDE A NATURAL  
APPEARANCE. BOULDERS SHALL VARY IN SIZE AS AVAILABLE.  
MAXIMUM SIZE APPROXIMATELY 48" DIA. EXACT PLACEMENT TO BE  
DETERMINED IN THE FIELD.

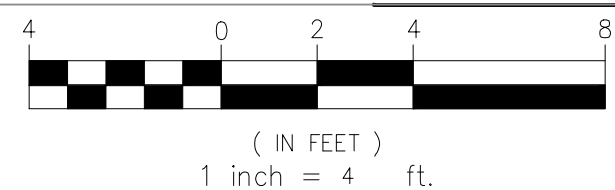
PLANT LEGEND

ABBR.	BOTANICAL NAME	COMMON NAME	SIZE	QTY.	NOTE	WATER USE
TREES						
AP	Acer palmatum 'Seiryu' Alternate: Acer palmatum 'Sango Kaku'	Seiryu Japanese Maple Coral Bark Japanese Maple	24" Box	5		M
QK	Quercus kelloggii	California Black Oak	36" Box	1	Ca. Native	M
SHRUBS, PERENNIALS & GRASSES						
AK	Abelia g. 'Kaleidoscope'	Gold Variegated Abelia	1 Gal	4		M
CC	Ceanothus 'Concha'	California Lilac	5 Gal.	3	Ca. Native	L
CO	Cercis occidentalis	Western Redbud	15 Gal.	1	Ca. Native	L
CT	Chondropetalum tectorum 'Dwarf'	Dwarf Cape Rush	5 Gal.	1		L
EJ	Euonymus j. 'Microphyllus'	Boxleaf Euonymus	5 Gal.	3		L
GV	Gardenia jas. 'Radicans Variegata'	Variegated Dwarf Gardenia	1 Gal	8		M
HA	Hakonechloa macro 'All Gold'	Japanese Forest Grass	1 Gal	12		M
HM	Heuchera micrantha	Small-flowered Alumroot	1 Gal	18	Ca. Native	M
HX	Heuchera x 'Midnight Rose'	Coral Bells	1 Gal	6		M
ID	Iris Douglasiana	Douglas Iris	1 Gal.	4	Ca. Native	L
LC	Loropetalum c. 'Shang-white'	Emerald Snow Loropetalum	5 Gal	4		M
MS	Mahonia eurybracteata 'Soft Caress'	Soft Caress Oregon Grape	5 Gal	3		M
MR	Muhlenbergia rigens	Deer Grass	1 Gal	3	Ca. Native	L
PH	Penstemon h. 'Margarita BOP'	Beardtongue	1 Gal.	5	Ca. Native	L
PM	Polystichum munitum	Western Sword Fern	5 Gal.	1	Ca. Native	M
PMA	Podocarpus macrophyllus	Yew Pine	5 Gal	29		M
RE	Rhamnus californica 'Eve Case'	Coffeeberry	5 Gal.	3	Ca. Native	L
SG	Salvia greggii 'Fumans Red'	Autumn Sage	1 Gal	4		L
SA	Symphoricarpos albus	Common Snowberry	5 Gal	3	Ca. Native	L
GROUND COVERS						
AR	Arctostaphylos uva-ursi 'Radiant'	Radiant Manzanita	1 Gal	7	Ca. Native	M
NM	Nandina 'Murasaki'	Flirt Nandina	2 Gal	22		L

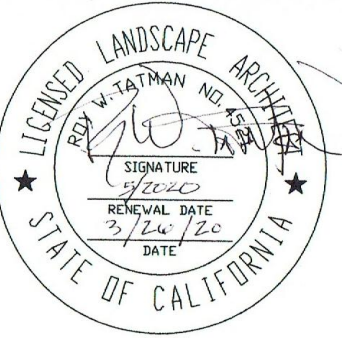


NOTE:

SEE SHEET L-4 FOR PLANTING DETAILS, NOTES, SOILS REPORT & RECOMMENDATIONS.



