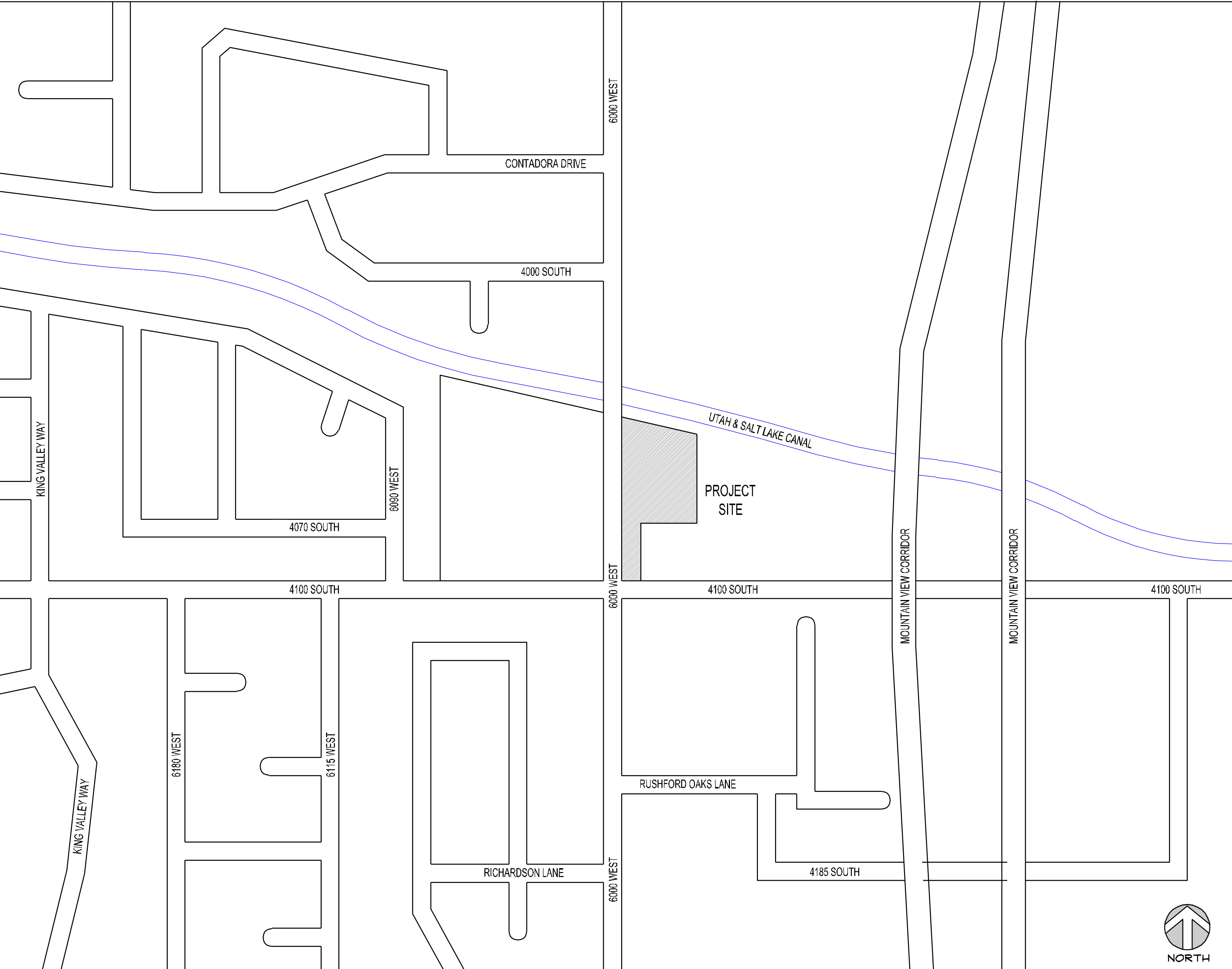


Project:

WESTVIEW PARK EXPANSION

BID SET

4059 SOUTH 6000 WEST
WEST VALLEY CITY, UTAH



DRAWING INDEX		
INC.	SHEET	SHEET TITLE
■	L-CS	COVER SHEET
■	L-D101	DEMOLITION PLAN
■	L-D102	DEMOLITION PLAN
■	L-D103	DEMOLITION PLAN
■	L-D104	DEMOLITION PLAN
■	L-D501	EROSION CONTROL NOTES & DETAILS
■	L-G101	GRADING AND DRAINAGE PLAN
■	L-G102	GRADING AND DRAINAGE PLAN
■	L-G103	GRADING AND DRAINAGE PLAN
■	L-G104	GRADING AND DRAINAGE PLAN
■	EG101	ELECTRICAL SYMBOLS AND DETAILS
■	ES101	ELECTRICAL SITE PLAN
■	ES102	ELECTRICAL SITE PLAN
■	ES103	ELECTRICAL SITE PLAN
■	ES104	ELECTRICAL SITE PLAN
■	ES102	ELECTRICAL SITE ILLUMINATION PLAN
■	L-M101	MATERIALS AND LAYOUT PLAN
■	L-M102	MATERIALS AND LAYOUT PLAN
■	L-M103	MATERIALS AND LAYOUT PLAN
■	L-M104	MATERIALS AND LAYOUT PLAN
■	L-M501	SITE DETAILS
■	L-M502	SITE DETAILS
■	L-R101	IRRIGATION PLAN
■	L-R102	IRRIGATION PLAN
■	L-R103	IRRIGATION PLAN
■	L-R104	IRRIGATION PLAN
■	L-R501	IRRIGATION DETAILS
■	L-R502	IRRIGATION DETAILS
■	L-L101	LANDSCAPE PLAN
■	L-L102	LANDSCAPE PLAN
■	L-L103	LANDSCAPE PLAN
■	L-L104	LANDSCAPE PLAN
■	L-L501	LANDSCAPE DETAILS

ArcSitio
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date
March 8, 2024

revisions

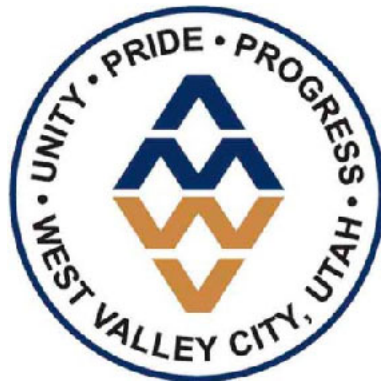
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title
COVER
SHEET

sheet
L-CS

PROJECT TEAM

Owner



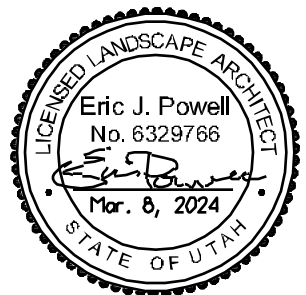
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Contact: Jason Erikson, Parks Superintendent
3600 South Constitution Blvd.
West Valley City, Utah 84119
801.955.4006

Landscape
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Contact: Eric Powell
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Electrical
Engineer
Envision Engineering

Contact: Scott Kingery
240 East Morris Ave., Suite 200
Salt Lake City, Utah
801.534.1130



	PROPERTY BOUNDARY		EXISTING WATER MANHOLE
	EASEMENT LINE		EXISTING CATCH BASIN
	EXISTING POWER LINE		EXISTING WATER METER
	EXISTING STORM DRAIN LINE		EXISTING LIGHT POLE
	EXISTING SEWER LINE		EXISTING ELECTRICAL BOX
	EXISTING WATER LINE		EXISTING CABLE TV BOX
	EXISTING TELEPHONE LINE		EXISTING WATER VALVE
	EXISTING GAS LINE		EXISTING FIRE HYDRANT
	EXISTING CHAIN LINK FENCE		EXISTING GUY WIRE
	EXISTING CURB & GUTTER		EXISTING SIGN
	EXISTING CONCRETE		EXISTING MAJOR CONTOUR LINE
	EXISTING POWER POLE		EXISTING MINOR CONTOUR LINE
	EXISTING SEWER MANHOLE		
	EXISTING STORM DRAIN MANHOLE		

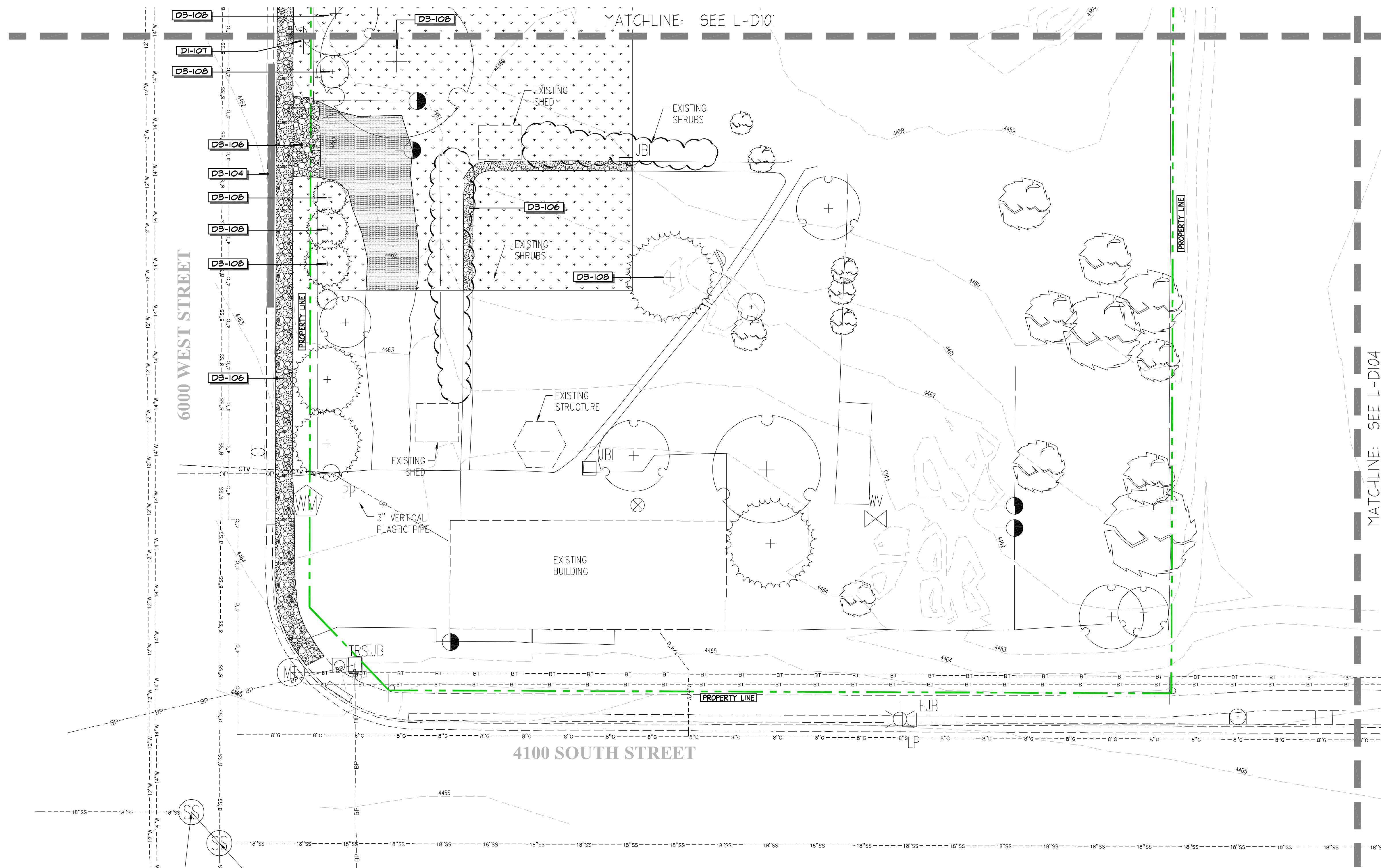
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7. CONTRACTOR SHALL PROVIDE METAL PLATE OR ROAD BASE FOR TEMPORARY ACCESS TO ALL DRIVES DURING CONSTRUCTION.
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SEE SHEET L-D501, DETAIL-C FOR EROSION CONTROL NOTES

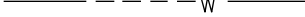
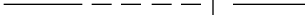
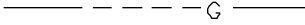
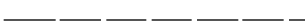
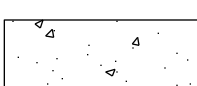
DEMOLITION: PROTECT-IN-PLACE DESCRIPTION		QTY
<u>D-102</u>	CONCRETE CURB AND GUTTER	
<u>D-103</u>	UTILITY EQUIPMENT	
<u>D-104</u>	ASPHALT PAVING	
<u>D-105</u>	STORM DRAINAGE SYSTEM	
<u>D-106</u>	COLLAPSIBLE BOLLARD	
<u>D-107</u>	SIGNAGE	
DEMOLITION: REMOVE AND DISCARD DESCRIPTION		QTY
<u>D3-101</u>	VEGETATION - INCLUDE REMOVAL OF ASSOCIATED BARK MULCH AND/OR NEED BARRIER FABRIC WHERE PRESENT.	43,764 sf
<u>D3-102</u>	REMOVE WATER VALVE AND PIPING AFFECTED BY PROPOSED IMPROVEMENTS	
<u>D3-103</u>	GRAVEL	1,028 sf
<u>D3-104</u>	CONCRETE CURB AND GUTTER	141 lf
<u>D3-106</u>	CONCRETE PAVING (APPROX. 5" THICK) - PROVIDE SAWCUTTING WHERE NECESSARY	2,314 sf
<u>D3-108</u>	TREE - INCLUDE STUMP GRINDING TO A DEPTH OF 36"	

 NORTH

 SCALE: 1" = 16'-0"



LEGEND

	PROPERTY BOUNDARY		EXISTING WATER MANHOLE
	EASEMENT LINE		EXISTING CATCH BASIN
	EXISTING POWER LINE		EXISTING WATER METER
	EXISTING STORM DRAIN LINE		EXISTING LIGHT POLE
	EXISTING SEWER LINE		EXISTING ELECTRICAL BOX
	EXISTING WATER LINE		EXISTING CABLE TV BOX
	EXISTING TELEPHONE LINE		EXISTING WATER VALVE
	EXISTING GAS LINE		EXISTING FIRE HYDRANT
	EXISTING CHAIN LINK FENCE		EXISTING GUY WIRE
	EXISTING CURB & GUTTER		EXISTING SIGN
	EXISTING CONCRETE		EXISTING MAJOR CONTOUR LINE
	EXISTING POWER POLE		EXISTING MINOR CONTOUR LINE
	EXISTING SEWER MANHOLE		
	EXISTING STORM DRAIN MANHOLE		

DEMOLITION NOTES

1. ALL ITEMS NOTED TO BE "REMOVED" SHALL BE PROPERLY DISPOSED OF, UNLESS NOTED OTHERWISE TO BE SALVAGED, RE-INSTALLED, AND/OR CONVERTED TO "OWNER".
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EROSION CONTROL NOTES

SEE SHEET L-DS01, DETAIL-C FOR EROSION CONTROL NOTES

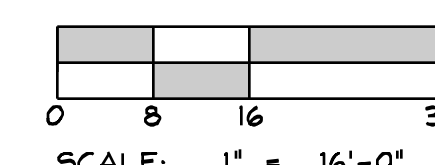
REFERENCE SCHEDULE NOTES

DEMOLITION: PROTECT-IN-PLACE		2024-03-06
<u>SYMBOL</u>	<u>DESCRIPTION</u>	<u>QTY</u>
<u>D-102</u>	CONCRETE CURB AND GUTTER	
<u>D-103</u>	UTILITY EQUIPMENT	
<u>D-104</u>	ASPHALT PAVING	
<u>D-105</u>	STORM DRAINAGE SYSTEM	
<u>D-106</u>	COLLAPSIBLE BOLLARD	
<u>D-107</u>	SIGNAGE	
<u>SYMBOL</u>	<u>DEMOLITION: REMOVE AND DISCARD</u> <u>DESCRIPTION</u>	<u>QTY</u>
<u>D-3-01</u>	VEGETATION - INCLUDE REMOVAL OF ASSOCIATED BARK MULCH AND/OR NEED BARRIER FABRIC WHERE PRESENT.	43,764 sf
<u>D-3-02</u>	REMOVE WATER VALVE AND PIPING AFFECTED BY PROPOSED IMPROVEMENTS	
<u>D-3-03</u>	GRAVEL	1,020 sf
<u>D-3-04</u>	CONCRETE CURB AND GUTTER	141 lf
<u>D-3-06</u>	CONCRETE PAVING (APPROX. 5" THICK) - PROVIDE SAWCUTTING WHERE NECESSARY	2,574 sf
<u>D-3-08</u>	TREE - INCLUDE STUMP GRINDING TO A DEPTH OF 36"	

SCALE & NORTH ARROW



NORTH



SCALE: 1" = 16'-0"

project

West View Park Expansion

4059 South 6000 West
West Valley City, UT

date

March 8, 2024

revisions

data

asd project no

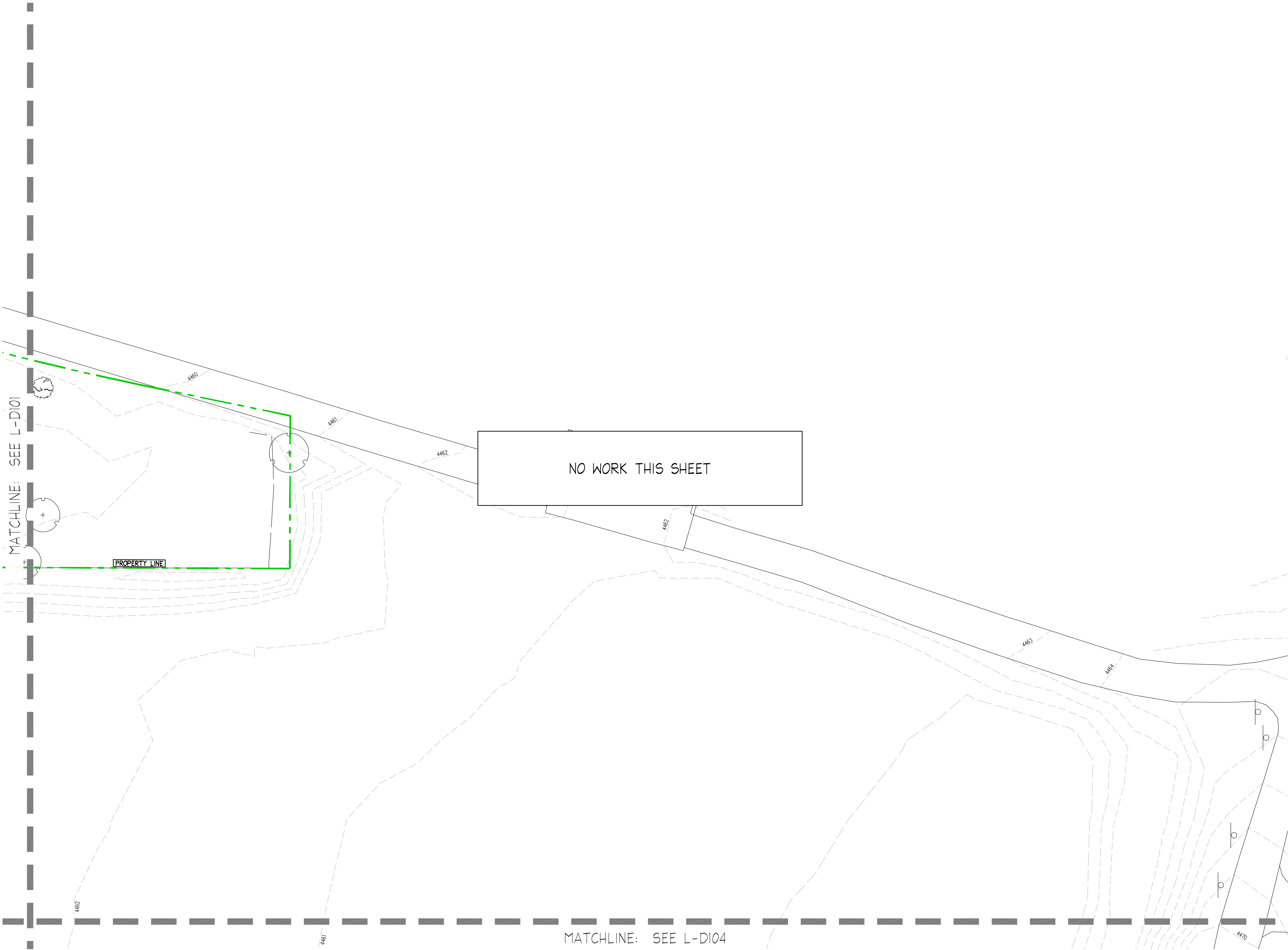
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DEMOLITION
PLAN

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L-D102

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LEGEND

---	PROPERTY BOUNDARY	(W)	EXISTING WATER MANHOLE
---	EASEMENT LINE	---	EXISTING CATCH BASIN
---P---	EXISTING POWER LINE	(WW)	EXISTING WATER METER
---SD---	EXISTING STORM DRAIN LINE	(LP)	EXISTING LIGHT POLE
---SS---	EXISTING SEWER LINE	(E.B.)	EXISTING ELECTRICAL BOX
---W---	EXISTING WATER LINE	(CTB)	EXISTING CABLE TV BOX
---T---	EXISTING TELEPHONE LINE	(KV)	EXISTING WATER VALVE
---G---	EXISTING GAS LINE	(F)	EXISTING FIRE HYDRANT
---	EXISTING CHAIN LINK FENCE	(GUY)	EXISTING GUY WIRE
---	EXISTING CURB & GUTTER	(S)	EXISTING SIGN
(C)	EXISTING CONCRETE	XXXX'	EXISTING MAJOR CONTOUR LINE
(PP)	EXISTING POWER POLE	----	EXISTING MINOR CONTOUR LINE
(SM)	EXISTING SEWER MANHOLE		
(SD)	EXISTING STORM DRAIN MANHOLE		

DEMOLITION NOTES

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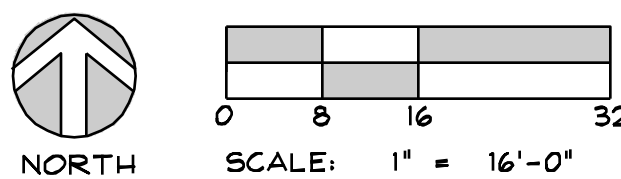
EROSION CONTROL NOTES

SEE SHEET L-D501, DETAIL-C FOR EROSION CONTROL NOTES

REFERENCE SCHEDULE NOTES

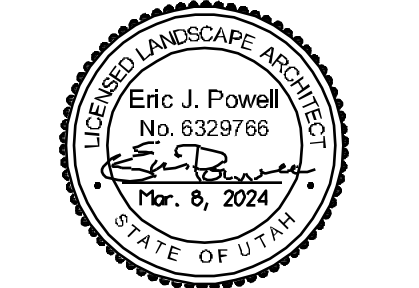
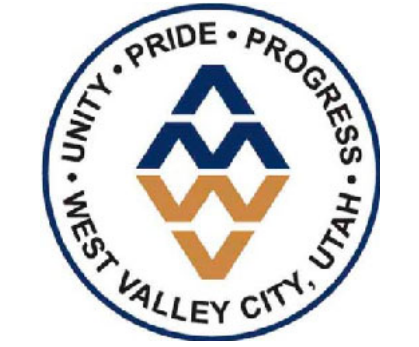
SYMBOL	DEMOLITION: PROTECT-IN-PLACE DESCRIPTION	QTY
(DI-02)	CONCRETE CURB AND GUTTER	
(DI-03)	UTILITY EQUIPMENT	
(DI-04)	ASPHALT PAVING	
(DI-05)	STORM DRAINAGE SYSTEM	
(DI-06)	COLLAPSIBLE BOLLARD	
(DI-07)	SIGNAGE	
SYMBOL	DEMOLITION: REMOVE AND DISCARD DESCRIPTION	QTY
(DS-101)	VEGETATION - INCLUDE REMOVAL OF ASSOCIATED BARK MULCH AND/OR NEED BARRIER FABRIC WHERE PRESENT.	43,764 sf
(DS-102)	REMOVE WATER VALVE AND PIPING AFFECTED BY PROPOSED IMPROVEMENTS	
(DS-103)	GRAVEL	1,028 sf
(DS-104)	CONCRETE CURB AND GUTTER	141 lf
(DS-106)	CONCRETE PAVING (APPROX. 5" THICK) - PROVIDE SANCUTTING WHERE NECESSARY	2,579 sf
(DS-108)	TREE - INCLUDE STUMP GRINDING TO A DEPTH OF 36"	

SCALE & NORTH ARROW



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consultant:

BID SET

project
**West View
Park
Expansion**

4059 South 6000 West
West Valley City, UT

date
March 8, 2024

revisions

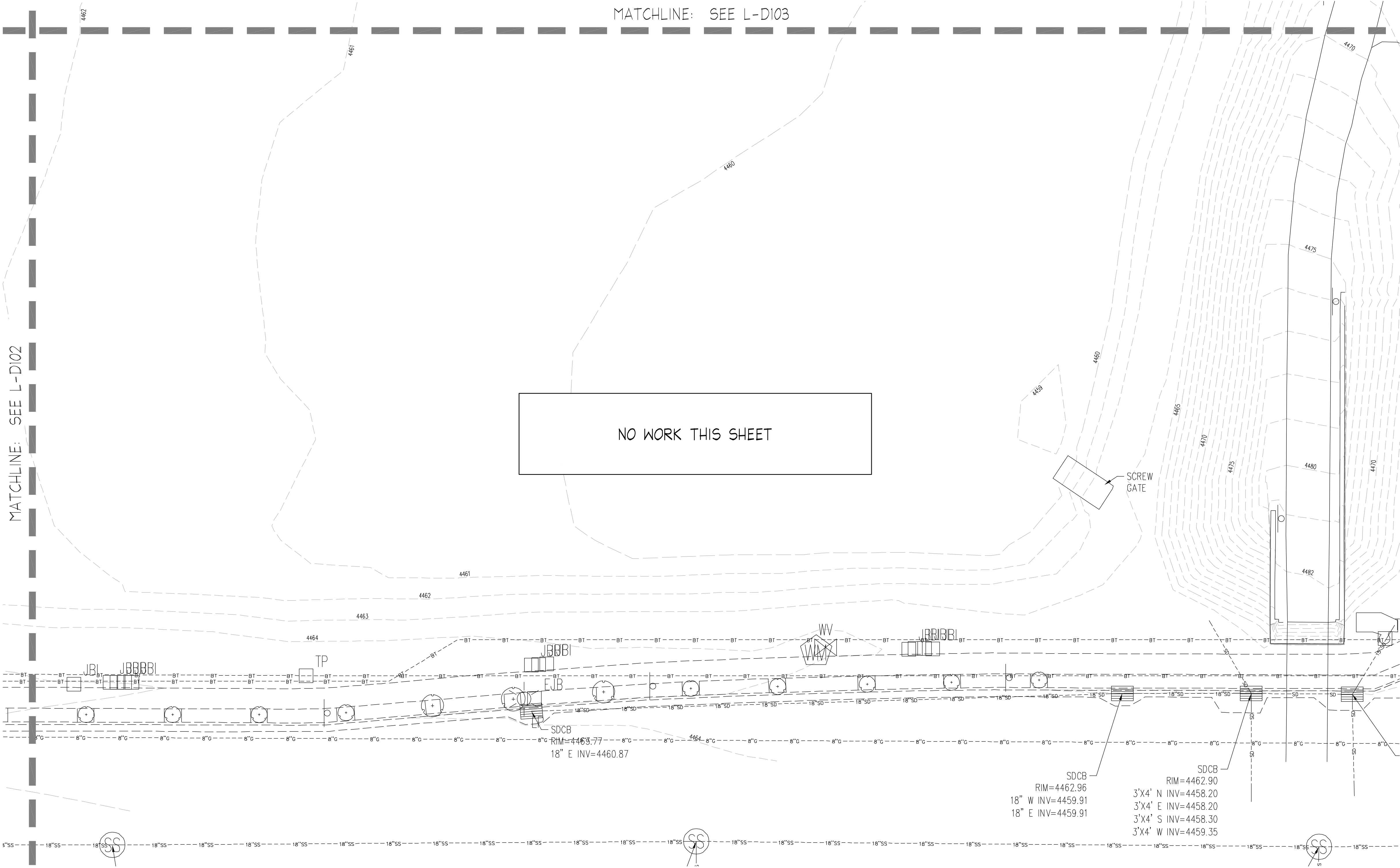
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**DEMOLITION
PLAN**

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L-D103

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LEGEND			
	PROPERTY BOUNDARY		EXISTING WATER MANHOLE
	EASEMENT LINE		EXISTING CATCH BASIN
	EXISTING POWER LINE		EXISTING WATER METER
	EXISTING STORM DRAIN LINE		EXISTING LIGHT POLE
	EXISTING SEWER LINE		EXISTING ELECTRICAL BOX
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	EXISTING CURB & GUTTER		EXISTING SIGN
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EROSION CONTROL NOTES

SEE SHEET L-D501, DETAIL-C FOR EROSION CONTROL NOTES

REFERENCE SCHEDULE NOTES		
		2024-03-06 14:57
<u>SYMBOL</u>	<u>DEMOLITION: PROTECT-IN-PLACE DESCRIPTION</u>	<u>QTY</u>
<u>D1-02</u>	CONCRETE CURB AND GUTTER	
<u>D1-03</u>	UTILITY EQUIPMENT	
<u>D1-04</u>	ASPHALT PAVING	
<u>D1-05</u>	STORM DRAINAGE SYSTEM	
<u>D1-06</u>	COLLAPSIBLE BOLLARD	
<u>D1-07</u>	SIGNAGE	
<u>SYMBOL</u>	<u>DEMOLITION: REMOVE AND DISCARD DESCRIPTION</u>	<u>QTY</u>
<u>D3-101</u>	VEGETATION - INCLUDE REMOVAL OF ASSOCIATED BARK MULCH AND/OR NEED BARRIER FABRIC WHERE PRESENT.	43,764 sf
<u>D3-102</u>	REMOVE WATER VALVE AND PIPING AFFECTED BY PROPOSED IMPROVEMENTS	
<u>D3-103</u>	GRAVEL	1,028 sf
<u>D3-104</u>	CONCRETE CURB AND GUTTER	141 lf
<u>D3-106</u>	CONCRETE PAVING (APPROX. 5" THICK) - PROVIDE SAWCUTTING WHERE NECESSARY	2,579 sf
<u>D3-108</u>	TREE - INCLUDE STUMP GRINDING TO A DEPTH OF 36"	

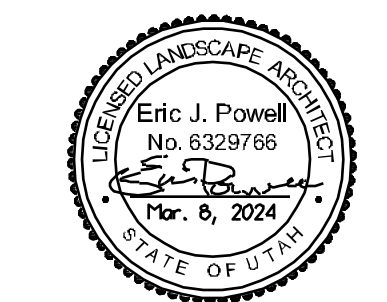
SCALE & NORTH ARROW

NORTH

SCALE: 1" = 16'-0"

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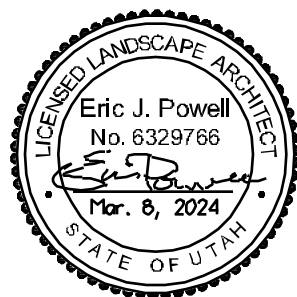
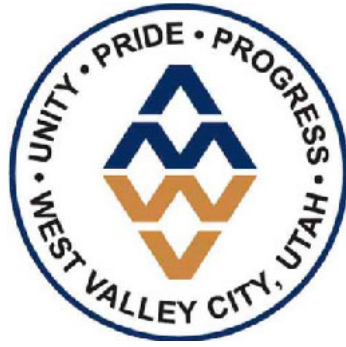
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**DEMOLITION
PLAN**

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L-D104

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consultant:

A. PROHIBITION ON MOST NON-STORM WATER DISCHARGES

ONLY STORM WATER FROM THE PROJECT SITE SHALL BE ALLOWED TO FLOW INTO THE ON-SITE STORM DRAIN SYSTEM. CLEAN, NON-CHLORINATED WATER FROM THE FLUSHING OF FIRE HYDRANTS, WATER MAINS, AND STORM DRAINS MAY BE DISCHARGED TO THE STORM DRAIN IF IT IS NOT ALLOWED TO COLLECT DIRT, DEBRIS, AND TRASH WHILE FLOWING TO A STORM DRAIN INLET.

B. SOURCES OF STORM WATER POLLUTANTS

STORM WATER POLLUTANTS INCLUDE SOIL, SEDIMENT AND NUTRIENTS, OIL, GREASE, TOXIC POLLUTANTS, AND HEAVY METALS. SOURCES OF STORM WATER POLLUTANTS INCLUDE BUT ARE NOT LIMITED TO SOIL EROSION BY WATER AND/OR WIND; CLEARING OF VEGETATION; GRADING; VEHICLE AND EQUIPMENT REFUELING AND MAINTENANCE; WASHING OF CONCRETE TRUCKS, MIXERS AND HANDLING EQUIPMENT; PAINTS, SOLVENTS AND ADHESIVES, AND LANDSCAPING WORK.

C. EROSION AND SEDIMENT CONTROLS

1. COVER EXPOSED STOCKPILES OF SOILS, CONSTRUCTION AND LANDSCAPING MATERIALS WITH HEAVY PLASTIC SHEETING.
2. IN LANDSCAPING AREAS WHERE THE VEGETATION HAS NOT ESTABLISHED GROWTH AND TAKEN HOLD, CONSTRUCT SANDBAGS OR DIRT BERMS AROUND THEIR PERIMETER TO INSURE THAT WATER WILL BE CONTAINED INSIDE THE LANDSCAPING AREA AND THAT IT WILL NOT BE CONVEYED TO A STORM DRAIN INLET.
3. RE-VEGETATE AREAS WHERE LANDSCAPING HAS DIED OR NOT TAKEN HOLD.
4. DIVERT STORM WATER RUNOFF AROUND DISTURBED SOILS WITH BERMS OR DIRT SNALES.

D. OTHER CONTROLS

1. WASTE DISPOSAL

- A. KEEP WASTE DISPOSAL CONTAINERS COVERED.
- B. PROVIDE FOR THE WEEKLY (OR MORE FREQUENT, IF NECESSARY) DISPOSAL OF WASTE CONTAINERS.
- C. PROVIDE CONTAINERS AT CONVENIENT LOCATIONS AROUND THE SITE.

2. SWEEPING OF SITE

- A. PROVIDE DAILY SWEEPING BY HAND OR MECHANICAL MEANS (IF NEEDED) TO KEEP THE PAVED AREAS OF THE SITE FREE OF DUST, DIRT, AND DEBRIS.
- B. DISPOSE OF ACCUMULATED DIRT IN WASTE CONTAINERS, OR HAUL IT OFF THE SITE TO A LANDFILL.

3. SANITARY/SEPTIC DISPOSAL

PORTABLE TOILETS AND OTHER SANITARY FACILITIES SHALL BE SERVICED WEEKLY AND PUMPED CLEAN BY A WASTE DISPOSAL COMPANY. NO TOXIC OR HAZARDOUS WASTE SHALL BE DISPOSED IN A PORTABLE TOILET OR IN THE ON-SITE SANITARY SEWER.

4. SPILLS

- A. STORE ADEQUATE ABSORBENT MATERIALS, RAGS, BROOMS, SHOVELS, AND WASTE CONTAINERS ON THE SITE TO CLEAN-UP SPILLS OF MATERIALS SUCH AS FUEL, PAINT, SOLVENTS, OR CLEANERS. CLEAN UP MINOR SPILLS IMMEDIATELY.
- B. FOR REPORTABLE QUANTITY OF HAZARDOUS OR TOXIC SUBSTANCE, SECURE THE SERVICES OF QUALIFIED PERSONNEL OR CLEAN-UP AND DISPOSAL.

5. VEHICLES AND EQUIPMENT

- A. FIX LEAKS OF FUEL, OIL AND OTHER SUBSTANCES IMMEDIATELY.
- B. PERFORM REFUELING AND SERVICE OF VEHICLES OR EQUIPMENT OFF-SITE WHEN POSSIBLE. IF REFUELING OR SERVICE OF EQUIPMENT IS PERFORMED ON-SITE, THEN PROVIDE AN IMPERVIOUS, CONTAINED AREA WHERE ANY SPILLS CAN BE CONTAINED WITHOUT FLOWING TO A STORM WATER INLET OR INTO THE GROUND.

- C. USE DRIP PANS TO CATCH LEAKS AND SMALL SPILLS.

6. CONCRETE TRUCKS, MIXERS AND HANDLING EQUIPMENT

- A. DO NOT DISPOSE OF WASHOUT FROM THE WASHING OF CONCRETE TRUCKS, MIXERS, AND HANDLING EQUIPMENT WHERE IT WILL FLOW INTO A STORM WATER INLET OR INTO A PUBLIC STREET.
- B. PROVIDE A HOLDING TANK TO RECEIVE ANY WASHOUT FROM CONCRETE EQUIPMENT. DISPOSAL OF TANK CONTENTS SHOULD BE CONDUCTED BY A WASTE HANDLING FIRM.
- C. PROVIDE A DESIGNATED AREA FOR WASHING ANY VEHICLES OR EQUIPMENT. DRAINAGE FROM THIS AREA SHOULD FLOW TO THE HOLDING TANK.

7. LANDSCAPING OPERATIONS

- A. USE ONLY THE MINIMUM AMOUNT OF LANDSCAPING FERTILIZERS, NUTRIENTS, AND OTHER CHEMICALS THAT ARE NEEDED.
- B. DO NOT OVER WATER FERTILIZED OR TREATED LANDSCAPE AREAS. MINIMIZE RUNOFF OF IRRIGATION WATER FROM LANDSCAPING.

8. STORM WATER INLETS

KEEP ALL ON-SITE STORM WATER INLETS CLEAN AND FREE OF DIRT AND DEBRIS. IN THE EVENT THAT SEDIMENT AND DEBRIS MAY FLOW TO AN INLET, PROVIDE AN 18-INCH (MINIMUM) STRAIN BARRIER AROUND THE INLET TO TRAP THE DIRT AND DEBRIS AND ALLOW ONLY CLEAN STORM WATER TO ENTER THE INLET.

E. INSPECTION

1. REGULAR INTERVAL INSPECTION AND INSPECTION BEFORE AND AFTER STORMS

- A. VISUALLY INSPECT THE SITE WEEKLY TO INSURE THAT STORM WATER INLETS ARE FREE OF DIRT AND DEBRIS.
- B. BEFORE A STORM, INSPECT THE SITE TO INSURE THAT STORM WATER POLLUTION CONTROL MEASURES ARE IN PLACE.
- C. AFTER A STORM, INSPECT ALL STORM WATER INLETS TO INSURE THAT THEY ARE CLEAR OF DIRT AND DEBRIS. CLEAN THOSE STORM WATER INLETS THAT ARE NOT CLEAR AND FREE OF DEBRIS.

- D. THE UTAD DEQ WATER QUALITY DIVISION MAY REQUIRE THE DISCHARGER TO CONDUCT ADDITIONAL SITE INSPECTIONS, SUBMIT REPORTS AND CERTIFICATIONS, OR TO PERFORM SAMPLING AND ANALYSIS.

2. ALL DISCHARGERS ARE REQUIRED TO CONDUCT INSPECTIONS OF THE CONSTRUCTION SITE PRIOR TO ANTICIPATED STORM EVENTS AND AFTER ACTUAL STORM EVENTS, TO IDENTIFY AREAS CONTRIBUTING TO A STORM WATER DISCHARGE, TO EVALUATE WHETHER MEASURES TO REDUCE POLLUTANT LOADINGS IDENTIFIED IN THIS SWPPP ARE ADEQUATE, TO PROPERLY IMPLEMENT IN ACCORDANCE WITH THE TERMS OF THE GENERAL PERMIT, AND TO DETERMINE WHETHER ADDITIONAL CONTROL PRACTICES ARE NEEDED.

3. PREPARATION OF REPORTS AND RETENTION OF RECORDS

- A. EACH DISCHARGER MUST CERTIFY ANNUALLY THAT ITS CONSTRUCTION ACTIVITY IS IN COMPLIANCE WITH THE REQUIREMENTS OF THE GENERAL PERMIT AND THIS SWPPP. THIS CERTIFICATION MUST BE BASED ON THE SITE INSPECTIONS. THE FIRST CERTIFICATION MUST BE COMPLETED BY JULY 1, 2002, AND EACH JULY 1 THEREAFTER.

- B. THE DISCHARGER IS REQUIRED TO RETAIN RECORDS OF ALL MONITORING INFORMATION, COPIES OF ALL REPORTS REQUIRED BY THIS GENERAL PERMIT, AND RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT FOR CONSTRUCTION ACTIVITY FOR A PERIOD OF AT LEAST THREE YEARS. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE STATE. WITH THE EXCEPTION OF NONCOMPLIANCE REPORTING, DISCHARGERS ARE NOT REQUIRED TO SUBMIT THE RECORDS EXCEPT UPON SPECIFIC REQUEST BY THE STATE DEQ DIVISION OF WATER QUALITY.

- C. DISCHARGERS WHO CANNOT CERTIFY COMPLIANCE MUST NOTIFY THE STATE DEQ DIVISION OF WATER QUALITY. THIS NOTIFICATION SHALL IDENTIFY THE TYPE OR TYPES OF NONCOMPLIANCE, DESCRIBE THE ACTIONS NECESSARY TO ACHIEVE COMPLIANCE, AND INCLUDE A TIME SCHEDULE, SUBJECT TO THE MODIFICATIONS BY THE STATE DEQ DIVISION OF WATER QUALITY, INDICATING WHEN COMPLIANCE WILL BE ACHIEVED. NONCOMPLIANCE REPORTS MUST BE SUBMITTED WITHIN 30 DAYS OF THE IDENTIFICATION OF THE NONCOMPLIANCE.

F. MAINTENANCE OF CONTROLS

1. MAINTENANCE AND REPAIR

ALL CONTROLS AND MEASURES INDICATED ON THIS PLAN SHOULD BE MAINTAINED IN GOOD AND EFFECTIVE CONDITION. IF ANY CONTROLS OR MEASURES ARE DAMAGED OR REMOVED, THEY SHOULD BE PROMPTLY REPAIRED OR RESTORED.

2. PLAN REVISIONS

IF CONSTRUCTION ACTIVITY OR CONDITIONS CHANGE FROM THOSE SHOWN IN THIS PLAN, THEN THIS PLAN SHALL BE REVISED TO REFLECT THE CURRENT CONDITIONS.

G. STABILIZATION PRACTICES

1. STABILIZATION PRACTICES MAY INCLUDE: TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, GEOTEXTILES, SOD STABILIZATION, VEGETATIVE BUFFER STRIPS, PROTECTION OF TREES, PRESERVATION OF MATURE VEGETATION AND OTHER APPROPRIATE MEASURES. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED EXCEPT AS NOTED BELOW.

- a. WHERE THE INITIATION OF STABILIZED MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASED IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE.
- b. WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 21 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.

H. FINAL STABILIZATION AND POST-CONSTRUCTION CONTROLS

1. AFTER CONSTRUCTION HAS BEEN COMPLETED, THE SITE SHALL BE SWEEPED CLEAN. STORM WATER INLETS (GRATES AND BASINS) SHALL BE CLEANED, AND ALL WASTE AND LEFTOVER MATERIALS SHALL BE REMOVED FROM THE SITE.
2. ALL LANDSCAPING AND PLANTING AREAS SHOULD BE WELL MAINTAINED TO PREVENT EROSION. AVOID OVER WATERING OF LANDSCAPING.
3. ALL PAVED AREAS SHOULD BE SWEEPED WEEKLY EITHER BY HAND OR BY MECHANICAL MEANS TO KEEP THE SITE CLEAR OF DIRT, DUST, AND DEBRIS.
4. WASTE MATERIALS ON-SITE SHOULD BE STORED IN COVERED CONTAINERS WHICH ARE CLEANED OUT REGULARLY.
5. TESTING OF FIRE HYDRANTS ON-SITE SHALL NOT BE CONDUCTED UNTIL THE AREA WHERE THE WATER DISCHARGES HAS BEEN SWEEPED CLEAN OF DIRT AND DEBRIS.
6. STORM DRAIN LINES SHOULD BE CHECKED AND CLEANED ANNUALLY TO KEEP THEM CLEAN AND CLEAR OF DEBRIS.
7. ALL ON-SITE STORM WATER INLETS SHOULD BE CLEARLY MARKED "STORM WATER ONLY".

I. COMPLETION OF CONSTRUCTION ACTIVITIES AND NOTICE OF TERMINATION

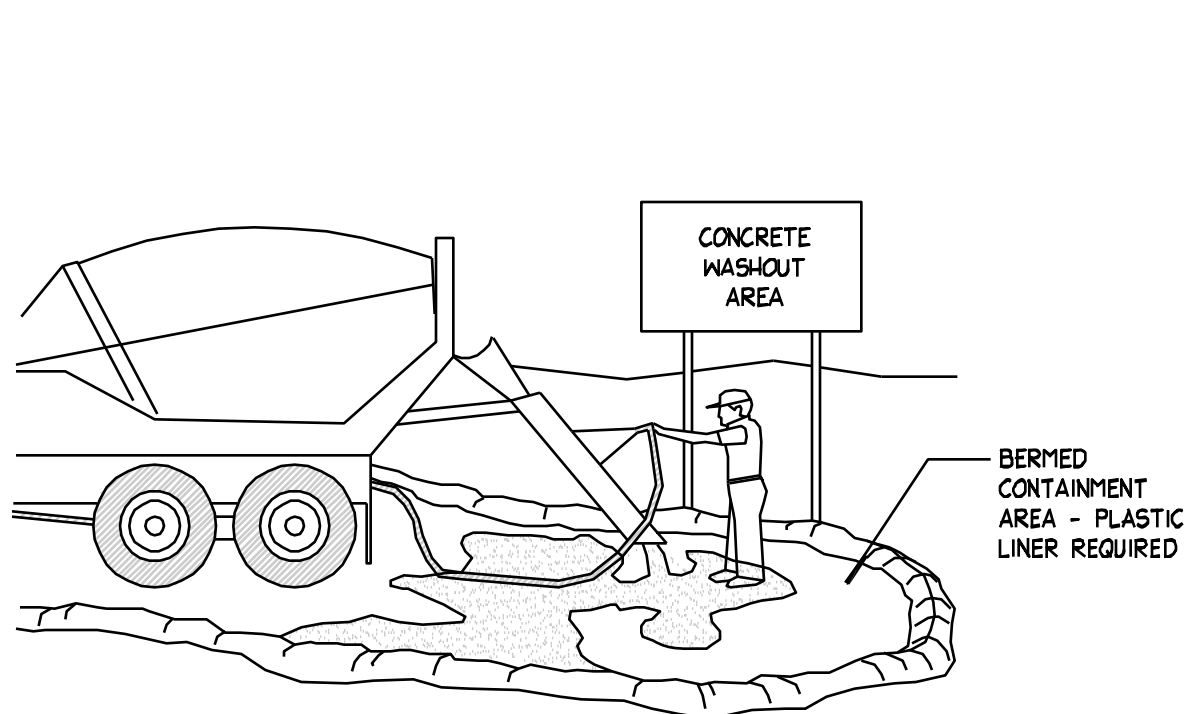
WHEN CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED ON THIS SITE, THE OWNER SHALL FILE A LETTER WITH THE STATE DEQ DIVISION OF WATER QUALITY. THIS LETTER SHALL CERTIFY THAT THE CONSTRUCTION ACTIVITY HAS BEEN COMPLETED, THAT ALL ELEMENTS OF THE SWPPP HAVE BEEN IMPLEMENTED, THAT CONSTRUCTION AND EQUIPMENT MAINTENANCE WASTES HAVE BEEN DISPOSED OF PROPERLY, THAT THE SITE IS IN COMPLIANCE WITH ALL LOCAL STORM WATER REQUIREMENTS INCLUDING EROSION/SEDIMENT CONTROL REQUIREMENTS, POLICIES, AND GUIDELINES.



STORM WATER POLLUTION PREVENTION GENERAL NOTES

SCALE: 1" = 1'

SECTION



NOTES:

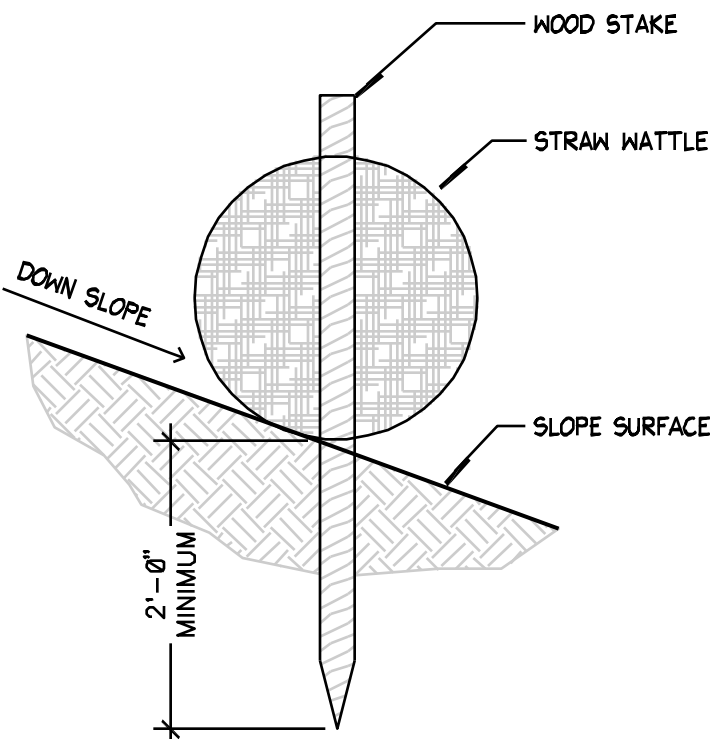
1. EXCESS AND WASTE CONCRETE SHALL NOT BE WASHED INTO THE STREET OR INTO A DRAINAGE SYSTEM.
2. FOR WASHOUT OF CONCRETE AND MORTAR PRODUCTS, A DESIGNATED CONTAINMENT FACILITY OF SUFFICIENT CAPACITY TO RETAIN LIQUID AND SOLID WASTE SHALL BE PROVIDED ON SITE.
3. SLURRY FROM CONCRETE AND ASPHALT SAW CUTTING SHALL BE VACUUMED OR CONTAINED, DRIED, PICKED UP AND DISPOSED OF PROPERLY.