CJF Consulting  
4221 62nd Street  
Sacramento, Ca. 95820  
Phone 916-698-2757



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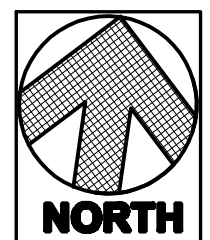
*Roy Tatman*  
Roy Tatman

ISSUES/REVISIONS

3	3/26/20	PLAN REVIEW SUBMITTAL
2	2/13/20	REVIEW/BID
1	1/10/20	PRELIMINARY_CLIENT_REVIEW

NO. DATE DESCRIPTION

**Marshall Medical Center  
Outdoor Dining Area**  
1100 Marshall Way  
Placerville, Ca. 95667



DRAWN BY: CF  
DESIGNED BY: CF/RT  
CHECKED BY: RT  
APPROVED BY:  
PROJECT NUMBER: 2375  
SCALE: 1/4"=1'-0"

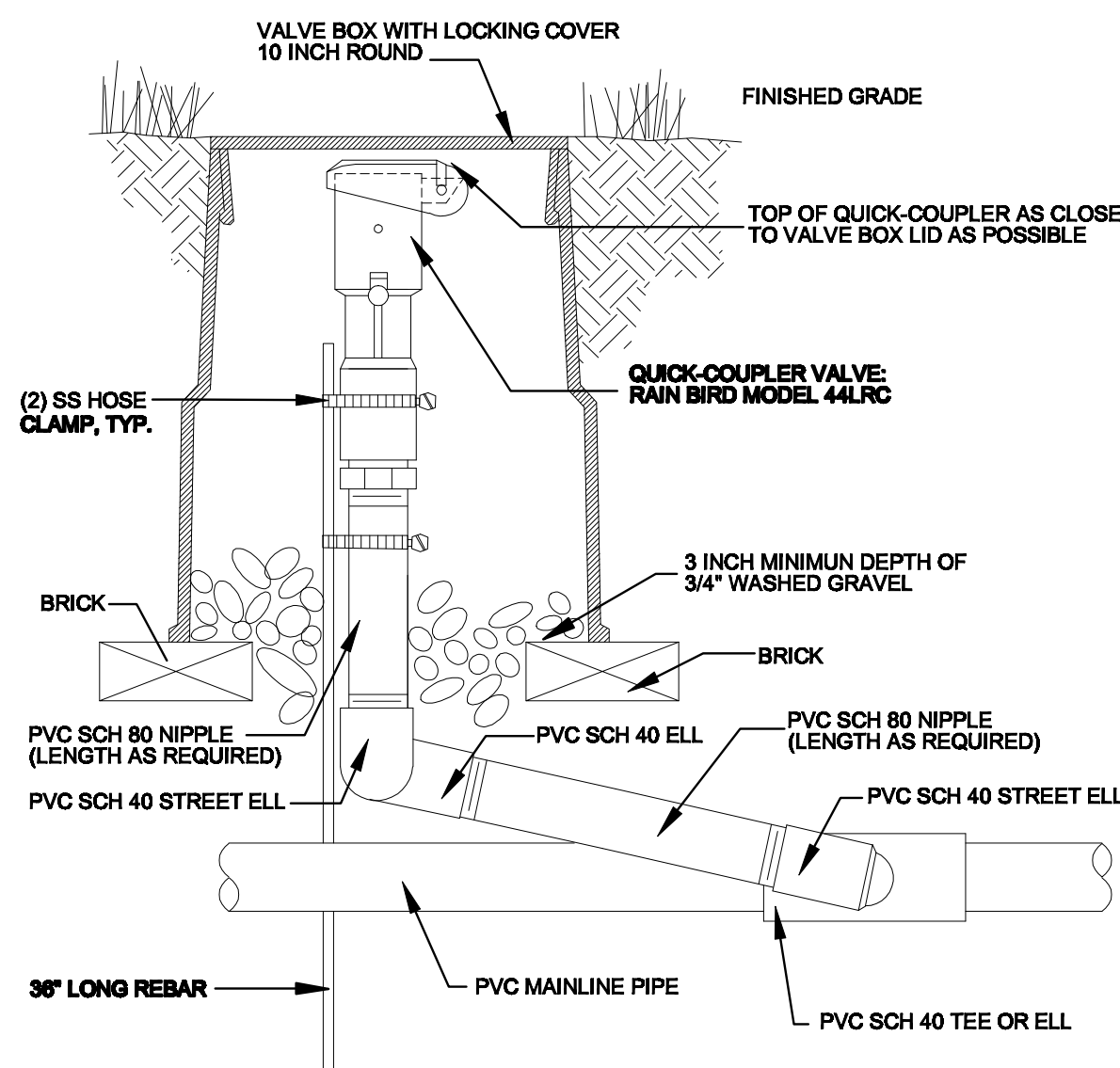
Planting Plan

L-2

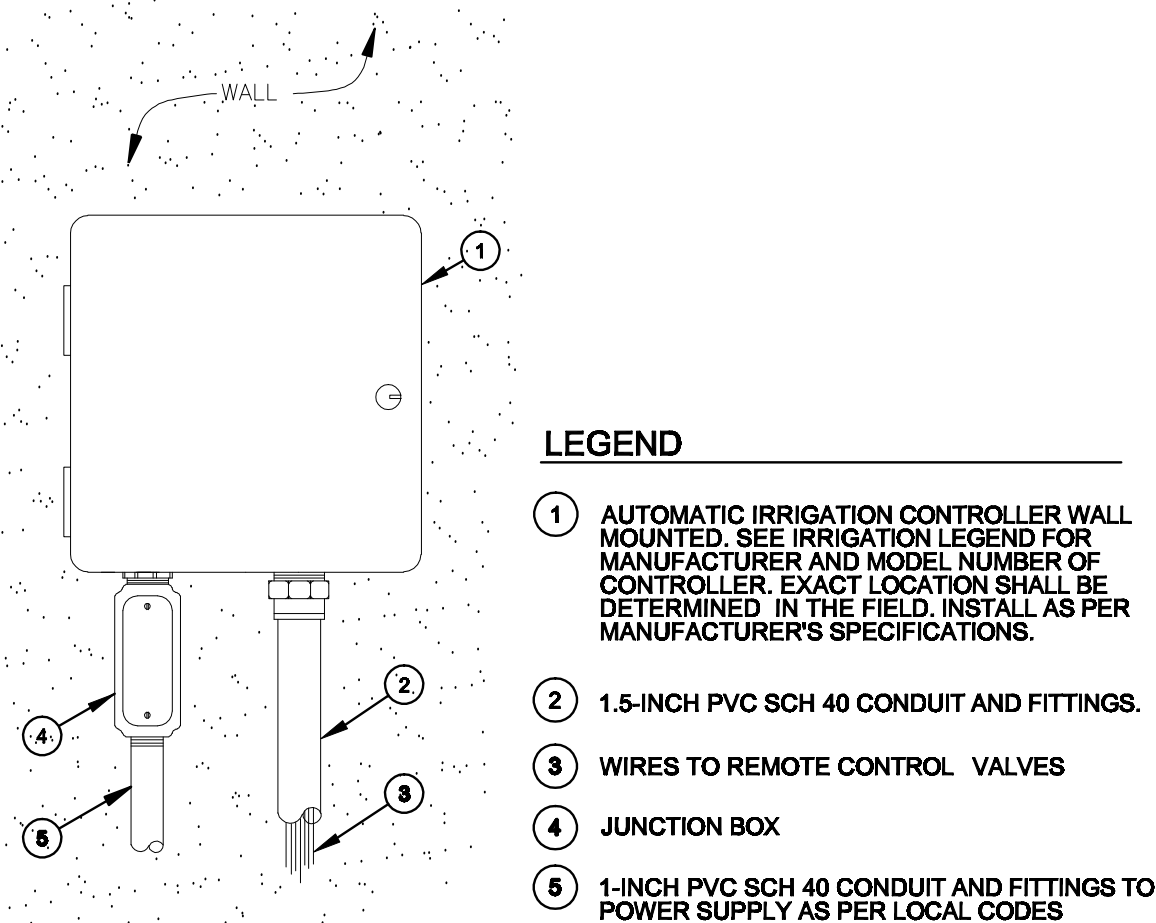


- 
- PLANTER FINISH GRADE**
- PAVEMENT FINISH SURFACE**
- 18" MIN.**
- 6" MIN.**
- 12" MIN.**
- 24" MIN.**
- LATERAL**
- LATERAL IN PVC SLEEVE (TYP.)**
- CONTROL WIRE TAPE TAPPED TO IRRIGATION MAINLINE (TYP.)**
- MAINLINE IN PVC SLEEVE (TYP.)**
- BACKFILL COMPACTED TO 90% R.D.**
- IRRIGATION MAINLINE**
- TRENCH IN PLANTER**
- TRENCH UNDER PAVEMENT**