CONCRETE WASTE MANAGEMENT

SCALE: 1" = 1'

SECTION



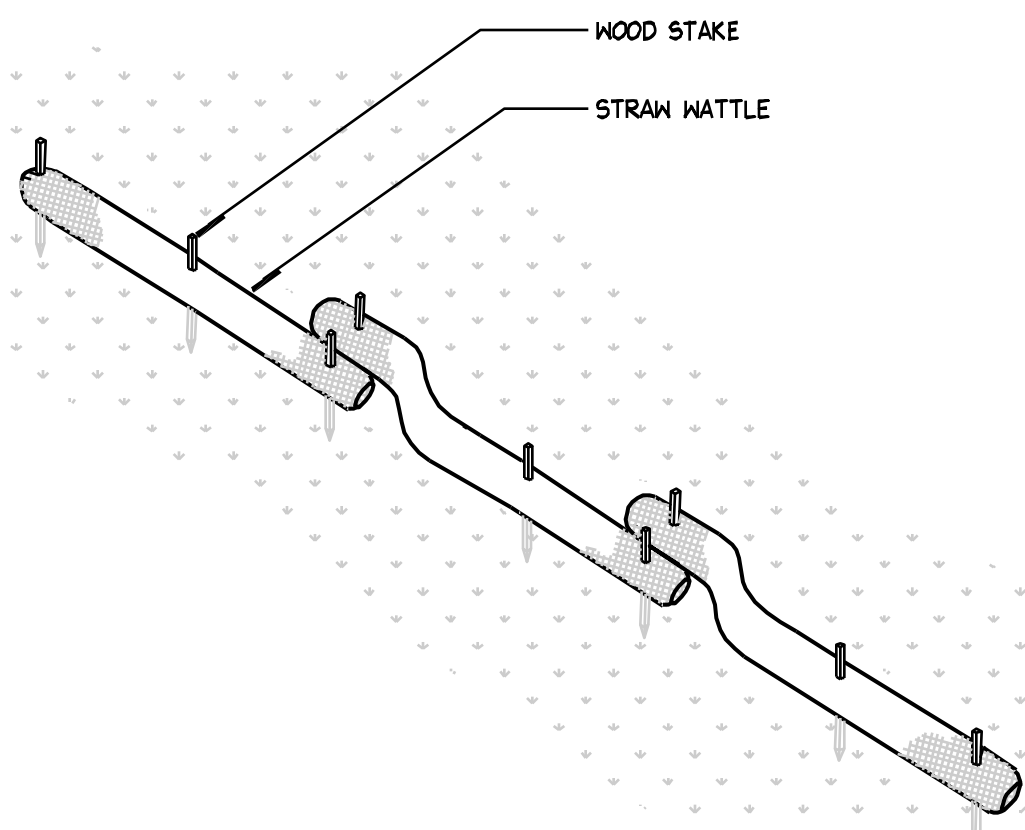
SECTION



STRAW WATTLE

SCALE: 3/4" = 1'-0"

SECTION



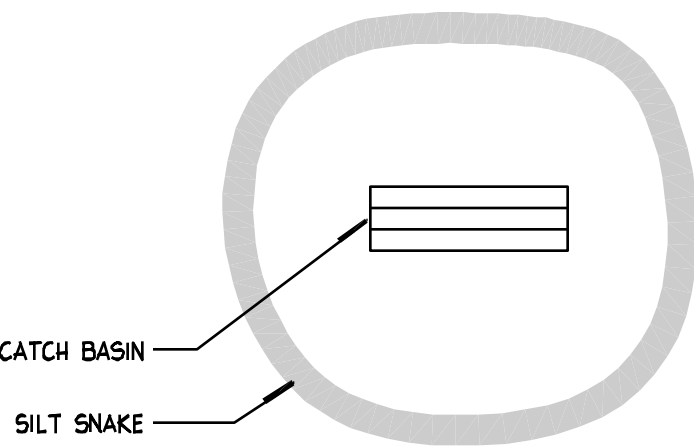
PLAN VIEW



SILT SNAKE

SCALE: 1" = 1'

SECTION



NOTE:

1. INSPECT THE SILT SNAKES ON A WEEKLY BASIS. IF SILT SNAKE IS SHOWING SIGNS OF FAILURE REMOVE AND REPLACE THOSE SECTIONS OF THE SILT SNAKE.

data
asd project no:

title
EROSION CONTROL
NOTES & DETAILS

sheet

L-D501

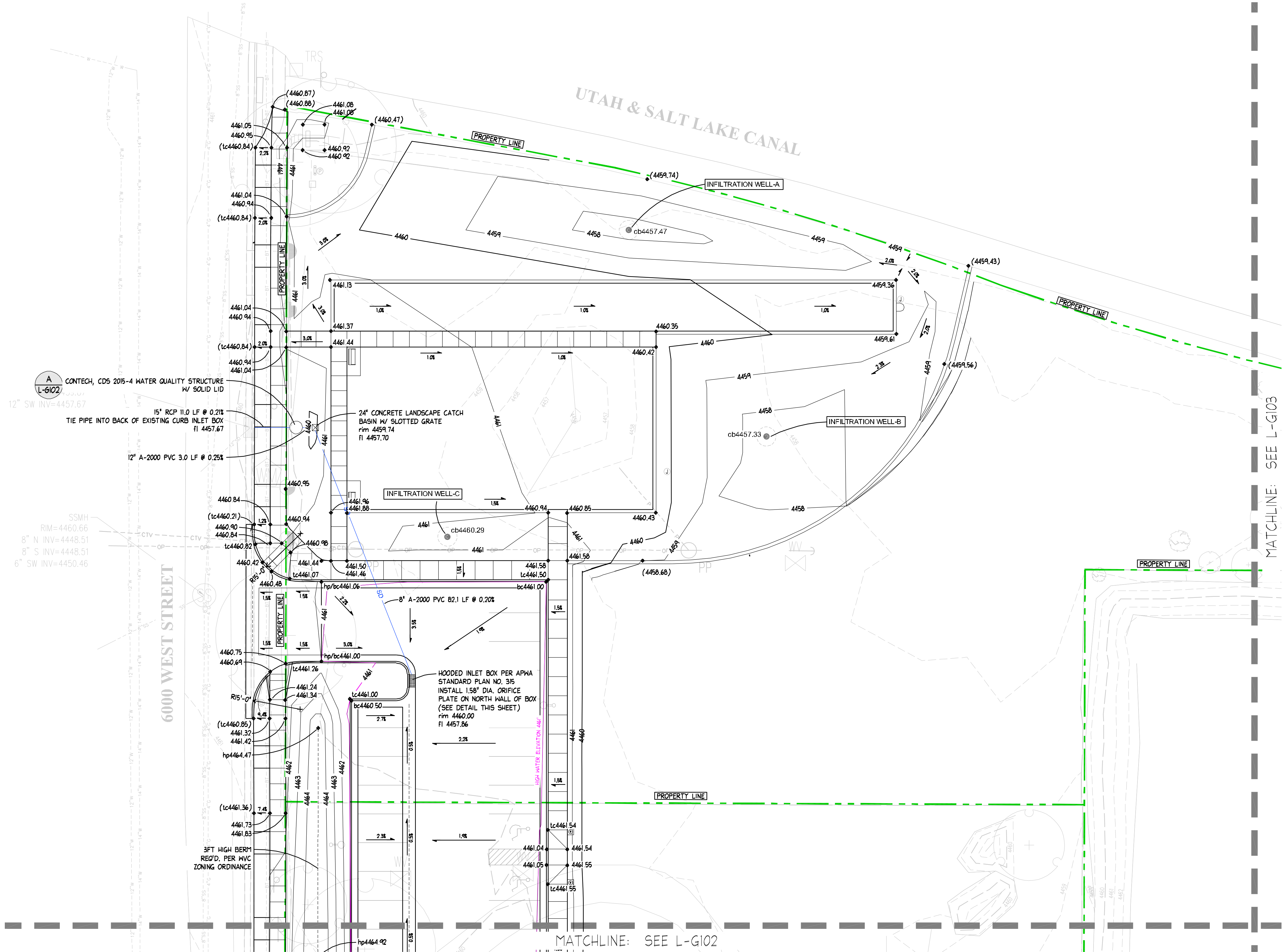
BID SET

project
West View
Park
Expansion

4059 South 6000 West
West Valley City, UT

date
March 8, 2024

revisions



LEGEND

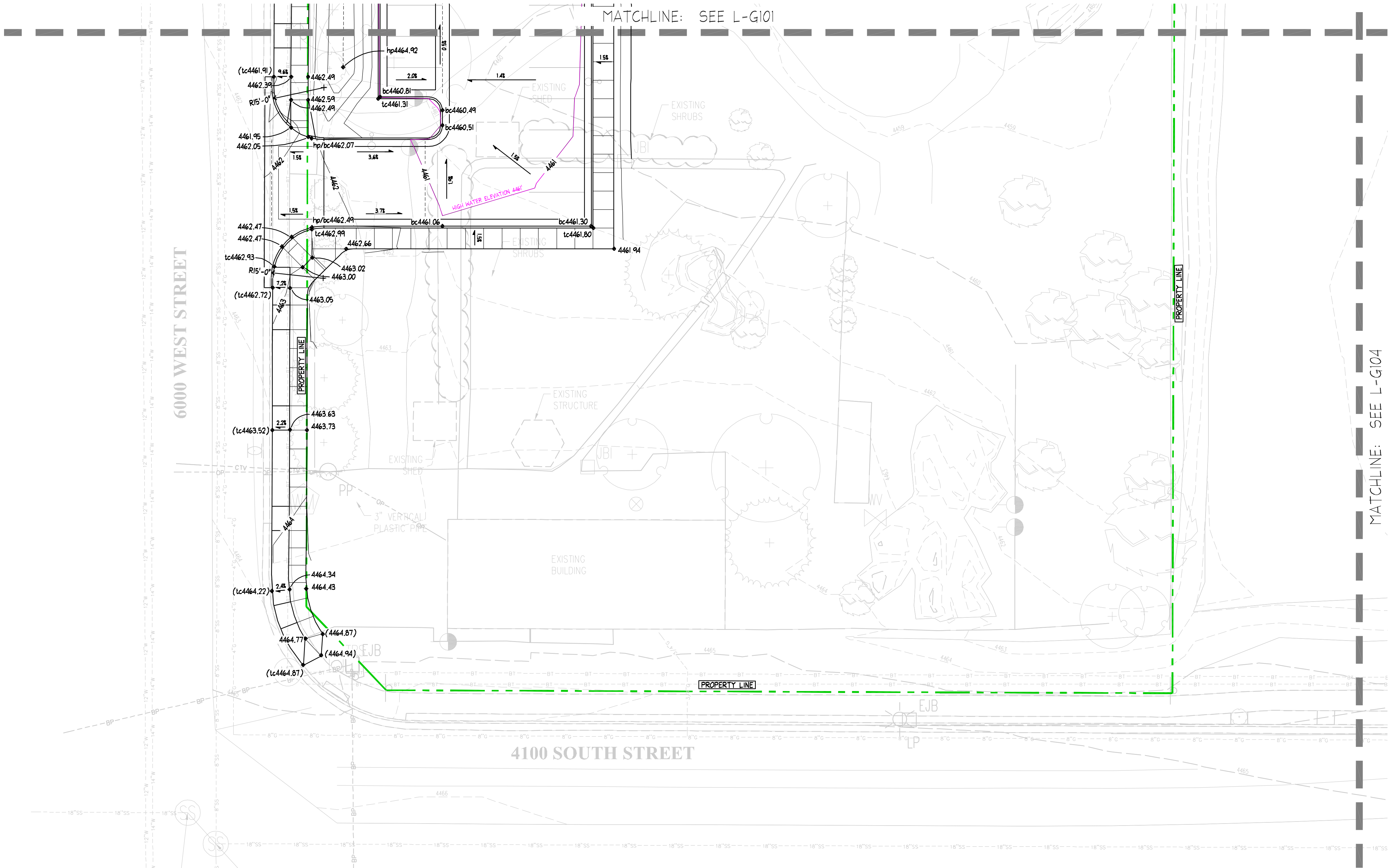
	445	PROPOSED CONTOUR LINE		TOP OF CURB/ BOTTOM OF CURB
	445.25	EXISTING SPOT ELEVATION		CATCH BASIN RIM ELEVATION
	445.25	PROPOSED SPOT ELEVATION		FLOW LINE ELEVATION
	1.5%	DIRECTION OF FLOW & SLOPE INDICATOR		LOW POINT
				HIGH POINT

GRADING NOTES

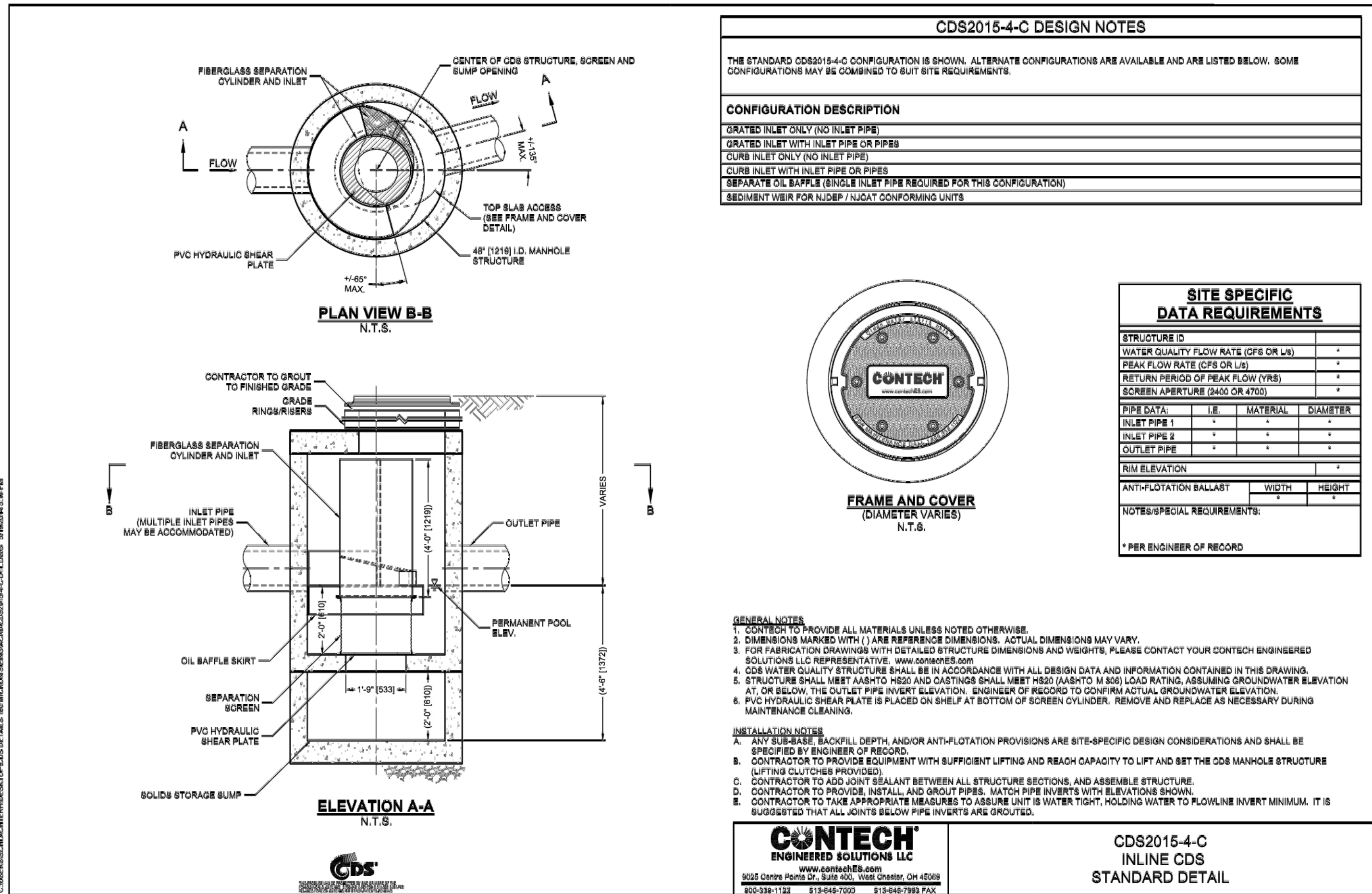
- CUT SLOPES SHALL HAVE A MAXIMUM RATIO OF 2:1 HORIZONTAL TO VERTICAL AND FILL SLOPES SHALL HAVE A MAXIMUM RATIO OF 3:1 HORIZONTAL TO VERTICAL.
- FINISHED GRADES, CONTOURS, AND ELEVATIONS INDICATED ON THE GRADING AND DRAINAGE PLAN DESCRIBE FINAL SURFACE ELEVATIONS FOR COMPLETED CONSTRUCTION UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL REVIEW THE DETAILS AND SPECIFICATIONS TO ASCERTAIN SPECIFIC WORK LIMITS AND REQUIREMENTS.
- CONTRACTOR SHALL VERIFY ALL EXISTING GRADES IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE.
- CONSULT ALL OF THE DRAWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS BEFORE COMMENCING CONSTRUCTION.
- WHERE NEW PAVING OR EARTHWORK MEETS EXISTING PAVING OR EARTHWORK SMOOTHLY BLEND LINE AND GRADE OF EXISTING WITH NEW. ALL RIDGES AND VALLEYS SHALL HAVE A SMOOTH TRANSITION.
- GRADE EVENLY BETWEEN SPOT GRADES SHOWN ON DRAWINGS. ALL PAVED AREAS MUST GRADE TO DRAIN AT A MINIMUM OF ONE-EIGHTH INCH (1/8") PER FOOT. ANY DISCREPANCIES NOT ALLOWING THIS TO OCCUR SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE PRIOR TO CONTINUING WORK.
- PRIOR TO COMMENCING ANY EXCAVATION WORK, THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN ACCORDANCE WITH THE REQUIRED PROCEDURES.
- THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE DIAGRAMMATIC ONLY, AND ALL UTILITIES MAY NOT BE SHOWN. THE CONTRACTOR SHALL CONTACT THE PROPER LOCAL AUTHORITIES OR RESPECTIVE UTILITY COMPANY TO CONFIRM THE LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ANY DAMAGE DUE TO FAILURE OF THE CONTRACTOR TO CONTACT THE PROPER AUTHORITIES SHALL BE BORNE BY THE CONTRACTOR.
- EXCAVATION REQUIRED WITHIN PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO COST TO OWNER.
- ANY AREA DISTURBED OUTSIDE THE LIMIT OF DISTURBANCE/PROPERTY LINE SHALL BE RESTORED TO ITS ORIGINAL CONDITIONS AT NO COST TO OWNER.
- CONTRACTOR SHALL SUPPLY AND MAINTAIN FOR THE DURATION OF CONSTRUCTION ALL NECESSARY DEVICES FOR EROSION, SEDIMENT AND DUST CONTROL, SUCH AS MULCH BARRIERS, GRAVEL, BARRIERS, ETC., INCLUDING THOSE DEVICES NECESSARY FOR STABILIZATION AND PROTECTION OF ADJACENT PUBLIC WAYS AND SHALL REMOVE THE DEVICES AFTER PROJECT CLOSEOUT.
- CUT AND FILL SLOPES SHALL BE CONSTRUCTED AS RECOMMENDED BY THE GEOTECHNICAL REPORT.

STORM DRAIN DETENTION					
					
PROJECT NAME Westview Park Expansion			PROJECT NUMBER 12371		
LOCATION 6000 West Mountain View Corridor West Valley City, Utah			DATE 01/10/24		
SHEET Salt Lake County			SHEET 1 OF 1		
DESIGNED BY B. Morgan		CHECKED BY			
AREA CALCULATION					
HARDSCAPE AREA		0.29	acres	runoff coeff. C	0.95
ARTIFICIAL TURF		0.12	acres	runoff coeff. C	0.65
LANDSCAPE AREA		0.16	acres	runoff coeff. C	0.35
TOTAL AREA		0.57	acres	WEIGHTED C	0.72
RUNOFF CALCULATION					
100 Year Design Storm			Allowable Runoff	0.2 cfs/acre	
			Total allowable runoff	0.114 cfs	
Time (min)	CA (Acres)	Precipitation (in/hr)	Time (sec)	Cumulative Runoff (cfs)	Allowed Runoff (cfs)
5	0.41	6.24	300	771	34
10	0.41	4.74	600	1,174	89
15	0.41	3.92	900	1,454	103
20	0.41	3.24	1,200	1,653	206
30	0.41	2.64	1,800	1,853	206
40	0.41	2.16	2,400	2,433	412
50	0.41	1.80	3,000	2,887	833
60	0.41	1.51	3,600	3,343	1,044
70	0.41	1.28	4,200	3,702	1,255
80	0.41	1.10	4,800	4,061	1,466
90	0.41	0.96	5,400	4,420	1,677
100	0.41	0.85	6,000	4,779	1,888
120	0.41	0.72	7,200	5,438	2,499
140	0.41	0.62	8,400	6,097	3,110
160	0.41	0.54	9,600	6,756	3,721
180	0.41	0.48	10,800	7,415	4,332
200	0.41	0.43	12,000	8,074	4,943
220	0.41	0.39	13,200	8,733	5,554
240	0.41	0.36	14,400	9,392	6,165
260	0.41	0.33	15,600	10,051	6,776
280	0.41	0.31	16,800	10,710	7,387
300	0.41	0.29	18,000	11,369	7,998
320	0.41	0.27	19,200	12,028	8,609
340	0.41	0.26	20,400	12,687	9,220
360	0.41	0.25	21,600	13,346	9,831
380	0.41	0.24	22,800	14,005	10,442
400	0.41	0.23	24,000	14,664	11,053
420	0.41	0.22	25,200	15,323	11,664
440	0.41	0.21	26,400	15,982	12,275
460	0.41	0.20	27,600	16,641	12,886
480	0.41	0.19	28,800	17,300	13,497
500	0.41	0.18	30,000	17,959	14,108
520	0.41	0.17	31,200	18,618	14,719
540	0.41	0.16	32,400	19,277	15,330
560	0.41	0.15	33,600	19,936	15,941
580	0.41	0.14	34,800	20,595	16,552
600	0.41	0.13	36,000	21,254	17,163
620	0.41	0.12	37,200	21,913	17,774
640	0.41	0.11	38,400	22,572	18,385
660	0.41	0.10	39,600	23,231	18,996
680	0.41	0.09	40,800	23,890	19,607
700	0.41	0.08	42,000	24,549	20,218
720	0.41	0.07	43,200	25,208	20,829
740	0.41	0.06	44,400	25,867	21,440
760	0.41	0.05	45,600	26,526	22,051
780	0.41	0.04	46,800	27,185	22,662
800	0.41	0.03	48,000	27,844	23,273
820	0.41	0.02	49,200	28,503	23,884
840	0.41	0.01	50,400	29,162	24,495
860	0.41	0.01	51,600	29,821	25,106
880	0.41	0.00	52,800	30,480	25,717
900	0.41	0.00	54,000	31,139	26,328
920	0.41	0.00	55,200	31,798	26,939
940	0.41	0.00	56,400	32,457	27,550
960	0.41	0.00	57,600	33,116	28,161
980	0.41	0.00	58,800	33,775	28,772
1000	0.41	0.00	60,000	34,434	29,383
1020	0.41	0.00	61,200	35,093	29,994
1040	0.41	0.00	62,400	35,752	30,605
1060	0.41	0.00	63,600	36,411	31,216
1080	0.41	0.00	64,800	37,070	31,827
1100	0.41	0.00	66,000	37,729	32,438
1120	0.41	0.00	67,200	38,388	33,049
1140	0.41	0.00	68,400	39,047	33,660
1160	0.41	0.00	69,600	39,706	34,271
1180	0.41	0.00	70,800	40,365	34,882
1200	0.41	0.00	72,000	41,024	35,493
1220	0.41	0.00	73,200	41,683	36,104
1240	0.41	0.00	74,400	42,342	36,715
1260	0.41	0.00	75,600	43,001	37,326
1280	0.41	0.00	76,800	43,660	37,937
1300	0.41	0.00	78,000	44,319	38,548
1320	0.41	0.00	79,200	44,978	39,159
1340	0.41	0.00	80,400	45,637	39,770
1360	0.41	0.00	81,600	46,296	40,381
1380	0.41	0.00	82,800	46,955	40,992
1400	0.41	0.00	84,000	47,614	41,603
1420	0.41	0.00	85,200	48,273	42,214
1440	0.41	0.00	86,400	48,932	42,825
1460	0.41	0.00	87,600	49,591	43,436
1480	0.41	0.00	88,800	50,250	44,047
1500	0.41	0.00	90,000	50,909	44,658
1520	0.41	0.00	91,200	51,568	45,269
1540	0.41	0.00	92,400	52,227	45,880
1560	0.41	0.00	93,600	52,886	46,491
1580	0.41	0.00	94,800	53,545	47,102
1600	0.41	0.00	96,000	54,204	47,713
1620	0.41	0.00	97,200	54,863	48,324
1640	0.41	0.00	98,400	55,522	48,935
1660	0.41	0.00	99,600	56,181	49,546
1680	0.41	0.00	100,800	56,840	50,157
1700	0.41	0.00	102,000	57,499	50,768
1720	0.41	0.00	103,200	58,158	51,379
1740	0.41	0.00	104,400	58,817	51,990
1760	0.41	0.00	105,600	59,476	52,601
1780	0.41	0.00	106,800	60,135	53,212
1800	0.41	0.00	108,000	60,794	53,823
1820	0.41	0.00	109,200	61,453	54,434
1840	0.41	0.00	110,400	62,112	55,045
1860	0.41	0.00	111,600	62,771	55,656
1880	0.41	0.00	112,800	63,430	56,267
1900	0.41	0.00	114,000	64,089	56,878
1920	0.41	0.00	115,200	64,748	57,489
1940	0.41	0.00	116,400	65,407	58,100
1960	0.41	0.00	117,600	66,066	58,711
1980	0.41	0.00	118,800	66,725	59,322
2000	0.41	0.00	120,000	67,384	59,933
2020	0.41	0.00	121,200	68,043	60,544
2040	0.41	0.00	122,400	68,702	61,155
2060	0.41	0.00	123,600	69,361	61,766
2080	0.41	0.00	124,800	70,020	62,377
2100	0.41	0.00	126,000	70,679	62,988
2120	0.41	0.00	127,200	71,338	63,599
2140	0.41	0.00	128,400	71,997	64,210
2160	0.41	0.00	129,600	72,656	64,821
2180	0.41	0.00	130,800	73,315	65,432
2200	0.41	0.00	132,000	73,974	66,043
2220	0.41	0.00	133,200	74,633	66,654
2240	0.41	0.00	134,400	75,292	67,265
2260	0.41	0.00	135,600	75,951	67,876
2280	0.41	0.00	136,800	76,610	68,487
2300	0.41	0.00	138,000	77,269	69,098
2320	0.41	0.00	139,200	77,928	69,709
2340	0.41	0.00	140,400	78,587	70,320
2360	0.41	0.00	141,600	79,246	70,931
2380	0.41	0.00	142,800	79,905	71,542
2400	0.41	0.00	144,000	80,564	72,153
2420	0.41	0.00	145,200	81,223	72,764
2440	0.41	0.00	146,400	81,882	73,375
2460	0.41	0.00	147,600	82,541	73,986
2480	0.41	0.00	148,800	83,200	74,597
2500	0.41	0.00	150,000	83,859	75,208
2520	0.41	0.00	151,200	84,518	75,819
2540	0.41	0.00	152,400	85,177	76,430
2560	0.41	0.00	153,600	85,836	77,041
2580	0.41	0.00	154,800	86,495	77,652
2600	0.41	0.00	156,000	87,154	78,263
2620	0.41	0.00	157,200	87,813	78,874
2640	0.41	0.00	158,400	88,472	79,485
2660	0.41	0.00	159,600	89,131	80,096
2680	0.41	0.00	160,800	89,790	80,707
2700	0.41	0.00	162,000	90,449	81,318
2720	0.41	0.00	163,200	91,108	81,929
2740	0.41	0.00	164,400	91,767	82,540
2760	0.41	0.00	165,600	92,426	83,151
2780	0.41	0.00	166,800	93,085	83,762
2800	0.41	0.00	168,000	93,744	84,373
2820	0.41	0.00	169,200	94,403	84,984
2840	0.41	0.00	170,400	95,062	85,595
2860	0.41	0.00	171,600	95,721	86,206
2880	0.41	0.00	172,800	96,380	86,817
2900	0.41	0.00	174,000	97,039	87,428
2920	0.41	0.00	175,200	97,698	88,039
2940	0.41	0.00	176,400	98,357	88,650
2960	0.41	0.00	177,600	99,016	89,261
2980	0.41	0.00	178,800	99,675	89,872
3000	0.41	0.00	180,000	100,334	90,483
3020	0.41	0.00	181,200	100,993	91,094
3040	0.41	0.00	182,400	101,652	91,705
3060	0.41	0.00	183,600	102,311	92,316
3080	0.41	0.00	184,800	102,970	92,927
3100	0.41	0.00	186,000	103,629	93,538
3120	0.41	0.00	187,200	104,288	94,149
3140	0.41	0.00	188,400	104,947	94,760
3160	0.41	0.00	189,600	105,606	95,371
3180	0.41	0.00	190,800	106,265	95,982
3200	0.41	0.00	192,000	106,924	96,593
3220	0.41	0.00	193,200	107,583	97,204
3240	0.41	0.00	194,400	108,242	97,815
3260	0.41	0.00	195,600	108,901	98,426
3280	0.41	0.00	196,800	109,560	99,037
3300	0.41	0.00	198,000	110,219	99,648
3320	0.41	0.00	199,200	110,878	100,259
3340	0.41	0.00	200,400	111,537	100,870
3360	0.41	0.00	201,600	112,196	101,481
3380	0.41	0.00	202,800	112,855	102,092
3400	0.41	0.00	204,000	113,514	102,703
3420	0.41	0.00	205,200	114,173	103,314
3440	0.41	0.00	206,400	114,832	103,925
3460	0.41	0.00	207,600	115,491	104,536
3480	0.41	0.00	208,800	116,150	105,147
3500	0.41	0.00	210,000	116,809	105,758
3520	0.41	0.00	211,200	117,468	106,369
3540	0.41	0.00	212,400	118,127	106,980
3560	0.41	0.00	2		

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WATER QUALITY STRUCTURE
SCALE: 1" = 1'



LEGEND

- 4945 PROPOSED CONTOUR LINE
- 4945.25 EXISTING SPOT ELEVATION
- 4945.25 PROPOSED SPOT ELEVATION
- 1.5% DIRECTION OF FLOW & SLOPE INDICATOR
- TOP OF CURB/ BOTTOM OF CURB
- CATCH BASIN RIM ELEVATION
- FLOW LINE ELEVATION
- LOW POINT
- HIGH POINT

GRADING NOTES

- CUT SLOPES SHALL HAVE A MAXIMUM RATIO OF 2:1 HORIZONTAL TO VERTICAL AND FILL SLOPES SHALL HAVE A MAXIMUM RATIO OF 3:1 HORIZONTAL TO VERTICAL.
- FINISHED GRADES, CONTOURS, AND ELEVATIONS INDICATED ON THE GRADING AND DRAINAGE PLAN DESCRIBE FINAL SURFACE ELEVATIONS FOR COMPLETED CONSTRUCTION UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL REVIEW THE DETAILS AND SPECIFICATIONS TO ASCERTAIN SPECIFIC WORK LIMITS AND REQUIREMENTS.
- CONTRACTOR SHALL VERIFY ALL EXISTING GRADES IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE.
- CONSULT ALL OF THE DRAWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS BEFORE COMMENCING CONSTRUCTION.
- WHERE NEW PAVING OR EARTHWORK MEETS EXISTING PAVING OR EARTHWORK SMOOTHLY BLEND LINE AND GRADE OF EXISTING WITH NEW. ALL RIDGES AND VALLEYS SHALL HAVE A SMOOTH TRANSITION.
- GRADE EVENLY BETWEEN SPOT GRADES SHOWN ON DRAWINGS. ALL PAVED AREAS MUST GRADE TO DRAIN AT A MINIMUM OF ONE-EIGHTH INCH (1/8") PER FOOT. ANY DISCREPANCIES NOT ALLOWING THIS TO OCCUR SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE PRIOR TO CONTINUING WORK.
- PRIOR TO COMMENCING ANY EXCAVATION WORK, THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN ACCORDANCE WITH THE REQUIRED PROCEDURES.
- THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE DIAGRAMMATIC ONLY, AND ALL UTILITIES MAY NOT BE SHOWN. THE CONTRACTOR SHALL CONTACT THE PROPER LOCAL AUTHORITIES OR RESPECTIVE UTILITY COMPANY TO CONFIRM THE LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ANY DAMAGE DUE TO FAILURE OF THE CONTRACTOR TO CONTACT THE PROPER AUTHORITIES SHALL BE BORNE BY THE CONTRACTOR.
- EXCAVATION REQUIRED WITHIN PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO COST TO OWNER.
- ANY AREA DISTURBED OUTSIDE THE LIMIT OF DISTURBANCE/PROPERTY LINE SHALL BE RESTORED TO ITS ORIGINAL CONDITIONS AT NO COST TO OWNER.
- CONTRACTOR SHALL SUPPLY AND MAINTAIN FOR THE DURATION OF CONSTRUCTION ALL NECESSARY DEVICES FOR EROSION, SEDIMENT AND DUST CONTROL, SUCH AS MATT BALES, GRAVEL, BOARDS, ETC., INCLUDING THOSE DEVICES NECESSARY FOR STOCKPILES AND PROTECTION OF ADJACENT PUBLIC WAYS AND SHALL REMOVE THE DEVICES AFTER PROJECT CLOSEOUT.
- CUT AND FILL SLOPES SHALL BE CONSTRUCTED AS RECOMMENDED BY THE GEOTECHNICAL REPORT.



STORM DRAIN DETENTION

PROJECT NAME

Westview Park Expansion

ADDRESS

6000 West Mountain View Corridor West Valley City, Utah

CITY

Salt Lake County

DESIGNED BY

B. Morgan

PROJECT NUMBER

12371

DATE

01/10/24

SHEET

1 OF 1

AREA CALCULATION

HARDSCAPE AREA	0.29 acres	runoff coeff. C:	0.95
ARTIFICIAL TURF LANDSCAPE AREA	0.18 acres	runoff coeff. C:	0.35
TOTAL AREA	0.87 acres	WEIGHTED C:	0.72

RUNOFF CALCULATION

100 Year Design Storm		Allowable Runoff	0.2 cfs/acre
		Total allowable runoff	0.114 cfs

Time (min)	CA (Acres)	Precipitation (in/hr)	Time (sec)	Cumulative Runoff (cfs)	Allowed Runoff (cfs)	Storage (ft³)
5	0.41	6.24	300	771	34	793
10	0.41	4.73	600	1,144	89	1,706
15	0.41	3.92	900	1,454	103	1,351
20	0.41	2.64	1,800	1,958	206	1,752
30	0.41	1.64	3,600	2,433	412	2,024
45	0.41	0.90	7,200	2,887	823	1,844
60	0.41	0.61	10,800	2,708	1,235	1,470
75	0.41	0.41	21,600	2,401	2,470	4,041
90	0.41	0.19	43,200	3,343	4,941	10,421
105	0.41	0.10	64,800	3,702	9,881	20,301
120	0.41	0.10	86,400	3,702	19,821	30,181
				STORAGE REQUIRED		20,301
				STORAGE PROVIDED		3,245

OUTLET CONTROL

Orifice Parameters		Orifice Size	
Q (cfs) =	0.114	Area = Q/C x (2 x g x h) ^{0.5}	
coefficient(C) =	0.6	Area (m²) =	1.66
g (m/s²) =	32.2	Width (in) =	8
High Water =	4,450.85	Height (in) =	0.85
FL @ orifice =	4,457.87	Diameter (in) =	1.58
h (ft) =	3.0		

(Orifice coefficient is taken from: McCuan, Richard / Hydrologic Design Methods (2019) p.424)

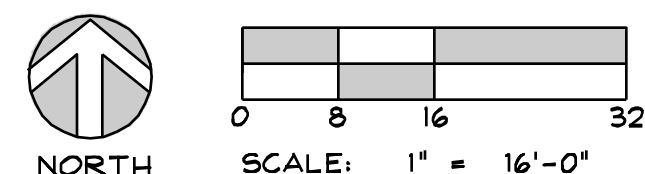
	Area	Cut	Fill	Net
Parking lot volume	8604.26 Sq. Ft.	0.00 Cu. Ft.	3284.01 Cu. Ft.	3245.67 Cu. Ft.

BID SET

INFILTRATION WELL CALCULATIONS

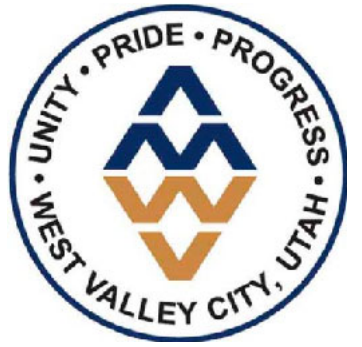
INFILTRATION WELL-A (5' dia x 7.5' deep)		Volumetric Runoff Coefficient (Granato method)	$R_v = 0.225 + 0.05$ (when $i < 0.55$) $R_v = 0.225(0.33) + 0.05$ $R_v = 0.12$
DRAINAGE AREA:	10,136 sf	Water Quality Volume	$HQV = R_v A$ $HQV = (0.12) (0.46) (10,136) / (12 \text{ in/ft})$ $HQV = 47 \text{ cf}$ (5' dia. x 7.5' deep dry well = 147 cf)
IMPERVIOUS AREA:	3,354 sf		
PERVIOUS AREA:	6,782 sf		
IMPERVIOUSNESS:	0.33		
80th PERCENTILE STORM DEPTH	0.46 inches		
INFILTRATION WELL-B (4' dia x 5.5' deep)		Volumetric Runoff Coefficient (Granato method)	$R_v = 0.225 + 0.05$ (when $i < 0.55$) $R_v = 0.225(0.006) + 0.05$ $R_v = 0.05$
DRAINAGE AREA:	11,309 sf	Water Quality Volume	$HQV = R_v A$ $HQV = (0.05) (0.46) (11,309) / (12 \text{ in/ft})$ $HQV = 22 \text{ cf}$ (4' dia. x 5.5' deep dry well = 64 cf)
IMPERVIOUS AREA:	74 sf		
PERVIOUS AREA:	11,235 sf		
IMPERVIOUSNESS:	0.006		
80th PERCENTILE STORM DEPTH	0.46 inches		
INFILTRATION WELL-C (3' dia x 2' deep)		Volumetric Runoff Coefficient (Granato method)	$R_v = 0.225 + 0.05$ (when $i < 0.55$) $R_v = 0.225(0.07) + 0.05$ $R_v = 0.07$
DRAINAGE AREA:	1,028 sf	Water Quality Volume	$HQV = R_v A$ $HQV = (0.07) (0.46) (1,028) / (12 \text{ in/ft})$ $HQV = 3 \text{ cf}$ (3' dia. x 2' deep dry well = 14 cf)
IMPERVIOUS AREA:	952 sf		
PERVIOUS AREA:	74 sf		
IMPERVIOUSNESS:	0.07		
80th PERCENTILE STORM DEPTH	0.46 inches		

SCALE & NORTH ARROW



Arc Sio
Design, Inc
Landscape Architecture &
Architectural Site Design

1058 East 2100 South
Salt Lake City, Utah 84106
office 801.487.4923
fax 801.466.3046
www.arcsitedesign.com



consultant:

project
West View
Park
Expansion

4059 South 6000 West
West Valley City, UT

date
March 8, 2024

revisions

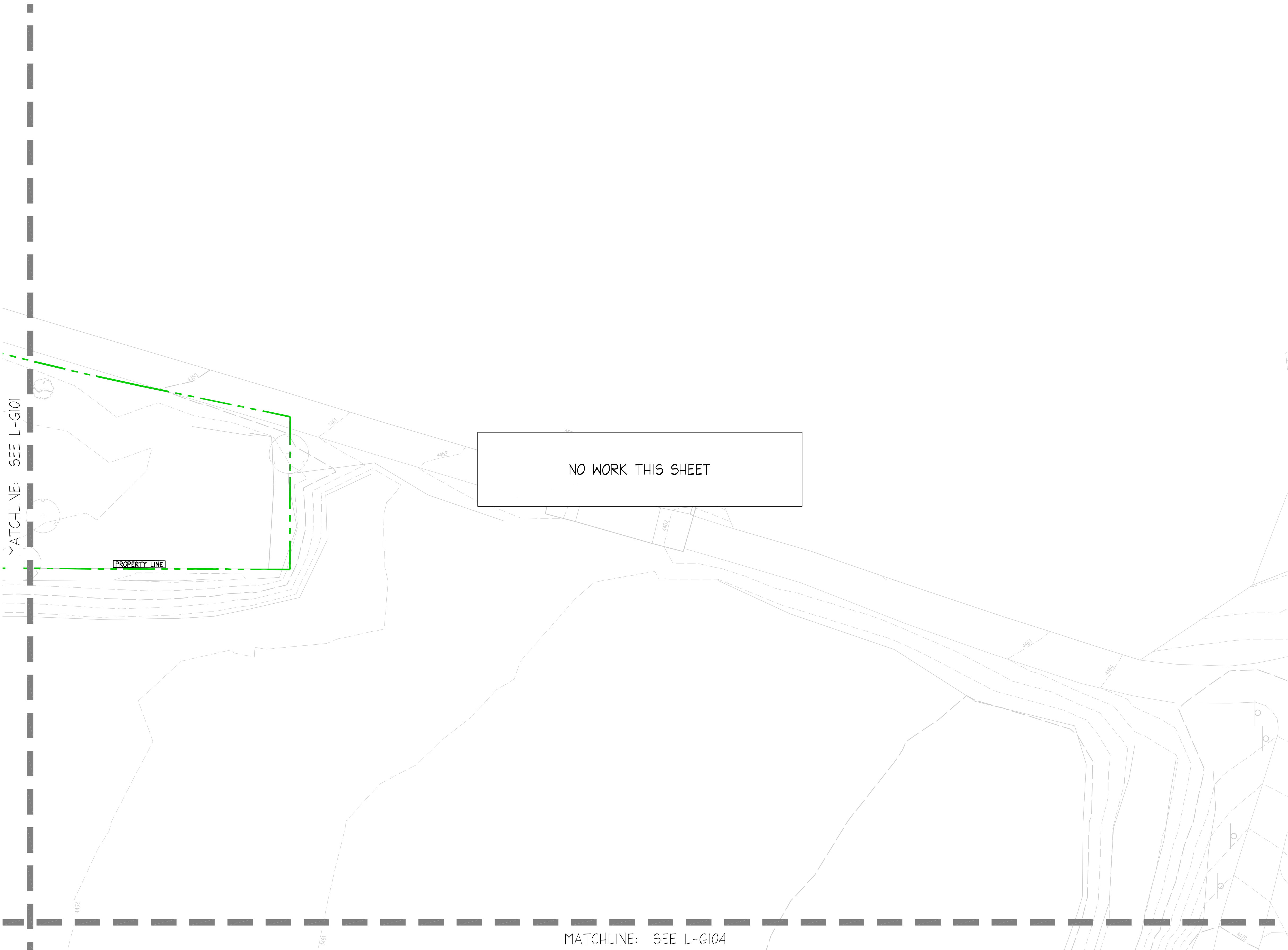
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GRADING AND
DRAINAGE PLAN

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SECTION

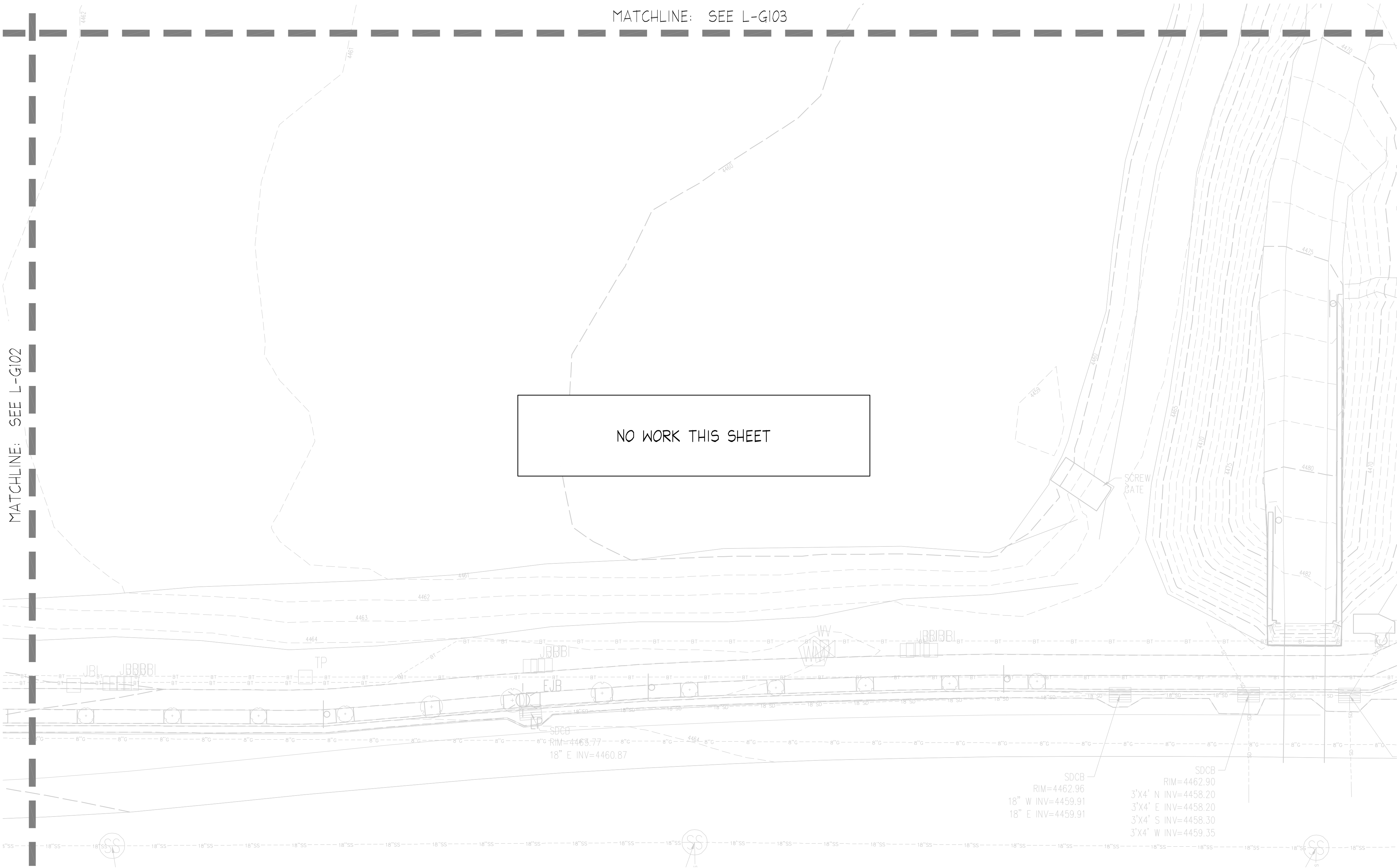


LEGEND

- 4945 PROPOSED CONTOUR LINE
- 4945.25 EXISTING SPOT ELEVATION
- 4945.25 PROPOSED SPOT ELEVATION
- 1.5% DIRECTION OF FLOW & SLOPE INDICATOR
- tc/bc TOP OF CURB/ BOTTOM OF CURB
- rim CATCH BASIN RIM ELEVATION
- fl FLOW LINE ELEVATION
- lp LOW POINT
- hp HIGH POINT

GRADING NOTES

- CUT SLOPES SHALL HAVE A MAXIMUM RATIO OF 2:1 HORIZONTAL TO VERTICAL AND FILL SLOPES SHALL HAVE A MAXIMUM RATION OF 3:1 HORIZONTAL TO VERTICAL.
- FINISHED GRADES, CONTOURS, AND ELEVATIONS INDICATED ON THE GRADING AND DRAINAGE PLAN DESCRIBE FINAL SURFACE ELEVATIONS FOR COMPLETED CONSTRUCTION UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL REVIEW THE DETAILS AND SPECIFICATIONS TO ASCERTAIN SPECIFIC WORK LIMITS AND REQUIREMENTS.
- CONTRACTOR SHALL VERIFY ALL EXISTING GRADES IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE.
- CONSULT ALL OF THE DRAHWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS BEFORE COMMENCING CONSTRUCTION.
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- GRADE EVENLY BETWEEN SPOT GRADES SHOWN ON DRAWINGS. ALL PAVED AREAS MUST GRADE TO DRAIN AT A MINIMUM OF ONE-EIGHTH INCH (1/8") PER FOOT. ANY DISCREPANCIES NOT ALLOWING THIS TO OCCUR SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE PRIOR TO CONTINUING WORK.
- PRIOR TO COMMENCING ANY EXCAVATION WORK, THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN ACCORDANCE WITH THE REQUIRED PROCEDURES.
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- ANY AREA DISTURBED OUTSIDE THE LIMIT OF DISTURBANCE/PROPERTY LINE SHALL BE RESTORED TO ITS ORIGINAL CONDITIONS AT NO COST TO OWNER.
- CONTRACTOR SHALL SUPPLY AND MAINTAIN FOR THE DURATION OF CONSTRUCTION ALL NECESSARY DEVICES FOR EROSION, SEDIMENT AND DUST CONTROL, SUCH AS MAY BALES, GRAVEL, BOARDS, ETC., INCLUDING THOSE DEVICES NECESSARY FOR STOCKPILES AND PROTECTION OF ADJACENT PUBLIC WAYS AND SHALL REMOVE THE DEVICES AFTER PROJECT CLOSEOUT.
- CUT AND FILL SLOPES SHALL BE CONSTRUCTED AS RECOMMENDED BY THE GEOTECHNICAL REPORT.



LEGEND

- 4445 PROPOSED CONTOUR LINE
- 4445.25 EXISTING SPOT ELEVATION
- 4445.25 PROPOSED SPOT ELEVATION
- 1.5% DIRECTION OF FLOW & SLOPE INDICATOR
- tc/bc TOP OF CURB/ BOTTOM OF CURB
- rim CATCH BASIN RIM ELEVATION
- fl FLOW LINE ELEVATION
- lp LOW POINT
- hp HIGH POINT

GRADING NOTES

- CUT SLOPES SHALL HAVE A MAXIMUM RATIO OF 2:1 HORIZONTAL TO VERTICAL AND FILL SLOPES SHALL HAVE A MAXIMUM RATION OF 3:1 HORIZONTAL TO VERTICAL.
- FINISHED GRADES, CONTOURS, AND ELEVATIONS INDICATED ON THE GRADING AND DRAINAGE PLAN DESCRIBE FINAL SURFACE ELEVATIONS FOR COMPLETED CONSTRUCTION UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL REVIEW THE DETAILS AND SPECIFICATIONS TO ASCERTAIN SPECIFIC WORK LIMITS AND REQUIREMENTS.
- CONTRACTOR SHALL VERIFY ALL EXISTING GRADES IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE.
- CONSULT ALL OF THE DRAWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS BEFORE COMMENCING CONSTRUCTION.
- WHERE NEW PAVING OR EARTHWORK MEETS EXISTING PAVING OR EARTHWORK SMOOTHLY BLEND LINE AND GRADE OF EXISTING WITH NEW. ALL RIDGES AND VALLEYS SHALL HAVE A SMOOTH TRANSITIONS.
- GRADE EVENLY BETWEEN SPOT GRADES SHOWN ON DRAWINGS. ALL PAVED AREAS MUST GRADE TO DRAIN AT A MINIMUM OF ONE-EIGHTH INCH (1/8") PER FOOT. ANY DISCREPANCIES NOT ALLOWING THIS TO OCCUR SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE PRIOR TO CONTINUING WORK.
- PRIOR TO COMMENCING ANY EXCAVATION WORK, THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN ACCORDANCE WITH THE REQUIRED PROCEDURES.
- THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE DIAGRAMMATIC ONLY, AND ALL UTILITIES MAY NOT BE SHOWN. THE CONTRACTOR SHALL CONTACT THE PROPER LOCAL AUTHORITIES OR RESPECTIVE UTILITY COMPANY TO CONFIRM THE LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ANY DAMAGE DUE TO FAILURE OF THE CONTRACTOR TO CONTACT THE PROPER AUTHORITIES SHALL BE BORNE BY THE CONTRACTOR.
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- CONTRACTOR SHALL SUPPLY AND MAINTAIN FOR THE DURATION OF CONSTRUCTION ALL NECESSARY DEVICES FOR EROSION, SEDIMENT AND DUST CONTROL, SUCH AS MAT BARRIERS, GRAVEL, BARBERS, ETC., INCLUDING THOSE DEVICES NECESSARY FOR STOCKPILES AND PROTECTION OF ADJACENT PUBLIC WAYS AND SHALL REMOVE THE DEVICES AFTER PROJECT CLOSEOUT.
- CUT AND FILL SLOPES SHALL BE CONSTRUCTED AS RECOMMENDED BY THE GEOTECHNICAL REPORT.