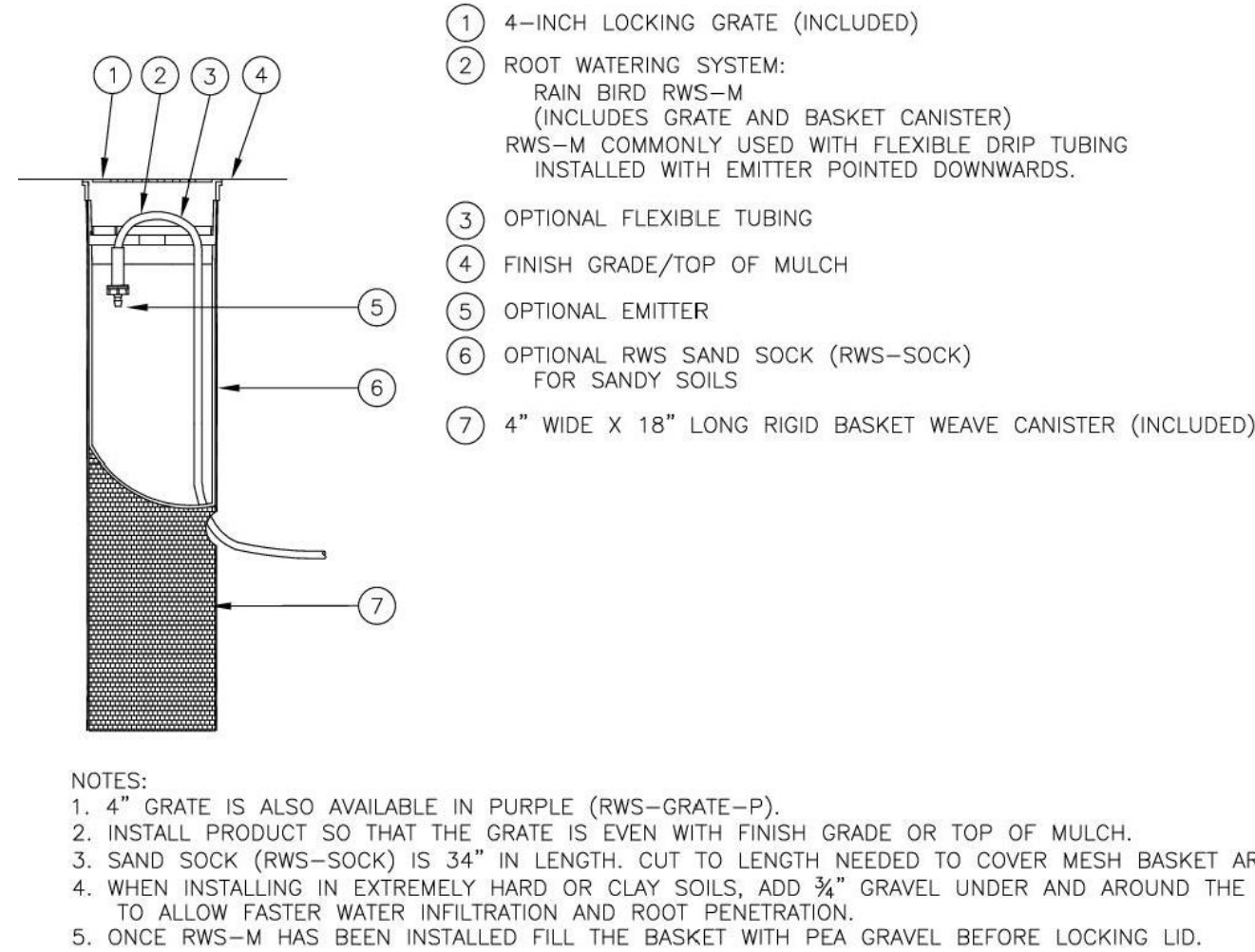
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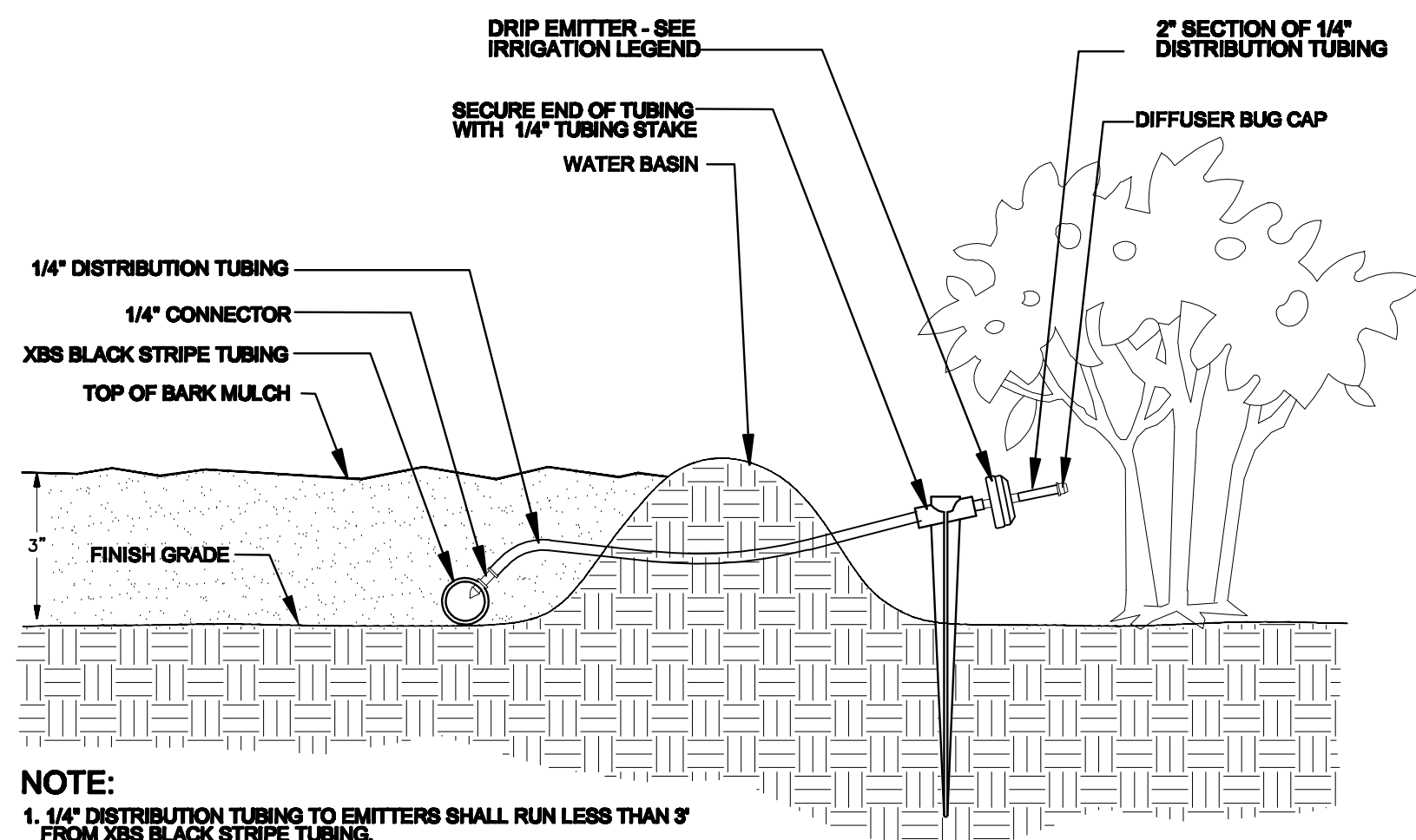
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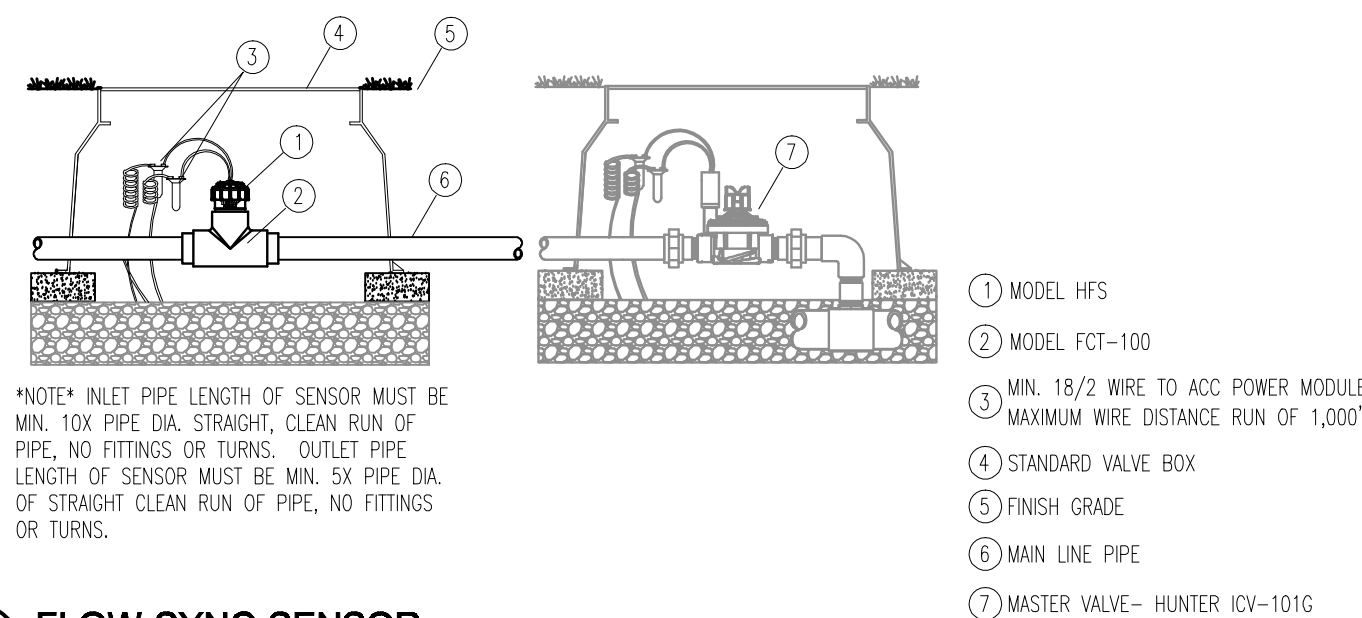
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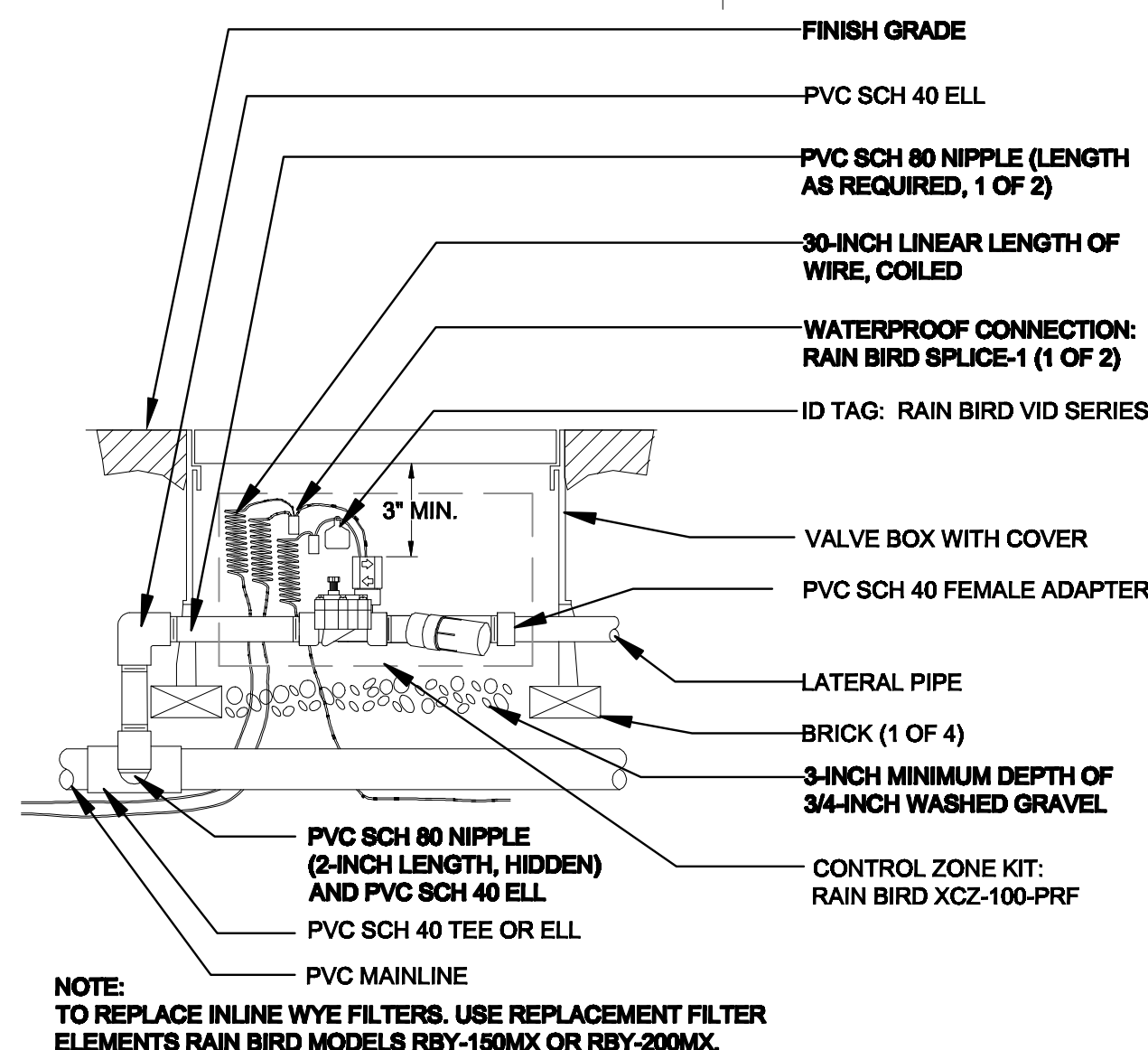
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NOT TO SCALE



NOT TO SCALE



NOT TO SCALE

22. INSTALL ADDITIONAL IN-LINE CHECK VALVES IN ALL LOCATIONS AS REQUIRED TO PREVENT LOW HEAD DRAINAGE.

### ESTABLISHMENT IRRIGATION SCHEDULE



**PENDING**

**I have complied with the criteria of the Water Efficient Landscape Ordinance and applied them accordingly for the efficient use of water in the irrigation design plan.**

*[Signature]*

**Roy Tatman**

ISSUES/REVISIONS

2 3/26/20 PLAN\_REVIEW\_SUBMITTAL

1 2/13/20 REVIEW/BID

NO.	DATE	DESCRIPTION
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**Marshall Medical Center  
Outdoor Dining Area  
1100 Marshall Way  
Placerville, Ca. 95667**

DRAWN BY: CF	DESIGNED BY: CF/RT	CHECKED BY: RT	APPROVED BY:
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PROJECT NUMBER: 2375  
SCALE: NTS

## Irrigation Details, Notes and Irrigation Schedules

# L-3