STORM DRAIN DETENTION					
Project: Westview Park Expansion			Project Number: 12371		
Location: 6000 West Mountain View Corridor West Valley City, Utah			Date: 01/10/24		
Client: Salt Lake County			Scale: 1 OF 1		
Designer: B. Morgan			Checker: [Signature]		
AREA CALCULATION					
HARDSCAPE AREA:		0.29 acres	runoff coeff. C:		0.95
ARTIFICIAL TURF:		0.12	runoff coeff. C:		0.65
LANDSCAPE AREA:		0.16 acres	runoff coeff. C:		0.35
TOTAL AREA:		0.57 acres	WEIGHTED C:		0.72
RUNOFF CALCULATION					
100 Year Design Storm			Allowable Runoff: 0.2 cfs/ao		
Total allowable runoff: 0.114 cfs					
Time (min)	CA (Acres)	Precipitation (in/hr)	Cumulative Runoff (cfs)	Allowed Runoff (cfs)	Storage (ft³)
0	0.41	6.24	300	771	34
10	0.41	4.75	600	1,174	89
15	0.41	3.92	900	1,454	103
20	0.41	2.64	1,800	1,958	206
30	0.41	1.64	3,600	2,433	3,021
40	0.41	0.90	7,200	2,887	823
60	0.41	0.61	10,800	2,708	1,235
80	0.41	0.41	21,600	2,401	2,470
100	0.41	0.19	43,200	3,348	4,941
1440	0.41	0.10	86,400	3,705	9,881
STORAGE REQUIRED:				3,245	
STORAGE PROVIDED:				3,245	
OUTLET CONTROL					
Orifice Parameters			Orifice Size		
Q (cfs) =	0.114	Area = Q/C x (2 x g x h) ^{0.5}			
coefficient(C) =	0.8	Area (m²) =	1.88		
g (ft/s²) =	32.2	Width (in) =	8		
High Water =	4,460.83	Height (in) =	0.85		
FL @ orifice =	4,457.87	Diameter (in) =	1.88		
h (ft) =	3.01				
(Orifice coefficient is taken from: McCuen, Richard / Hydrologic Design Methods 1989 p.424)					

Area	Cut	Fill	Net
Parking lot volume	8604.26 Sq. Ft.	0.00 Cu. Ft.	3284.01 Cu. Ft.
			3245.67 Cu. Ft.

INFILTRATION WELL CALCULATIONS

INFILTRATION WELL-A (5' dia x 7.5' deep)

DRAINAGE AREA:	10,138 sf
IMPERVIOUS AREA:	3,354 sf
PERVIOUS AREA:	6,782 sf
IMPERVIOUSNESS:	0.33
80th PERCENTILE STORM DEPTH	0.46 inches

Volumetric Runoff Coefficient (Granada method)

$$R_v = 0.225 + 0.05 \text{ (when } i < 0.55)$$
$$R_v = 0.225(0.33) + 0.05$$
$$R_v = 0.12$$

Water Quality Volume

$$WQV = R_v A$$
$$WQV = (0.12) (0.46) (10,136) / (12 \text{ in/ft.})$$
$$WQV = 47 \text{ cf (5' dia. x 7.5' deep dry well = 147 cf)}$$

where: R_v = volumetric runoff coefficient, unitless
 d = 80th percentile storm depth, ft
 A = drainage area, sf

INFILTRATION WELL-B (4' dia x 5.5' deep)

DRAINAGE AREA:	11,309 sf
IMPERVIOUS AREA:	74 sf
PERVIOUS AREA:	11,235 sf
IMPERVIOUSNESS:	0.006
80th PERCENTILE STORM DEPTH	0.46 inches

Volumetric Runoff Coefficient (Granada method)

$$R_v = 0.225 + 0.05 \text{ (when } i < 0.55)$$
$$R_v = 0.225(0.006) + 0.05$$
$$R_v = 0.05$$

Water Quality Volume

$$WQV = R_v A$$
$$WQV = (0.05) (0.46) (11,309) / (12 \text{ in/ft.})$$
$$WQV = 22 \text{ cf (4' dia. x 5.5' deep dry well = 69 cf)}$$

INFILTRATION WELL-C (3' dia x 2' deep)

DRAINAGE AREA:	1,028 sf
IMPERVIOUS AREA:	74 sf
PERVIOUS AREA:	952 sf
IMPERVIOUSNESS:	0.07
80th PERCENTILE STORM DEPTH	0.46 inches

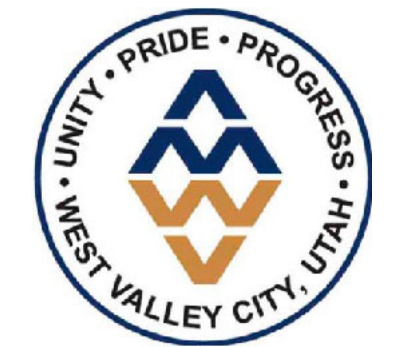
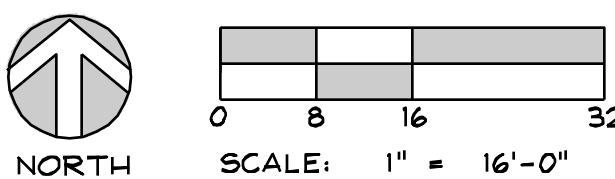
Volumetric Runoff Coefficient (Granada method)

$$R_v = 0.225 + 0.05 \text{ (when } i < 0.55)$$
$$R_v = 0.225(0.07) + 0.05$$
$$R_v = 0.07$$

Water Quality Volume

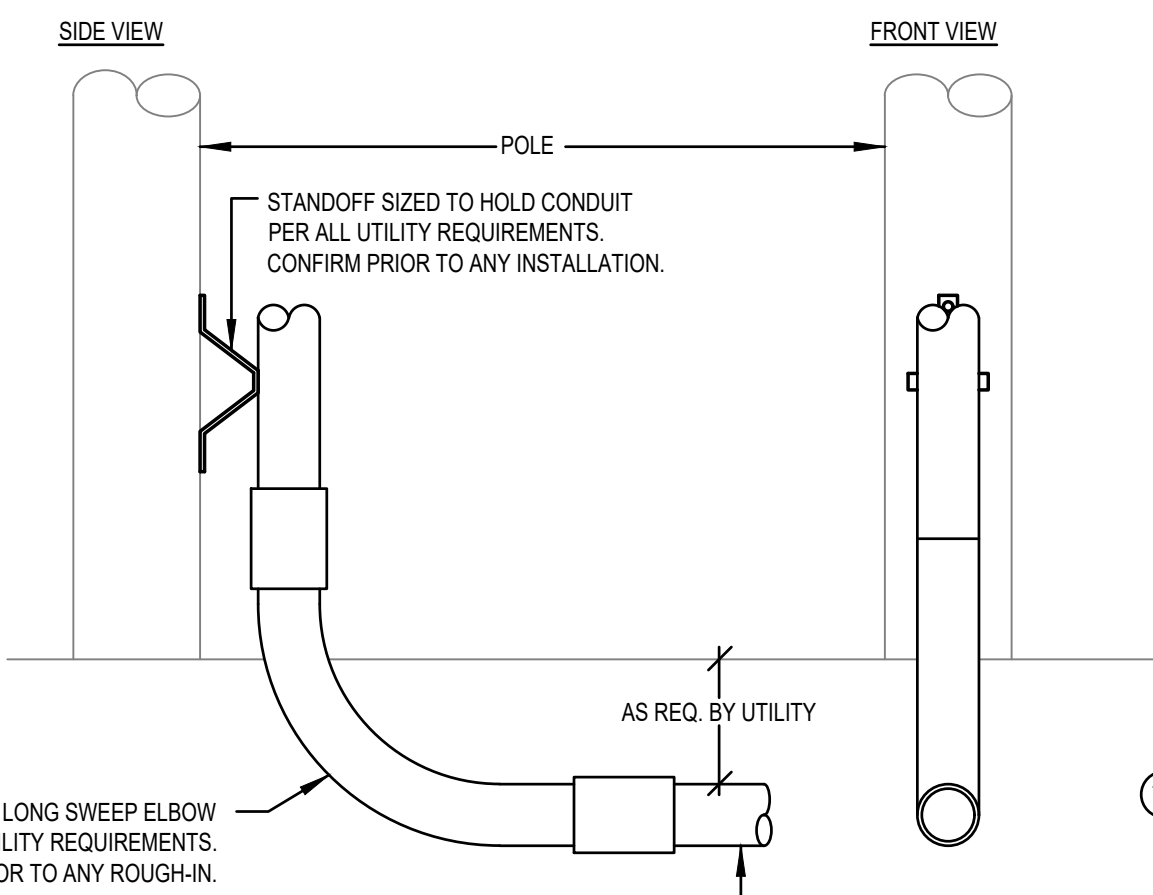
$$WQV = R_v A$$
$$WQV = (0.07) (0.46) (1,026) / (12 \text{ in/ft.})$$
$$WQV = 3 \text{ cf (3' dia. x 2' deep dry well = 14 cf)}$$

SCALE & NORTH ARROW

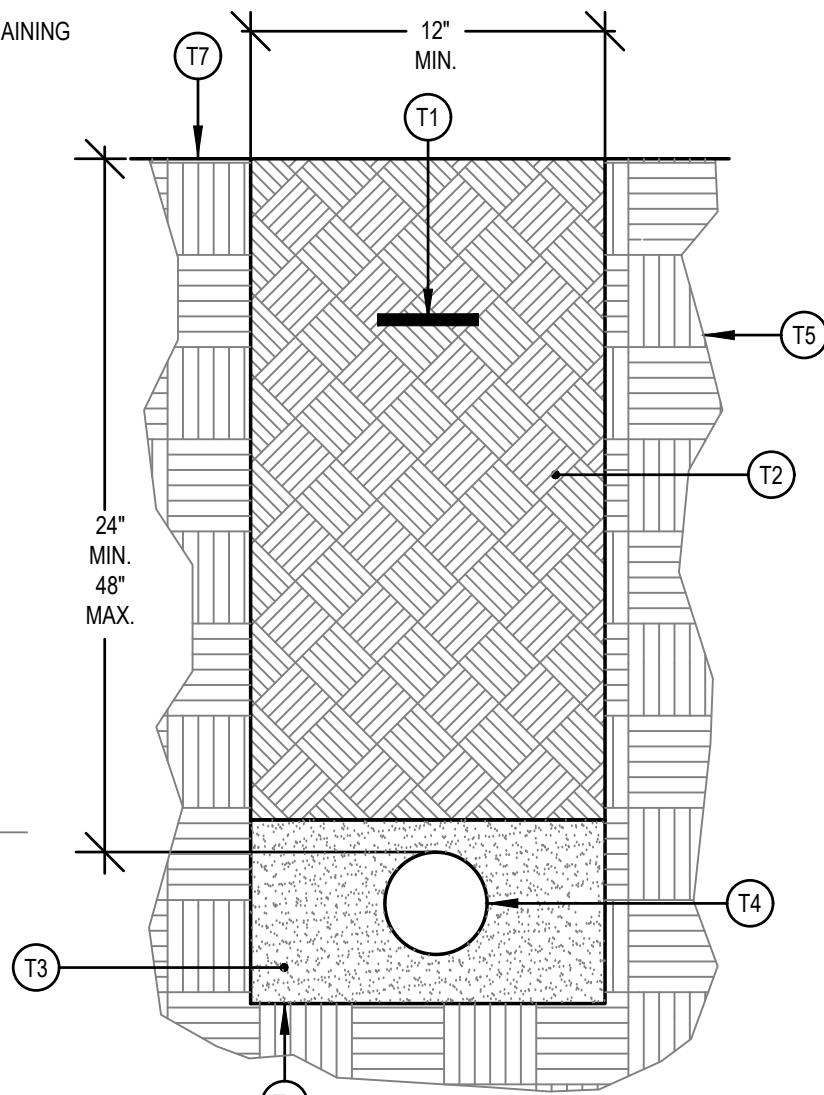


UTILITY POLE CONDUIT STUB REQUIREMENTS:

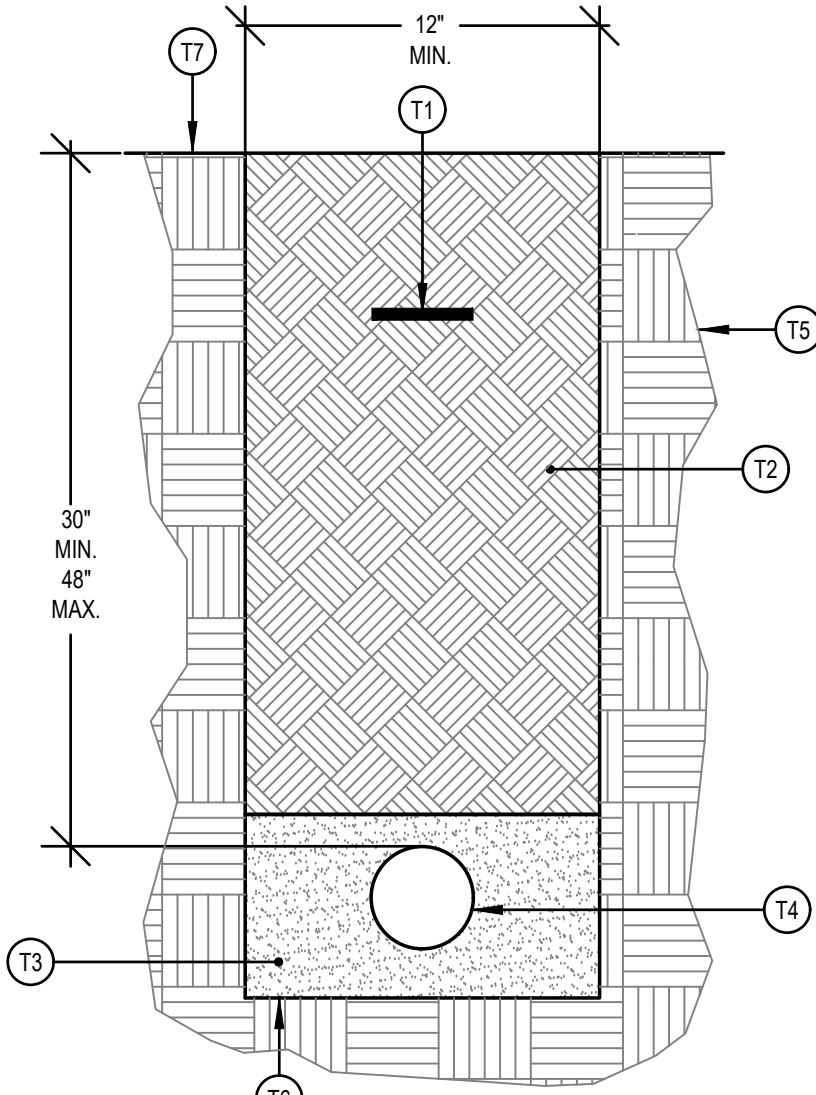
1. THE CONTRACTOR SHALL INSTALL 1ST STANDOFF, LONG SWEEP GALVANIZED ELBOW, AND ADDITIONAL CONDUIT AS REQUIRED BY THE UTILITY FOR A COMPLETE INSTALLATION. UTILITY WILL INSTALL ADDITIONAL STANDOFFS AND REMAINING CONDUIT ONTO POLE. COORDINATE ALL WORK AND ALL REQUIREMENTS WITH THE REQUIRED UTILITY PRIOR TO ANY ROUGH-IN OR ATTACHING ANY STANDOFFS OR CONDUIT TO THE POLE.



6 UTILITY POLE STUB UP DETAIL
SCALE: NONE



5 TRENCH DETAIL
SCALE: NONE
ROCKY MOUNTAIN POWER
(SECONDARY POWER)



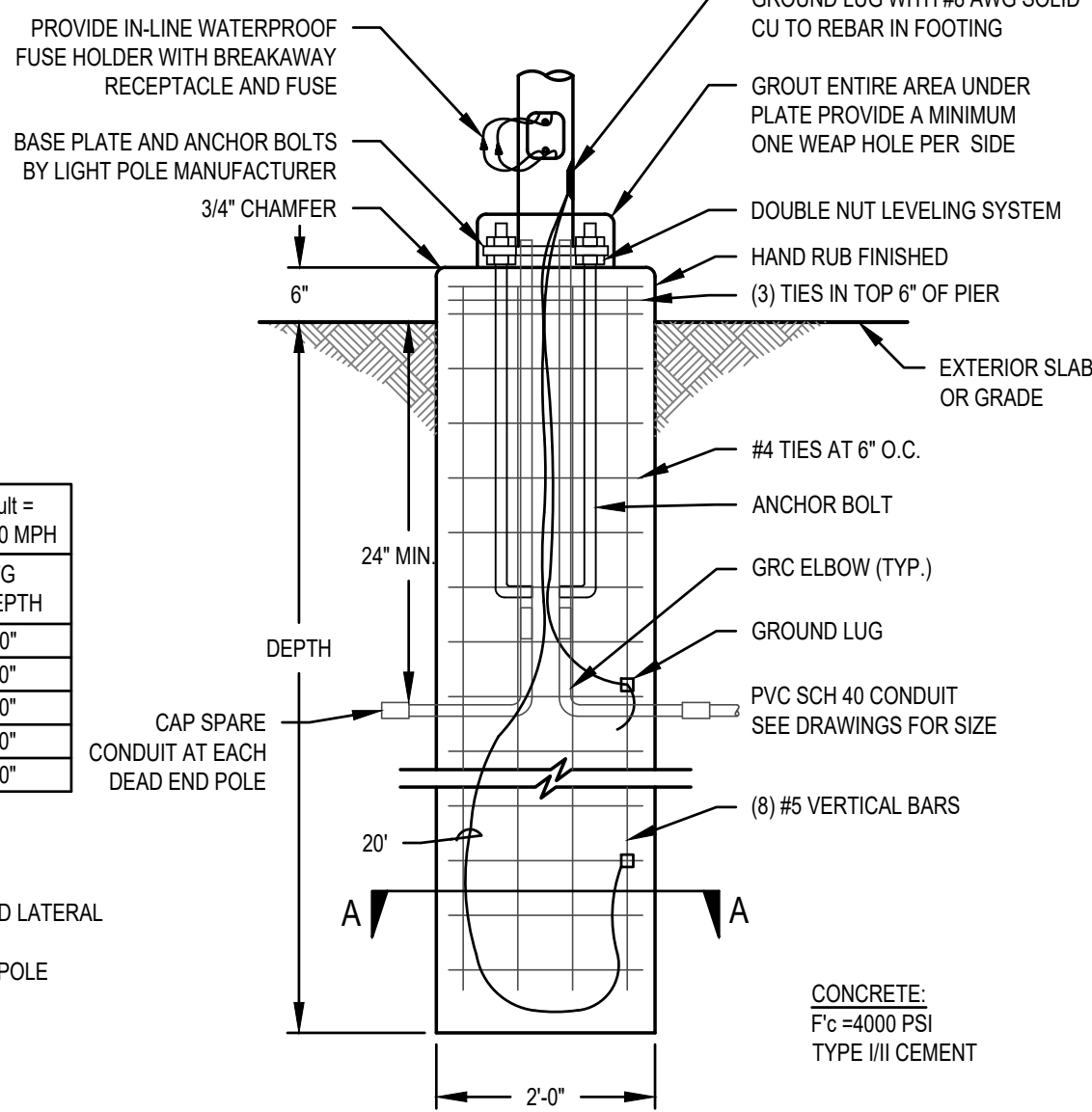
4 TRENCH DETAIL
SCALE: NONE
ROCKY MOUNTAIN POWER
(PRIMARY POWER)

TRENCHING KEYED NOTES: (18)

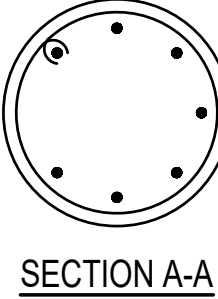
1. MARKER TAPE WITH TRACER WIRE LABELED, "CAUTION BURIED ELECTRIC CONDUITS BELOW" DIRECTLY OVER POWER CONDUITS 6" MINIMUM BELOW GRADE.
2. CLEAN BACKFILL CONTAINING NO ROCKS LARGER THAN 4" DIA.
3. BACKFILL MATERIAL WITHIN 4" TO 6" OF CONDUIT SHALL PASS THROUGH A 3/4" SIEVE FRAME OR SAND WITHOUT ANY SHARP OR FOREIGN OBJECTS.
4. ALL CONDUITS SHOWN SHALL BE SCHEDULE 40 PVC.
5. UNDISTURBED EARTH.
6. TRENCHES SHALL BE A UNIFORM DEPTH FOR ENTIRE LENGTH OF TRENCH SO CONDUITS CAN SIT FLAT (HORIZONTAL) WITH THE GROUND.
7. FINISHED GRADE.

TRENCHING GENERAL NOTES:

1. PROVIDE 1/4" NYLON PULL ROPES IN ALL CONDUITS.
2. HORIZONTAL AND VERTICAL SEPARATION BETWEEN CONDUITS SHALL BE MAINTAINED BY INSTALLING HIGH IMPACT SPACERS WITH HORIZONTAL INTERVALS OF EIGHT FEET.
3. ALL MARKER TAPE SHALL CONTAIN #10 TRACER WIRE.
4. REFER TO THE CURRENT ROCKY MOUNTAIN POWER SIX STATE ESR MANUAL FOR ADDITIONAL INFORMATION.



2 BOLTED LIGHT POLE BASE DETAIL - LANDSCAPE AREA
SCALE: NONE



POLE HEIGHT	FTG DEPTH	FTG DEPTH
8'-0"	4'-0"	4'-0"
12'-0"	4'-0"	5'-0"
20'-0"	5'-0"	6'-0"
30'-0"	6'-0"	7'-0"
40'-0"	6'-0"	8'-0"

DESIGN CRITERIA:
IBC
S_u = 2.0, SOIL SITE CLASS D LATERAL
SOIL BRG = 100 PSF/FT
ASSUMED 4.0 FT³/AT TOP POLE

IN-GRADE JUNCTION BOX NOTES:

1. PROVIDE 6" MIN. OF PEA GRAVEL BELOW BOX.
2. PROVIDE RIGID GALVANIZED STEEL (RGS) ELBOWS WITH APPROVED PIPE WRAP.
3. ORIENTATION AND NUMBER OF CONDUITS ARE SHOWN FOR ILLUSTRATIVE PURPOSES AND WILL VARY ACCORDING TO SPECIFIC LOCATION REQUIREMENTS.

3 IN-GRADE JUNCTION BOX
SCALE: NO SCALE

GENERAL PROJECT NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR READING AND APPLYING WHAT IS IN THE SPECIFICATIONS TO THIS PROJECT. ANYTHING THAT IS NOT INCLUDED ON THE PROJECT THAT IS CALLED OUT IN THE SPECIFICATION SHALL BE LISTED ON THE SUBSTANTIAL COMPLETION FURNISH LIST. THE CONTRACTOR WILL BE REQUIRED TO REMEDY THESE DEFICIENCIES. THERE WILL BE NO EXCEPTIONS.
2. THE CONTRACTOR IS RESPONSIBLE TO ENSURE ALL WIRE IS LARGE ENOUGH FOR VOLTAGE DROP.
3. THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING THE BID, AND SHALL EXAMINE ALL PHYSICAL CONDITIONS WHICH MAY BE MATERIAL TO THE PERFORMANCE OF HIS WORK. NO EXTRA PAYMENTS WILL BE ALLOWED TO THE CONTRACTOR AS A RESULT OF EXTRA WORK MADE NECESSARY BY HIS FAILURE TO DO SO. ANY CASE OF DISCREPANCY OR LACK OF CLARITY SHALL BE PROMPTLY IDENTIFIED TO THE OWNER'S REPRESENTATIVE AND THE ENGINEER FOR CLARIFICATION.

WIRING DEVICE SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
\$	SINGLE-POLE TOGGLE SWITCH	+48"	
\$ ^a	SINGLE-POLE TOGGLE SWITCH	+48"	SUBSCRIPT KEYS SWITCH TO FIXTURES CONTROLLED.
\$ ₂	DOUBLE-POLE TOGGLE SWITCH	+48"	
\$ ₃	THREE-WAY TOGGLE SWITCH	+48"	
\$ ₄	FOUR-WAY TOGGLE SWITCH	+48"	
\$ _K	KEY-OPERATED SINGLE-POLE TOGGLE SWITCH	+48"	
\$ _p	SINGLE-POLE TOGGLE SWITCH WITH PILOT LIGHT	+48"	
\$ _{DM}	DIMMER SWITCH	+48"	RATE DIMMER SWITCH FOR MAXIMUM POSSIBLE WATTAGE
\$ _{TM}	TIMER SWITCH	+48"	
\$ ₂	(2) SINGLE-POLE TOGGLE SWITCH	+48"	DUAL LEVEL SWITCH OUTBOARD LAMPS SEPARATELY FROM INBOARD LAMPS.
\$ _{TV}	LOW VOLTAGE MOMENTARY CONTACT SWITCH	+48"	
\$ _{3PM}	3-POSITION MOMENTARY CONTACT SWITCH	+48"	REFER TO DETAIL UP-ON; CENTER-NEUTRAL; DOWN-OFF
\$ _{3PM}	3-POSITION MAINTAINED CONTACT SWITCH	+48"	UP-ON; CENTER-OFF; DOWN-ON
\$ _{PN}	OCCUPANCY SENSOR	AS NOTED	CEILING MOUNTED WITH SUBSCRIPT 'C'; WALL-MOUNTED WITH SUBSCRIPT 'W'
\$ _{SP}	SPLIT-WIRED DUPLEX RECEPTACLE	+18"	
\$ _{SP}	SIMPLEX RECEPTACLE	+18"	
\$ _{SP}	DUPLEX RECEPTACLE	+18"	
\$ _{SP}	125/250V RECEPTACLE	+18"	RANGE - NEMA 14-50R DRYER - NEMA 14-30R
\$ _{SP}	FOURPLEX RECEPTACLE	+18"	
\$ _{SP}	GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE	+18"	
\$ _{SP}	EMERGENCY DUPLEX RECEPTACLE	+18"	
\$ _{SP}	EMERGENCY FOURPLEX RECEPTACLE	+18"	
\$ _{SP}	MULTI-OUTLET ASSEMBLY	4" ABOVE BACKSPLASH	
\$ _{SP}	POWER / TELEPHONE POLE	FLOOR/CEILING	
\$ _{SP}	CORD DROP WITH DUPLEX RECEPTACLE		REFER TO DETAIL
\$ _{SP}	SPECIAL PURPOSE OUTLET	+18"	SUBSCRIPT IN PARENTHESIS INDICATES NEMA CONFIGURATION IF SHOWN. REFER TO DRAWINGS AND/OR EQUIPMENT SCHEDULES. CONFIRM EXACT CONFIGURATION WITH OWNER PRIOR TO INSTALLATION.

GENERAL SYMBOLS		
SYMBOL	DESCRIPTION	REMARKS
(X)	KEYED NOTE	
1 E-1	DETAIL REFERENCE	TOP NUMBER INDICATES DETAIL NUMBER, BOTTOM LETTER-NUMBER INDICATES WHERE DETAIL IS SHOWN.
2 E-2	ELEVATION REFERENCE	TOP NUMBER INDICATES ELEVATION NUMBER, BOTTOM LETTER-NUMBER INDICATES WHERE ELEVATION IS SHOWN.
3 E-3	SECTION REFERENCE	TOP NUMBER INDICATES SECTION NUMBER, BOTTOM LETTER-NUMBER INDICATES WHERE SECTION IS SHOWN.
100	ARCHITECTURAL ROOM NUMBER	
ANU 1	EQUIPMENT NAME / NUMBER	TOP NUMBER ABBREVIATES EQUIPMENT NAME OR TYPE, BOTTOM NUMBER INDICATES EQUIPMENT NUMBER. REFER TO EQUIPMENT SCHEDULE.
Δ	REVISION NUMBER	USED TO DENOTE CHANGES EITHER ISSUED BY ADDENDUM OR DURING CONSTRUCTION AND TO DENOTE RECORD DRAWING CHANGES.
~	BREAKLINE	USED TO BREAK DRAWINGS.

BRANCH CIRCUITING SYMBOLS		
SYMBOL	DESCRIPTION	REMARKS
→	1 CIRCUIT, 2 WIRE BRANCH CIRCUIT HOME RUN TO PANEL	ARROWS: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS REQUIRED.
→	2 CIRCUIT, 3 WIRE BRANCH CIRCUIT HOME RUN TO PANEL	SHORT CROSS LINES: NUMBER OF SHORT CROSS LINES INDICATES NUMBER OF PHASE, TRAVELER, AND/OR SWITCHED CONDUCTORS REQUIRED IF GREATER THAN 1 (ONE).
→	3 CIRCUIT, 4 WIRE BRANCH CIRCUIT HOME RUN TO PANEL	LONG CROSS LINES: NUMBER OF LONG CROSS LINES INDICATES NUMBER OF NEUTRAL CONDUCTORS REQUIRED FOR MULTI-WIRE HOME RUNS.
→	MULTIPLE WIRE BRANCH CIRCUITING BETWEEN FIXTURES, SWITCHES, DEVICES, ETC.	EQUIPMENT GROUND AND ISOLATED GROUND CONDUCTORS, EQUIPMENT GROUND AND ISOLATED GROUND CONDUCTORS ARE NOT SHOWN, BUT ARE REQUIRED AS NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS.
→	BRANCH CIRCUITING (U.N.O.) TURNED UP OR TOWARDS OBSERVER.	
→	BRANCH CIRCUITING (U.N.O.) TURNED DOWN OR AWAY FROM OBSERVER.	
→	BRANCH CIRCUITING (U.N.O.) CONTINUATION	
→	CONDUIT STUB-IN	CAP AND MARK
→	INCOMING SERVICE	
○	JUNCTION BOX	MOUNT AS NOTED. SUBSCRIPT 'F' INDICATES TO PROVIDE A FLOOR BOX WITH BLANK COVERPLATE

ABBREVIATION SCHEDULE			
NOTE: NOT ALL ABBREVIATIONS MAY BE USED			
A	ABOVE COUNTER	ISO	ISOLATED
AMP	AMP OR AMPS	KVA	KILO VOLT AMPERES
ADJ	ADJACENT	KW	KILOWATTS
AF	ABOVE FINISHED FLOOR	LFMC	LIQUID-TIGHT METAL CONDUIT
AHJ	AUTHORITY HAVING JURISDICTION	LFNC	LIQUID-TIGHT NONMETAL CONDUIT
AL	ALUMINUM	MCA	MINIMUM CIRCUIT AMPS
C	CONDUIT	MLO	MAIN LUGS ONLY
CB	CIRCUIT BREAKER	N.C.	NORMALLY CLOSED
OKT	CIRCUIT	N.I.C.	NOT IN CONTRACT
C.O.S	CONVENIENCE OUTLETS	N.L.	NIGHT LIGHT
CU	COPPER	N.O.	NORMALLY OPEN
EA	EACH	O.C.	ON CENTER(S)
ELEC	ELECTRICAL	OCP	OVER CURRENT PROTECTION
EM	EMERGENCY	QTY	QUANTITY
EMT	ELECTRIC METALLIC TUBING	R	REMOVE
ENT	ELECTRIC NONMETALLIC TUBING	REQ.	REQUIREMENTS
EQUIP	EQUIPMENT	RNC	RIGID METAL CONDUIT
EWC	ELECTRIC WATER COOLER	RNC	RIGID NONMETALLIC CONDUIT
E, EX	EXISTING	REMOVE	REMOVE AND RELOCATE
EXP	EXPLOSION PROOF	SS	SURGE SUPPRESSION
FA	FIRE ALARM	SCP	SECURITY CONTROL PANEL
FACP	FIRE ALARM CONTROL PANEL	TR	TAMPER RESISTANT
FLL	FULL LOAD AMPS	TYP	TYPICAL
FMC	FLEXIBLE METAL CONDUIT	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
FOD	FREIGHT ON BOARD	UF	UNDER FLOOR
GND	GROUND CONDUCTOR	UG	UNDERGROUND
HSA	HAND-OFF-AUTO	U.N.O.	UNLESS NOTED OTHERWISE
HP	HORSE POWER	W	WITH
IC	ISOLATED GROUND	WP	WEATHER PROOF
IMC	INTERMEDIATE METAL CONDUIT	WTR	WATER
INS	INSULATED		

LIGHT FIXTURE SCHEDULE											
TYPE	MANUFACTURER	CATALOG NO.	DESCRIPTION	MOUNTING	VOLTAGE	WATTS	DRIVER/BALLAST		LAMP		COMMENTS
							TYPE	QTY	TYPE	QTY	
A12	AAL - HEAD AAL - POLE	UCM2-SR-ANG-36LED-615-4K7-2-CL-HS-SCBA-SLA4-UNV-D86-4R16-125-16-SCBA	SINGLE HEAD AREA LIGHT IES TYPE 2 DISTRIBUTION STANDARD COLOR BY OWNER 16" HIGH DECORATIVE POLE STANDARD COLOR BY OWNER	16" POLE	UNV	72	ELECTRONIC	1	LED 4000K	-	

ABBREVIATION SCHEDULE			
A.F.F.	ABOVE FINISHED FLOOR		
WALL/COLG.	WALL MOUNT AT CORNER OF WALL AND CEILING		
SCBA	CUSTOM PAINTED COLOR AS SELECTED BY THE ARCHITECT		
CPBA	STANDARD PAINTED COLOR AS SELECTED BY THE ARCHITECT		
SPBA	CUSTOM FINISH AS SELECTED BY THE ARCHITECT		
MDO	STANDARD FINISH AS SELECTED BY THE ARCHITECT		
BF	MODIFY STANDARD LIGHT FIXTURE AS INDICATED		
THE	BALLAST FACTOR		
UNV	TOTAL HARMONIC DISTORTION		
N/A	UNIVERSAL		
INCL	NOT APPLICABLE		
MT	INCLUDED WITH FIXTURE		
MVOLT	MULTI-TAP BALLAST		
	MULTI-VOLT BALLAST		

LIGHT FIXTURE PRIOR APPROVAL REQUIREMENTS			
1.	PRIOR APPROVAL IS REQUIRED BEFORE BIDDING THIS PROJECT		
2.	PRIOR APPROVALS SHALL BE SUBMITTED TO THE ELECTRICAL ENGINEER'S OFFICE AT LEAST (8) WORKING DAYS BEFORE BID TIME. PRIOR APPROVALS RECEIVED AFTER THIS TIME PERIOD SHALL BE REJECTED.		
3.	PRIOR APPROVALS SHALL BE SIGNED BY A PRINCIPAL OF THE SUBMITTING ORGANIZATION STATING THAT THEY HAVE PREPARED AND/OR REVIEWED THE SUBMITTALS AND THAT THE PRODUCTS PROPOSED ARE EQUIVALENT TO THOSE SPECIFIED. ANY EXCEPTIONS SHALL BE SO NOTED.		
4.	ITEMS THAT ARE SUBMITTED AND HAVE BEEN APPROVED WILL BE LISTED IN THE ADDENDUM(S). VERBAL APPROVALS WILL NOT BE GIVEN ON ANY ITEM.		
5.	IT IS NOT THE RESPONSIBILITY OF THE ELECTRICAL ENGINEER TO NOTIFY THE SUBMITTING PARTY OF ERRORS IN THE SUBMITTAL. NOTIFICATION OF ERRORS BY THE ELECTRICAL ENGINEER PRIOR TO ISSUANCE OF THE ADDENDUM(S) MAY NOT BE GIVEN.		
6.	PRIOR APPROVALS SHALL CONSIST OF TWO SETS OF CUT SHEETS DESCRIBING THE PRODUCTS BEING SUBMITTED AS EQUIVALENTS. FAXES ARE NOT ACCEPTABLE. ALL SPECIFICATION INFORMATION SHALL BE CLEARLY MARKED WITH NON-APPLICABLE INFORMATION CROSSED OUT. COMPLETE PHOTOMETRIC DATA SHALL BE PROVIDED. PRODUCTS WITHOUT PHOTOMETRIC DATA WILL NOT BE APPROVED.		

LIGHT FIXTURE GENERAL NOTES			
REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF LIGHT FIXTURES. BRING ALL DISCREPANCIES OF LOCATIONS AND QUANTITIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING.			
REFER TO THE ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS AND LOCATIONS OF LIGHT FIXTURES. BRING ALL DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING.			
REFER TO THE SPECIFICATIONS FOR OTHER LIGHT FIXTURE, BALLAST, AND LAMP REQUIREMENTS AND ACCEPTABLE MANUFACTURERS.			
REFER TO ARCHITECTURAL DRAWINGS FOR LOUVER REQUIREMENTS (IF ANY).			
CONFIRM AVAILABLE MOUNTING DEPTHS OF ALL LIGHT FIXTURES AND COMPARE WITH DEPTHS SHOWN ON SHOP DRAWING. BRING ALL POTENTIAL CONFLICT AREAS TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO RELEASE.			

BIDDING REQUIREMENTS			
BID ONLY PRODUCTS THAT ARE SPECIFIED OR APPROVED BY ADDENDUM.			
PACKAGING OF LIGHT FIXTURES WITH OTHER SYSTEMS IS <u>NOT</u> ALLOWED.			
WHEN ONLY ONE PRODUCT IS APPROVED FOR BIDDING, THE PRICE FOR THAT ITEM SHALL BE BROKEN OUT SEPARATELY WHEN SUBMITTING PRICING TO VARIOUS DISTRIBUTORS AND/OR CONTRACTOR.			
WHEN A CONTRADICTION EXISTS BETWEEN A SPECIFIC MODEL NUMBER AND THE DESCRIPTION, THE DESCRIPTION SHALL GOVERN.			



01/23/2024

consultant:



ENV/2023-072.00

BID SET

project
West View
Park
Expansion

4059 South 6000 West
West Valley City, UT

date
January 23, 2024

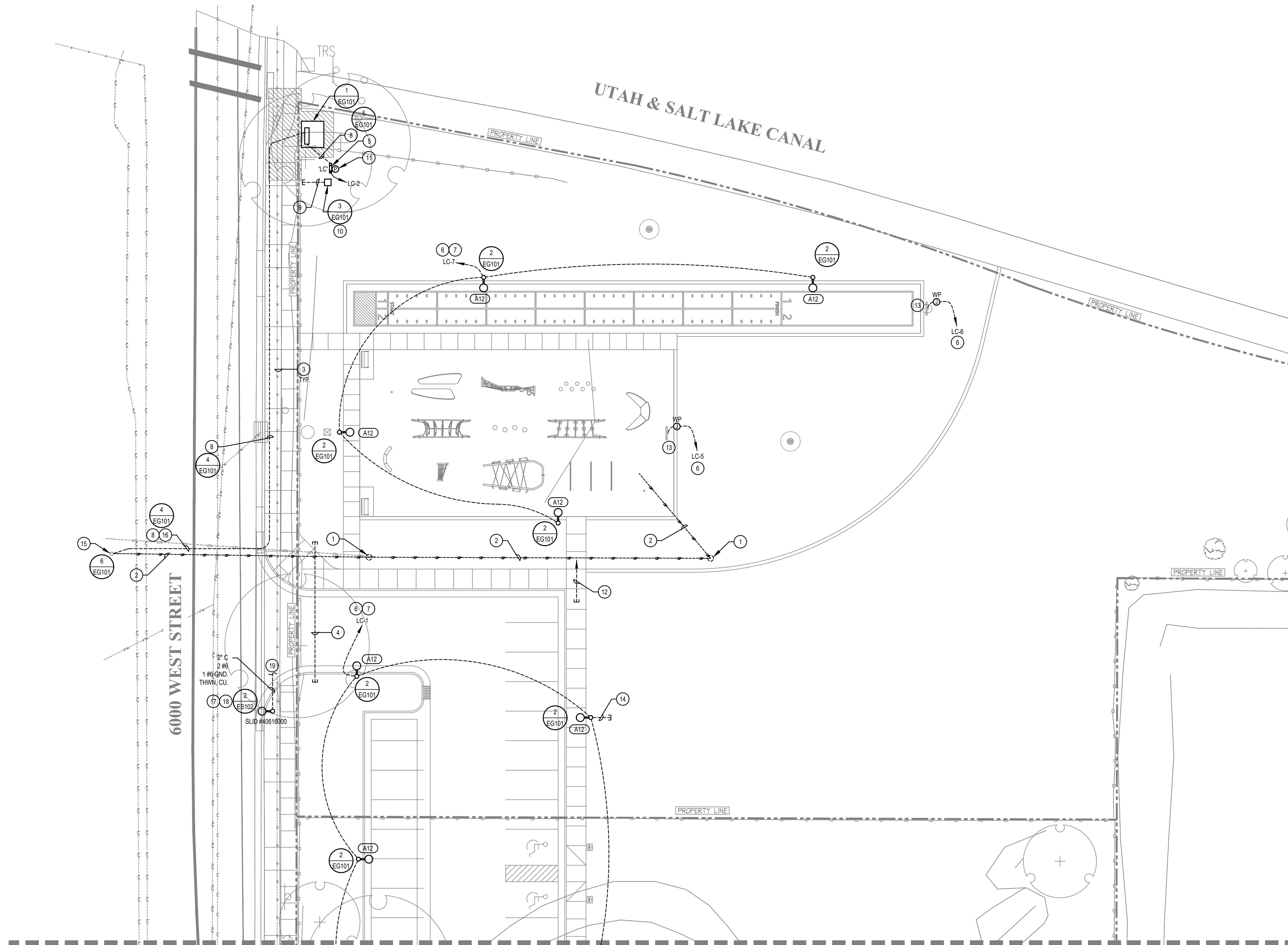
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EG101



STREET LIGHTING REQUIREMENTS:

- 3.5 ROADWAY LIGHTING
PER WEST VALLEY CITY CODE 7-19-90(3), STREET LIGHTS ARE REQUIRED TO BE INSTALLED IN ALL NEW DEVELOPMENTS.
3.5.1 REQUIRED NOTES ON STREET LIGHT PLAN
1. ALL STREET LIGHTING WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE WEST VALLEY CITY STREET LIGHTING STANDARDS AND THE A.P.W.A. STANDARD PLANS AND SPECIFICATIONS.
- ELECTRICAL CONTRACTOR SHALL CONTACT WEST VALLEY CITY AT 801-955-3726 PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE TO INSPECT POLES AND FIXTURES UPON DELIVERY TO THE JOB SITE AND TO PROTECT THE SAME FROM DAMAGE UNTIL INSTALLATION IS COMPLETE AND LIGHTING SYSTEM IS ACCEPTED BY WEST VALLEY CITY.
- CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE CONSTRUCTION OF LIGHTING SYSTEM WITH ROCKY MOUNTAIN POWER AND WEST VALLEY CITY. CONFIRM FINAL LOCATION OF ROCKY MOUNTAIN POWER TRANSFORMERS OR SECONDARY BOXES BEFORE STARTING CONSTRUCTION.
- ALL LIGHT POLES, FIXTURES, JUNCTION BOXES, TRANSFORMERS OR SECONDARY BOXES, UNDERGROUND CONDUIT AND WIRING SHALL BE PLACED ONLY WITHIN THE PUBLIC STREET RIGHT-OF-WAY AND/OR DESIGNATED PUBLIC UTILITY EASEMENT. ALL UNDERGROUND WORK SHALL BE COMPLETED AND INSPECTED PRIOR TO CONSTRUCTION OF PERMANENT ROADWAY, SIDEWALK, AND CURB AND GUTTER.
- ALL ASPECTS OF STREET LIGHTING INSTALLATION SHALL BE INSPECTED BY WEST VALLEY CITY. CALL WEST VALLEY CITY TRANSPORTATION DIVISION AT 801-955-3726 TO SCHEDULE INSPECTIONS AT LEAST 24 HOURS IN ADVANCE. TWO (2) INSPECTIONS WILL BE REQUIRED. ONE (1) POLE AND UNDERGROUND INSTALLATION, AND ONE (1) FINAL INSPECTION AFTER SYSTEM INSTALLATION IS COMPLETED.
- ANTICIPATE 12 WEEKS FOR DELIVERY OF STREET LIGHT ASSEMBLIES FROM MANUFACTURER.

GENERAL NOTES:

- CONTRACTOR SHALL VERIFY ALL POWER REQUIREMENTS AND INSTALLATION WITH ROCKY MOUNTAIN POWER AND THE OWNER PRIOR TO ANY ROUGH-IN.
- CONTRACTOR TO CONFIRM LIGHT FIXTURE REQUIREMENTS AND LOCATIONS WITH THE OWNER PRIOR TO ORDERING FIXTURE OR ANY ROUGH-IN.

ROCKY MOUNTAIN POWER REPRESENTATIVE:
LUKE BRUNSON
(888) 280-2883
LUKE.BRUNSON@ROCKYMOUNTAINPOWER.NET

CENTURYLINK REPRESENTATIVE:
SCOTTY ANDERSON
(801) 974-8229

COMCAST REPRESENTATIVE:
JUSTIN CANNING
(801) 401-3018



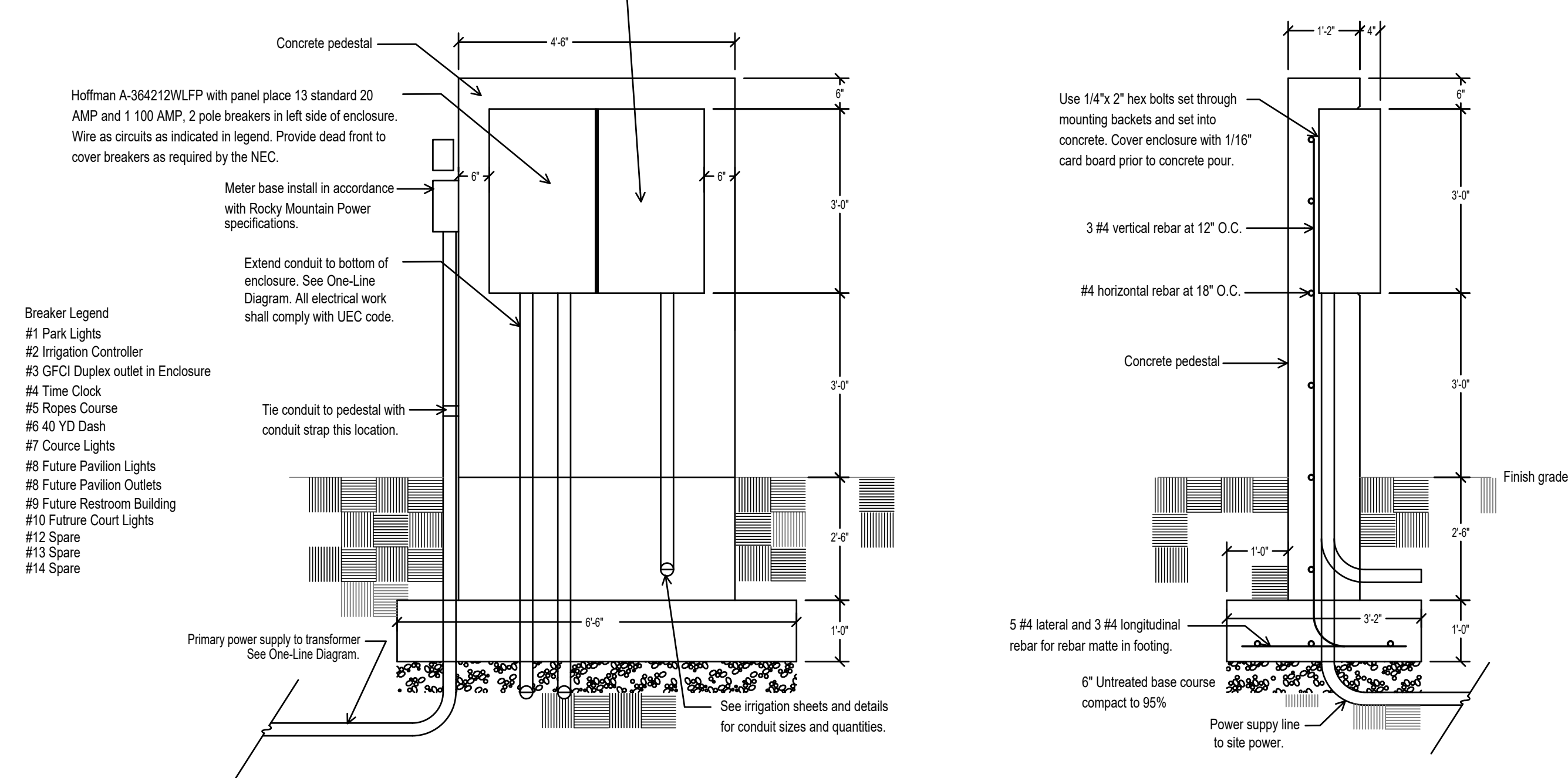
KEYED NOTES: (1)

- EXISTING ROCKY MOUNTAIN POWER POLE TO BE REMOVED BY ROCKY MOUNTAIN POWER. COORDINATE ALL WORK WITH ROCKY MOUNTAIN POWER PRIOR TO START OF PROJECT.
- EXISTING ROCKY MOUNTAIN POWER AND COMMUNICATIONS OVERHEAD LINES TO BE REMOVED. COORDINATE ALL WORK WITH ROCKY MOUNTAIN POWER, CENTURYLINK AND COMCAST PRIOR TO THE START OF THE PROJECT.
- EXISTING BELOW GRADE COMMUNICATIONS LINES TO REMAIN IN PLACE. PROTECT FROM DAMAGED DURING ALL PHASES OF THE CONSTRUCTION.
- PROVIDE THREE (3) 4" CONDUITS FOR FUTURE USE.
- LOCATE IRRIGATION CONTROLLER AND TIME CLOCK IN PANEL LC. SEE DETAIL 3ES101.
- CONTRACTOR SHALL UP SIZE BRANCH WIRING AS NECESSARY FOR A MAXIMUM 3% VOLTAGE DROP BASED ON ACTUAL INSTALLATION LENGTH, WHETHER SHOWN OR NOT.
- ROUTE THROUGH TIME CLOCK.
- SEE ONE-LINE DIAGRAM FOR CONDUIT AND CONDUCTOR REQUIREMENTS.
- EXTEND A 2" CONDUIT TO LOCATION SHOWN. MARK EXACT LOCATION ON THE AS-BUILT DRAWINGS. PROVIDE A MINIMUM OF TWO DIMENSIONS FROM A FIXED POINT ON THE SITE.
- JUNCTION BOX FOR FUTURE WIFI ANTENNA LOCATION. CONFIRM EXACT MOUNTING LOCATION WITH WEST VALLEY CITY PRIOR TO ROUGH-IN.
- PHOTOCELL FOR TIME CLOCK. MOUNT ON PANEL LC PEDESTAL IN LOCATION AS DIRECTED BY OWNER. PHOTOCELL TO HAVE A CLEAR UNOBSTRUCTED VIEW OF THE NORTH SKY. SITE LIGHTING AND PAVILION TO BE PHOTOCELL ON AND TIME OFF. TIME OFF TO BE 10:00 PM OR TIME AS DESIGNATED BY THE OWNER. CONFIRM ALL PROGRAMMING WITH THE OWNER.
- EXTEND ONE (1) 2" CONDUIT FOR FUTURE PAVILION. ONE (1) 3" CONDUIT FOR FUTURE RESTROOM. ONE (1) 1" CONDUIT FOR FUTURE COURT LIGHTING AND ONE (1) 1" CONDUIT SPARE FROM LOCATION SHOWN TO PANEL LC. CONFIRM STUB LOCATION WITH OWNER PRIOR TO ANY ROUGH-IN. PROVIDE PULL ROPS IN ALL CONDUITS.
- COORDINATE ALL POWER CONNECTIONS WITH THE ROPE COURSE AND 40 YARD DASH INSTALLER PRIOR TO ANY ROUGH-IN.
- EXTEND A 1" CONDUIT WITH PULL STRING FROM LIGHT POLE TO 5' PAST SIDE WALK FOR FUTURE LIGHTING CONNECTIONS.
- APPROXIMATE LOCATION OF THE EXISTING ROCKY MOUNTAIN POWER POLE. CONTRACTOR TO CONFIRM EXACT LOCATION IN THE FIELD. CONFIRM ALL REQUIREMENTS WITH ROCKY MOUNTAIN POWER PRIOR TO ANY ROUGH-IN.
- BORE UNDER EXISTING ROAD AS NECESSARY TO EXTEND CONDUIT AS SHOWN FOR ROCKY MOUNTAIN POWER USE. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO ANY BORING. IF THE CONTRACTOR FAILS TO COORDINATE THE UTILITY LOCATIONS ANY DAMAGED TO THE EXISTING UTILITIES WILL BE REPAIRED AT NO ADDITIONAL COST TO THE CITY.
- NEW STREET LIGHT AND POLE TO CONFORM WITH ALL WEST VALLEY CITY REQUIREMENTS. CONFIRM TYPE WITH WEST VALLEY CITY PRIOR TO ORDERING.
- INSTALL STREET LIGHT PER WVC STANDARD DRAWING LP-02 SLID #40618000. SEE ES102.
- CONFIRM CONNECTION LOCATION WITH ROCKY MOUNTAIN POWER PRIOR TO ANY WORK BEING DONE.

1 ELECTRICAL SITE PLAN

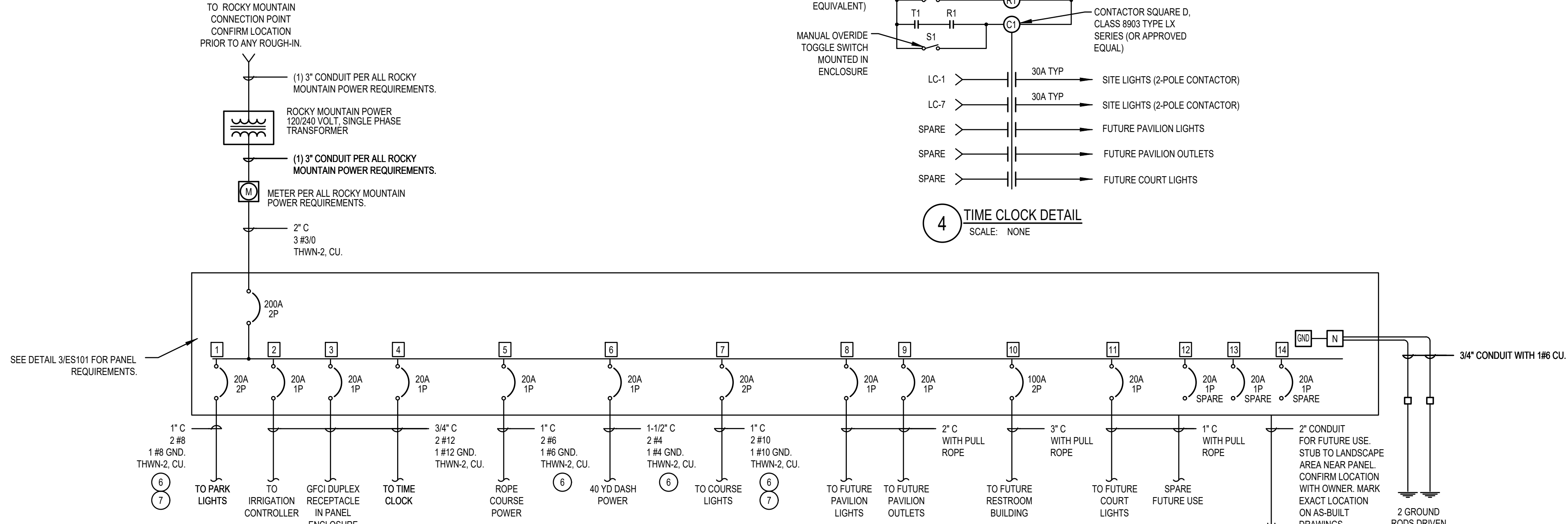
SCALE: 1/16" = 1'-0"

Right side of enclosure to be used for irrigation controller, GFCI duplex outlet and time clock. Place GFCI duplex outlet in bottom of enclosure. Coordinate irrigation controller requirements with landscape contractor. Provide Torx EW201B time clock with 7 day digital time switch, LCD display, permanent schedule retention, 10 hour minimum power outage backup, multiple on and off setting points, capable of different schedules each day of the week, 120 volts, NEMA 1 enclosure.



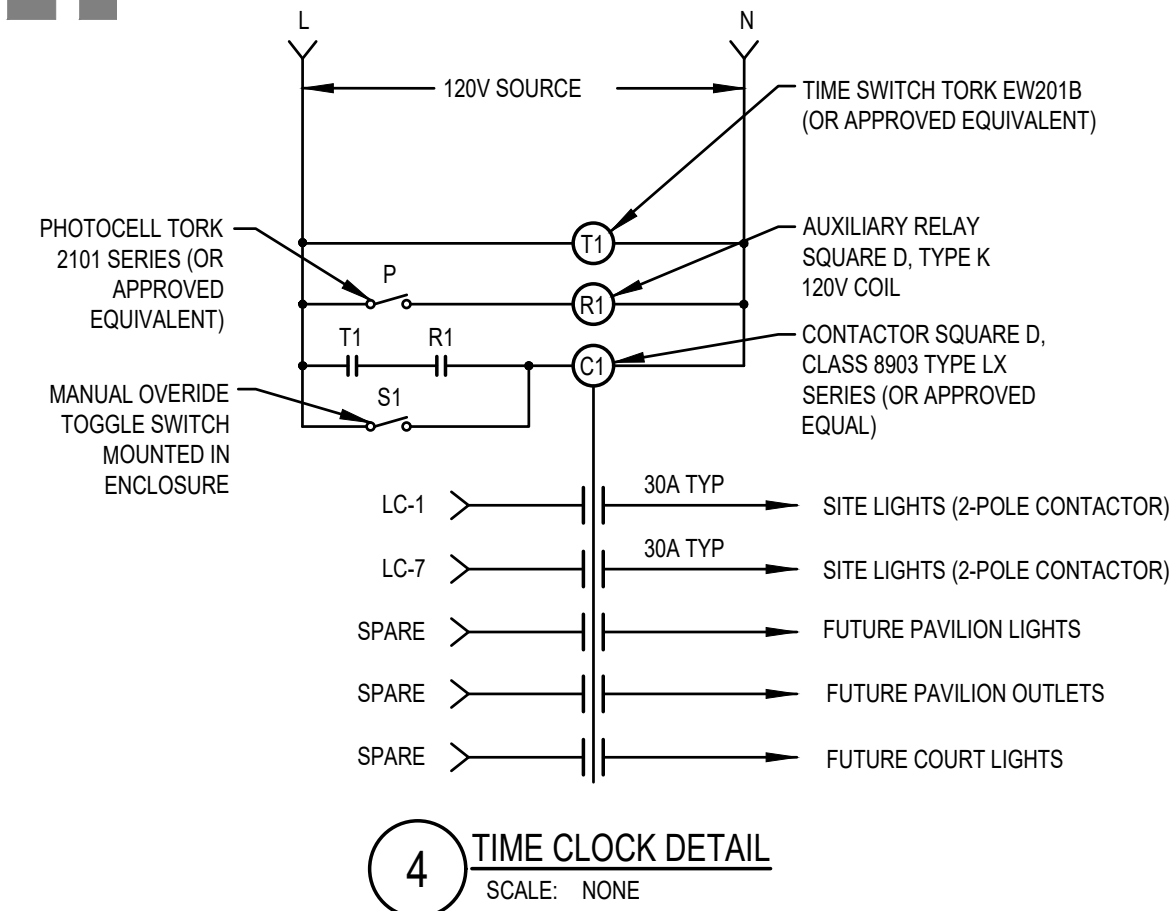
3 PANEL 'LC' DETAIL

SCALE: none



2 ONE-LINE DIAGRAM

SCALE: NONE



4 TIME CLOCK DETAIL

SCALE: NONE



consultant:



BID SET

project
West View
Park
Expansion

4059 South 6000 West
West Valley City, UT

date
January 23, 2024

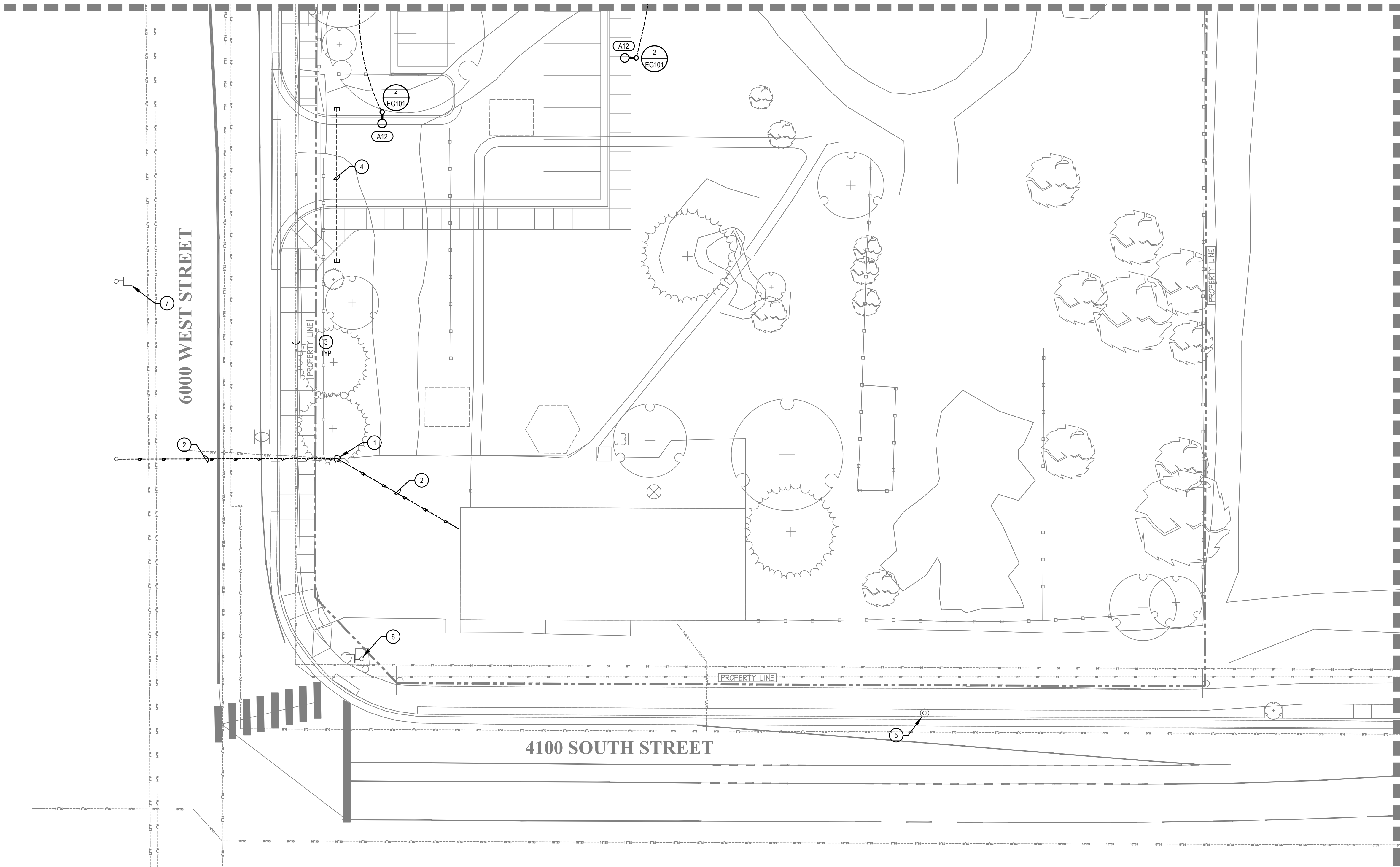
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PLAN

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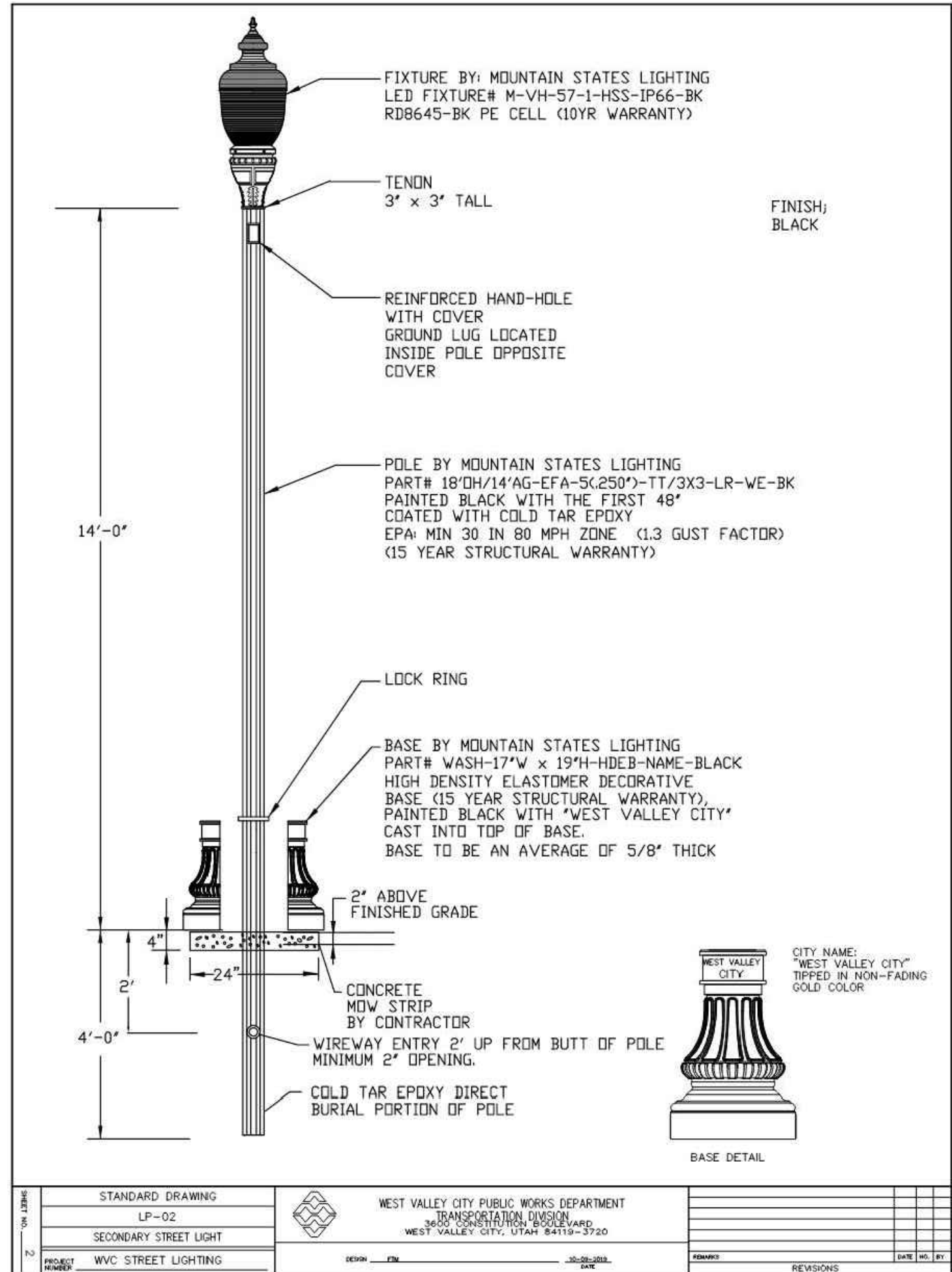
ES101



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

STREET LIGHTING REQUIREMENTS:

- 3.5 ROADWAY LIGHTING
PER WEST VALLEY CITY CODE 7-19-90(2), STREET LIGHTS ARE REQUIRED TO BE INSTALLED IN ALL NEW DEVELOPMENTS.
- 3.5.1 REQUIRED NOTES ON STREET LIGHT PLAN
- ALL STREET LIGHTING WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE WEST VALLEY CITY STREET LIGHTING STANDARDS AND THE A.P.W.A. STANDARD PLANS AND SPECIFICATIONS.
 - ELECTRICAL CONTRACTOR SHALL CONTACT WEST VALLEY CITY AT 801-955-3726 PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - CONTRACTOR SHALL BE RESPONSIBLE TO INSPECT POLES AND FIXTURES UPON DELIVERY TO THE JOB SITE AND TO PROTECT THE SAME FROM DAMAGE UNTIL INSTALLATION IS COMPLETE AND LIGHTING SYSTEM IS ACCEPTED BY WEST VALLEY CITY.
 - CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE CONSTRUCTION OF LIGHTING SYSTEM WITH ROCKY MOUNTAIN POWER AND WEST VALLEY CITY. CONFIRM FINAL LOCATION OF ROCKY MOUNTAIN POWER TRANSFORMERS OR SECONDARY BOXES BEFORE STARTING CONSTRUCTION.
 - ALL LIGHT POLES, FIXTURES, JUNCTION BOXES, TRANSFORMERS OR SECONDARY BOXES, UNDERGROUND CONDUIT AND WIRING SHALL BE PLACED ONLY WITHIN THE PUBLIC STREET RIGHT-OF-WAY AND/OR DESIGNATED PUBLIC UTILITY EASEMENT. ALL UNDERGROUND WORK SHALL BE COMPLETED AND INSPECTED PRIOR TO CONSTRUCTION OF PERMANENT ROADWAY, SIDEWALK, AND CURB AND GUTTER.
 - ALL ASPECTS OF STREET LIGHTING INSTALLATION SHALL BE INSPECTED BY WEST VALLEY CITY. CALL WEST VALLEY CITY TRANSPORTATION DIVISION AT 801-955-3726 TO SCHEDULE INSPECTIONS AT LEAST 24 HOURS IN ADVANCE. TWO (2) INSPECTIONS WILL BE REQUIRED. ONE (1) POLE AND UNDERGROUND INSTALLATION, AND ONE (1) FINAL INSPECTION AFTER SYSTEM INSTALLATION IS COMPLETED.
 - ANTICIPATE 12 WEEKS FOR DELIVERY OF STREET LIGHT ASSEMBLIES FROM MANUFACTURER.



2 STREET LIGHT LP-02
SCALE: 1/16" = 1'-0"

KEYED NOTES:

- EXISTING ROCKY MOUNTAIN POWER POLE TO BE REMOVED BY ROCKY MOUNTAIN POWER. COORDINATE ALL WORK WITH ROCKY MOUNTAIN POWER PRIOR TO START OF PROJECT.
- EXISTING ROCKY MOUNTAIN POWER AND COMMUNICATIONS OVERHEAD LINES TO BE REMOVED. COORDINATE ALL WORK WITH ROCKY MOUNTAIN POWER, CENTURYLINK AND COMCAST PRIOR TO THE START OF THE PROJECT.
- EXISTING BELOW GRADE COMMUNICATIONS LINES TO REMAIN IN PLACE. PROTECT FROM DAMAGED DURING ALL PHASES OF THE CONSTRUCTION.
- PROVIDE THREE (3) 4" CONDUITS FOR FUTURE USE.
- EXISTING WEST VALLEY CITY STREET LIGHT TO REMAIN IN PLACE. PROTECT FROM DAMAGE DURING ALL PHASES OF THE CONSTRUCTION.
- EXISTING STREET LIGHT MOUNTED TO TRAFFIC SIGNAL TO REMAIN IN PLACE. PROTECT FROM DAMAGE DURING ALL PHASES OF THE CONSTRUCTION.
- EXISTING STREET LIGHT MOUNTED TO POWER POLE TO REMAIN IN PLACE. PROTECT FROM DAMAGE DURING ALL PHASES OF THE CONSTRUCTION.

GENERAL NOTES:

- CONTRACTOR SHALL VERIFY ALL POWER REQUIREMENTS AND INSTALLATION WITH ROCKY MOUNTAIN POWER AND THE OWNER PRIOR TO ANY ROUGH-IN.
- CONTRACTOR TO CONFIRM LIGHT FIXTURE REQUIREMENTS AND LOCATIONS WITH THE OWNER PRIOR TO ORDERING FIXTURE OR ANY ROUGH-IN.

Arc S itio
Design, Inc
Landscape Architecture &
Architectural Site Design

1058 East 2100 South
Salt Lake City, Utah 84106
office 801.487.4923
fax 801.466.3046
www.arcsitiodesign.com



consultant:



BID SET

project
West View
Park
Expansion

4059 South 6000 West
West Valley City, UT

date
January 23, 2024

revisions

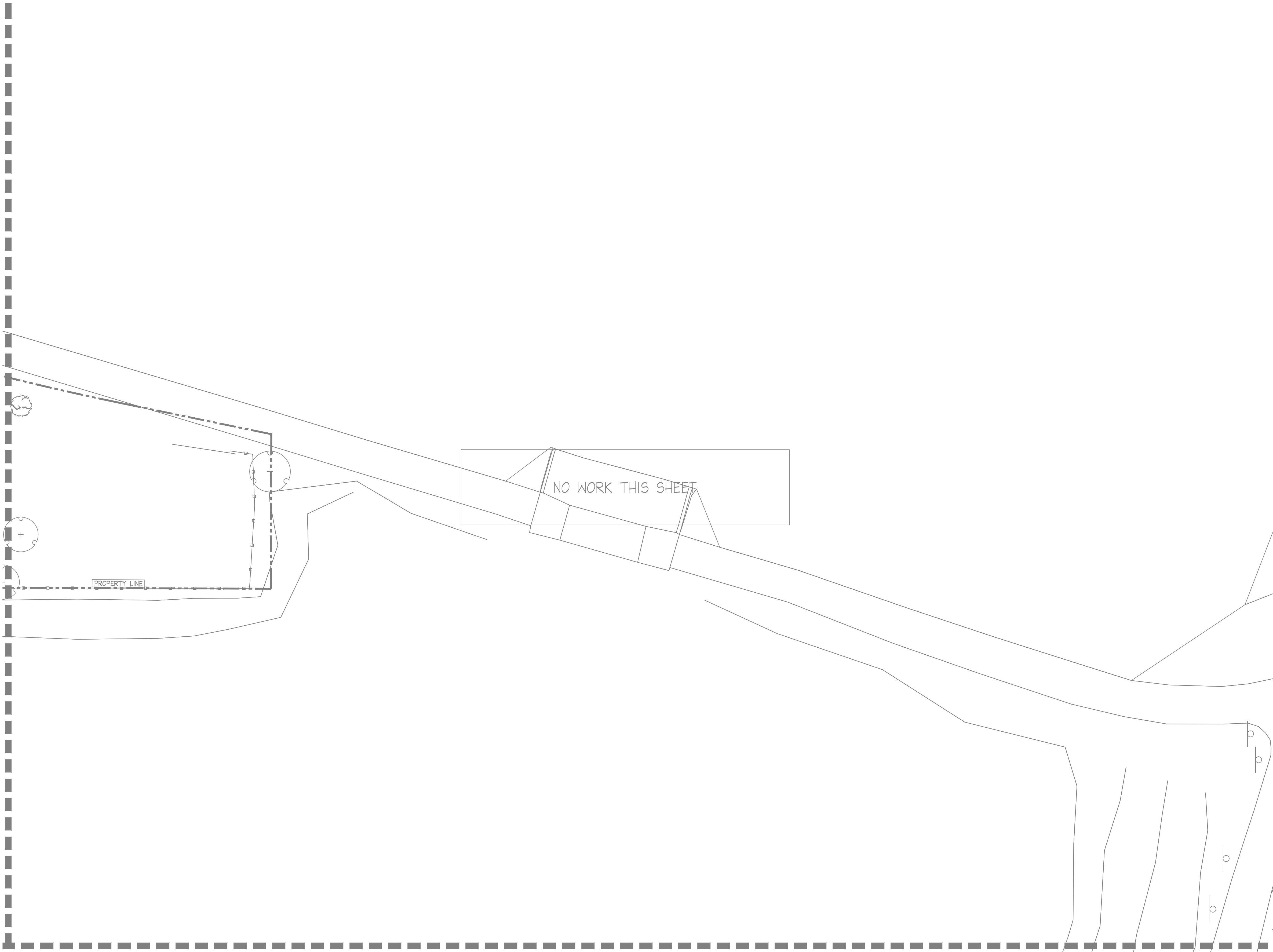
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and project no:

title
ELECTRICAL SITE
PLAN

sheet

ES102

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

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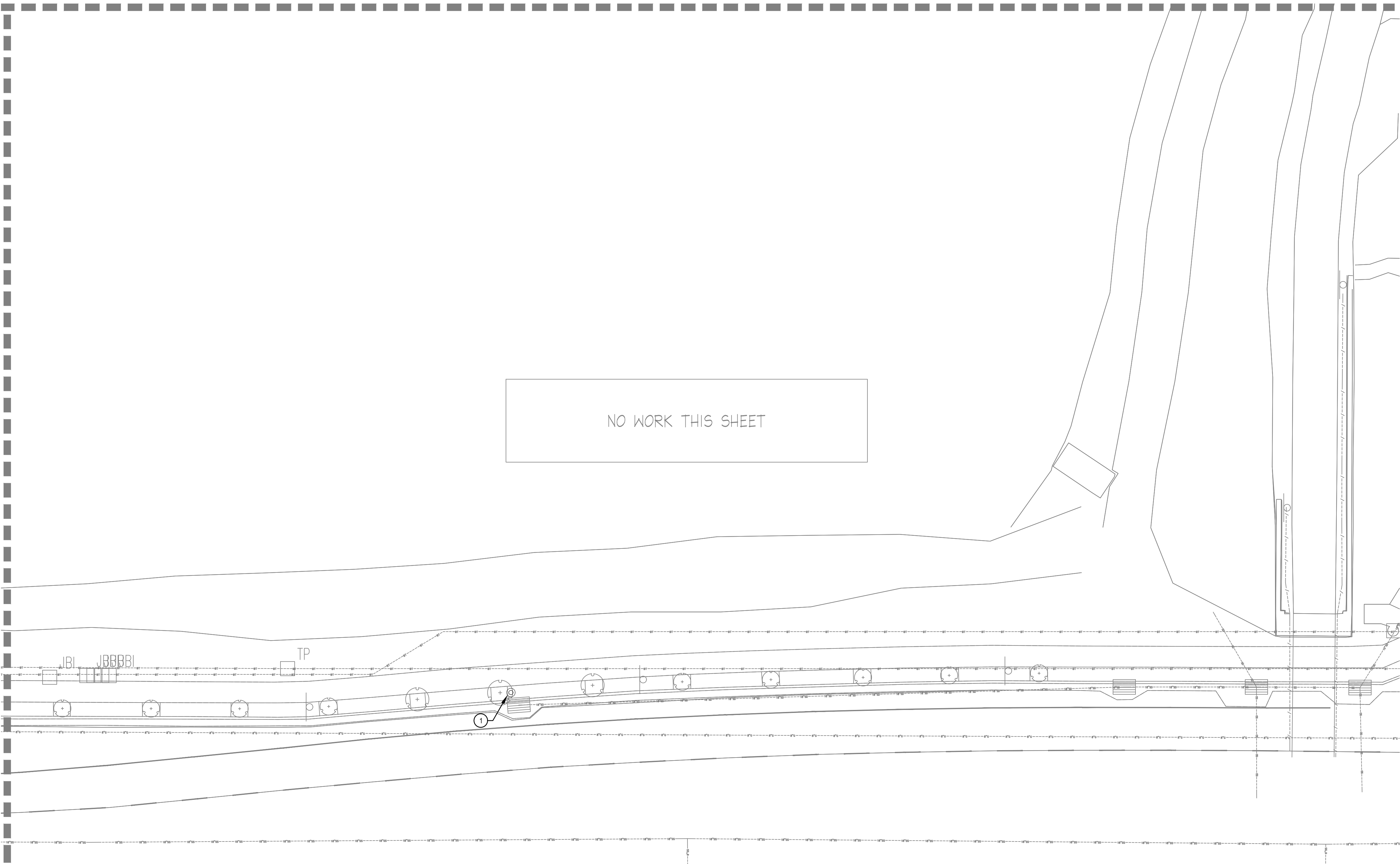
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title

ELECTRICAL SITE
PLAN

sheet

ES103



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

KEYED NOTES: ①

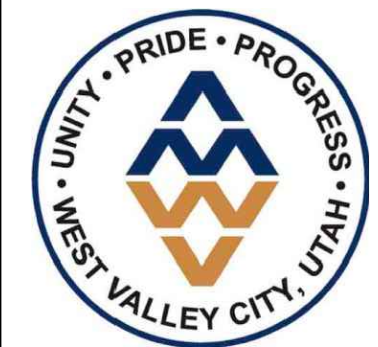
1. EXISTING WEST VALLEY CITY STREET LIGHT TO REMAIN IN PLACE. PROTECT FROM DAMAGE DURING ALL PHASES OF THE CONSTRUCTION.

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project

West View
Park
Expansion

4059 South 6000 West
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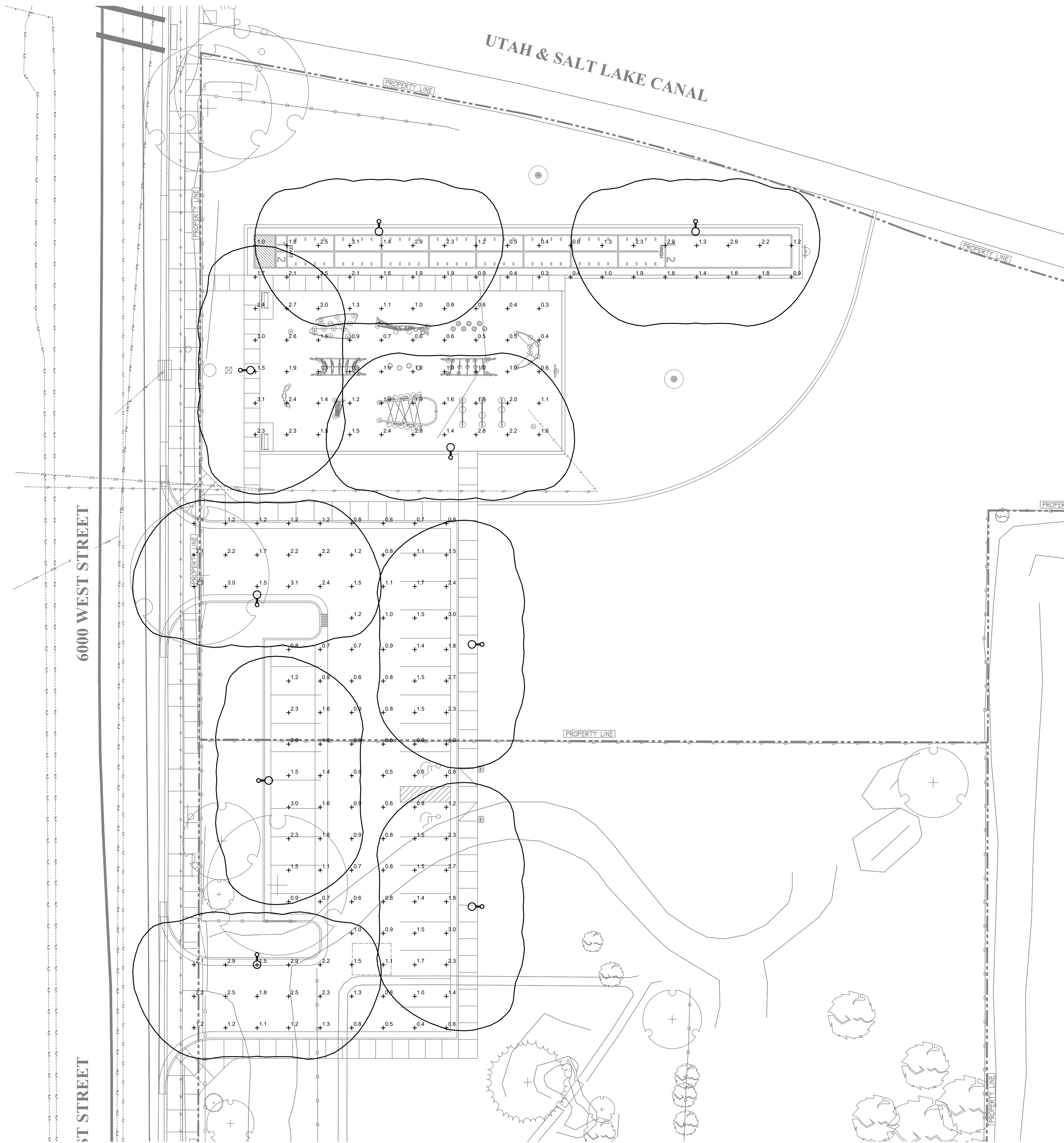
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ELECTRICAL SITE
PLAN

sheet

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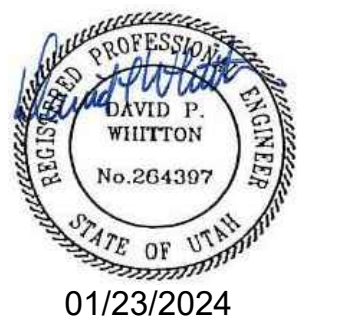
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1 ELECTRICAL SITE ILLUMINATION PLAN
SCALE: 1/16\" = 1'-0"

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Architectural Site Design

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ENVISION
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202 East Liberty Ave, Suite 200
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project
**West View
Park
Expansion**

4059 South 6000 West
West Valley City, UT

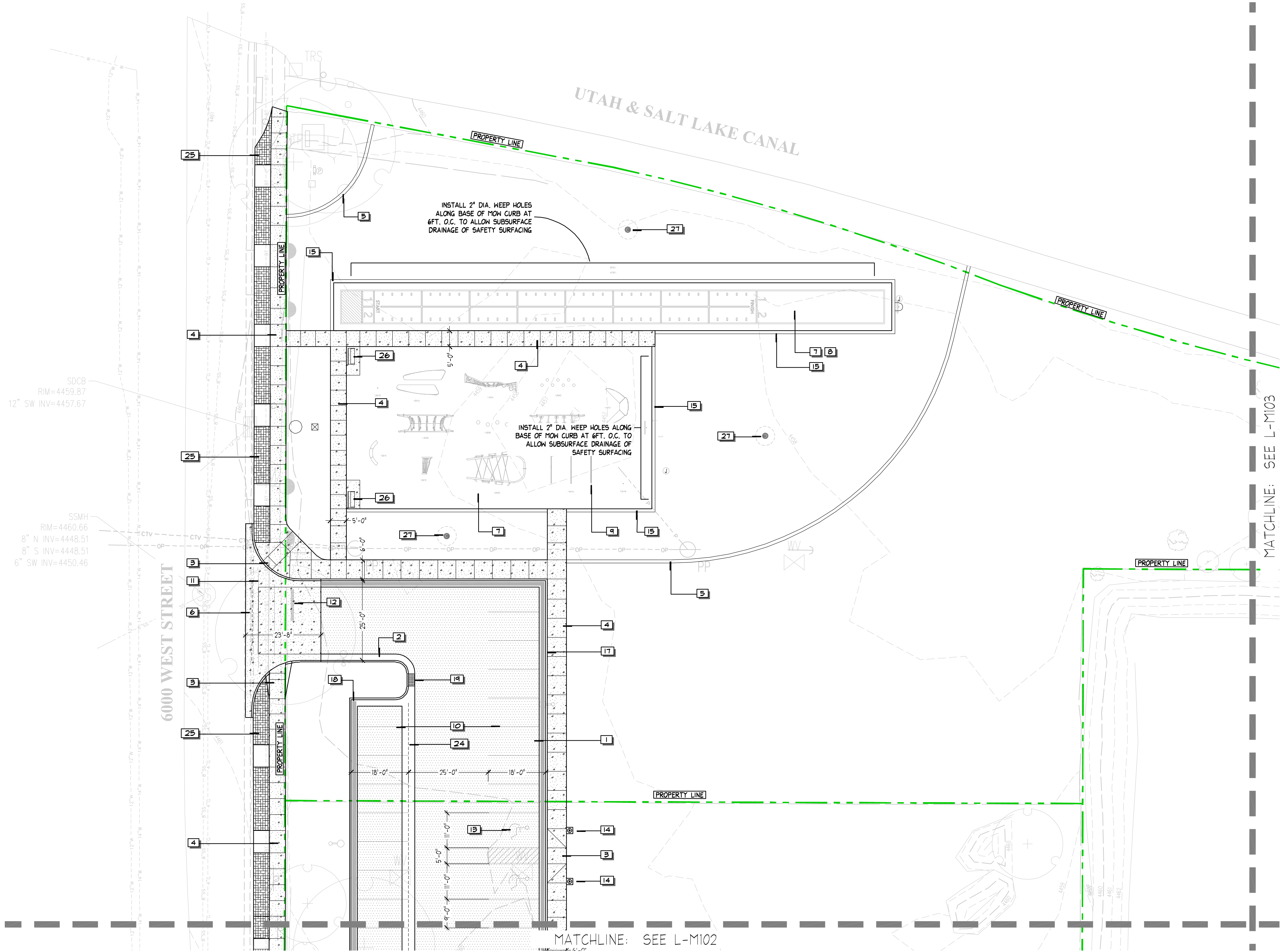
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and project no:

title
**ELECTRICAL SITE
ILLUMINATION**

sheet
ES201



LAYOUT NOTES

1.

ALL LINES AND DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE LINES FROM WHERE MEASURED UNLESS OTHERWISE INDICATED.

2.

ALL LAYOUT AND GRADE WORK AS PER DRAWINGS AND SPECIFICATIONS SHALL BE LAID OUT BY A REGISTERED CIVIL ENGINEER OR SURVEYOR.

3.

ALL CURVES TO TANGENT LINES SHALL BE NEAT, TRIM, SMOOTH AND UNIFORM.

4.

WHEN THE WRITTEN DIMENSION IS DIFFERENT FROM THE SCALED DIMENSION, THE WRITTEN DIMENSION SHALL PREVAIL AND THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED IN WRITING BEFORE PROCEEDING WITH WORK IN THE AREA IN QUESTION.

5.

SIDEWALK EXPANSION JOINTS SHALL BE PLACED WHERE CALLED FOR ON PLAN OR AT A MAXIMUM OF 10' O.C. 1/2" EXPANSION JOINTS SHALL BE PROVIDED AT LOCATIONS WHERE SIDEWALKS ADJOIN CURBS OR EXISTING SIDEWALKS.

6.

OWNER'S REPRESENTATIVE SHALL BE CONSULTED BEFORE ANY WORK SHALL COMMENCE

7.

CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE.

8.

AN AUTOCAD FILE WILL BE MADE AVAILABLE TO SUCCESSFUL BIDDER UPON REQUEST TO ASSIST IN LAYOUT OF PROPOSED IMPROVEMENTS.

REFERENCE NOTES

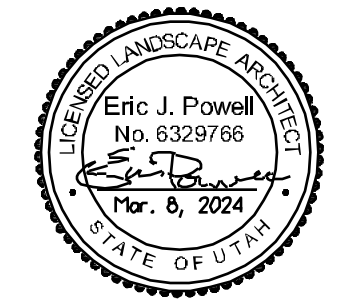
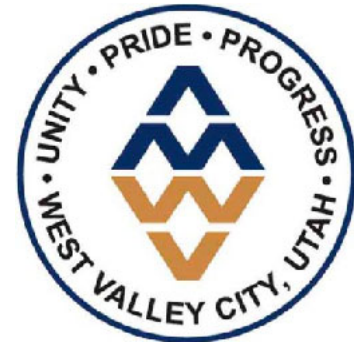
SYMBOL	DESCRIPTION	QTY	DETAIL
1	ASPHALT PAVING	8,809 sf	H/L-M501
2	30" TYPE 'A' CURB AND GUTTER PER APWA STANDARD PLAN NO. 205	43 lf	D/L-M501
3	A.D.A. RAMP AND DETECTABLE WARNING SURFACE PER UDOT STANDARD PLANS (PEDESTRIAN ACCESS SERIES)		
4	CONCRETE PAVING	6,580 sf	A/L-M501
5	CONCRETE MONCURB	22 lf	E/L-M501
6	OPEN DRIVEWAY APPROACH, CONCRETE WATERWAY AND WATERWAY TRANSITION STRUCTURES PER WEST VALLEY CITY STANDARD PLAN NO. 215 AND APWA STANDARD PLAN NO 211.		
7	SYNTHETIC SURFACING, OWNER-FURNISHED-CONTRACTOR INSTALLED		E/L-M501
8	40-YARD DASH COURSE, OWNER-FURNISHED OWNER-INSTALLED		
9	NINJA CHALLENGE COURSE, OWNER-FURNISHED OWNER-INSTALLED		
10	4" WIDE SOLID WHITE PAVEMENT MARKINGS PER M.U.T.C.D. STANDARD PLANS		
11	WHITE CROSSWALK MARKINGS PER M.U.T.C.D. STANDARD PLANS		
12	12" WIDE SOLID WHITE STOP BAR PER M.U.T.C.D. STANDARD PLANS		
13	PAINTED ADA SYMBOL AND ASSOCIATED HATCHING PER M.U.T.C.D. STANDAR PLANS		
14	ADA PARKING SIGN		I/L-M501
15	PLAYGROUND CURB WALL, OWNER-FURNISHED OWNER-INSTALLED	424 lf	E/L-M501
17	30" REVERSE PAN CURB AND GUTTER	418 lf	F/L-M501
18	TRANSITION BETWEEN COLLECTION CURB AND GUTTER AND REVERSE PAN CURB AND GUTTER		
19	HOODED INLET BOX PER APWA STANDARD PLAN NO. 315		
24	4FT. CONCRETE WATERWAY PER APWA STANDARD PLAN NO. 211		
25	PATTERNED & INTEGRAL-COLORED CONCETE PARK STRIP PER WVC ENGINEERING STANDARDS (REFER TO SECTION 6.9.3)	1,293 sf	
26	BENCH, TYP. (OWNER-FURNISHED & CONTRACTOR-INSTALLED)	2	/
27	INFILTRATION WELL - SEE GRADING PLANS		

SCALE & NORTH ARROW

NORTH

081632

SCALE: 1" = 16'-0"



consultant:

BID SET

project
West View
Park
Expansion

4059 South 6000 West
West Valley City, UT

date
March 8, 2024

revisions

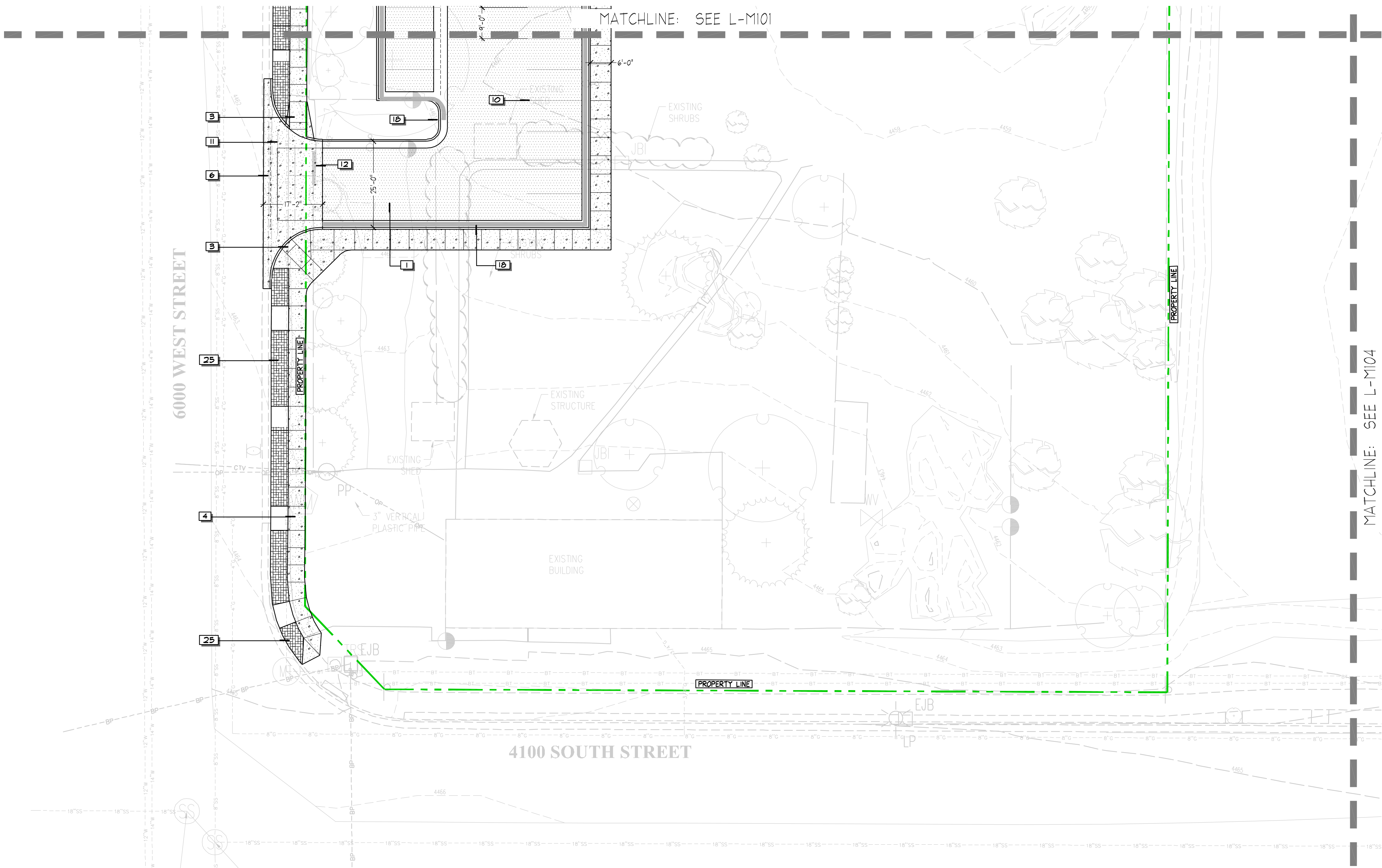
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LAYOUT AND
MATERIALS PLAN

sheet

L-M101

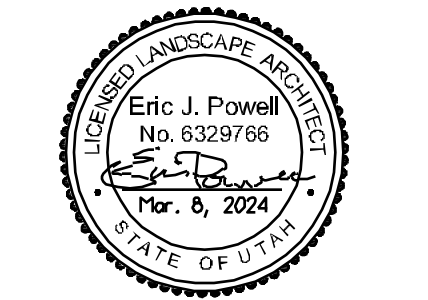
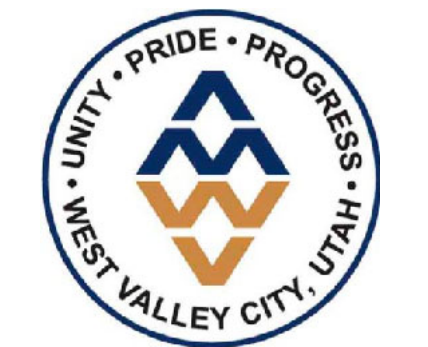
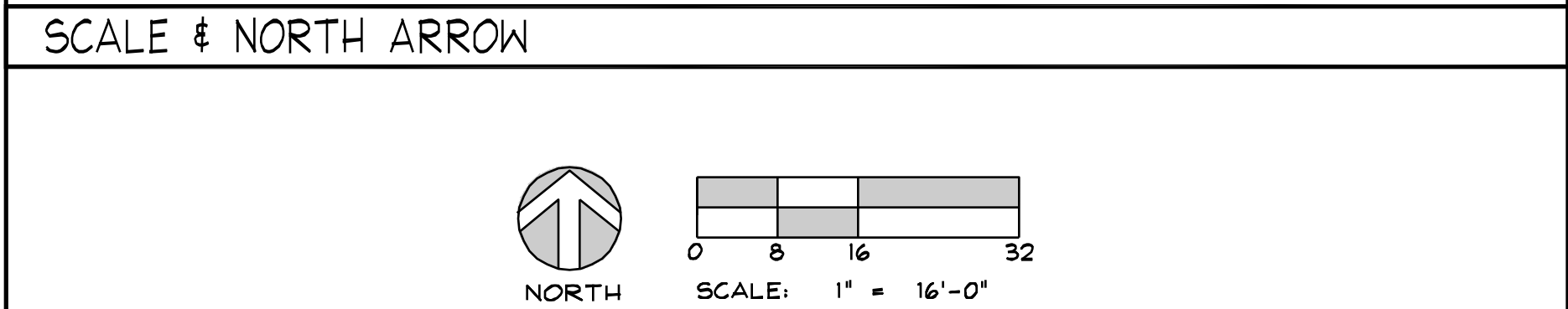
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- LAYOUT NOTES
- ALL LINES AND DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE LINES FROM WHERE MEASURED UNLESS OTHERWISE INDICATED.
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5	CONCRETE MONOCURB	22 lf	E/L-M501
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7	SYNTHETIC SURFACING, OWNER-FURNISHED-CONTRACTOR INSTALLED		E/L-M501
8	40-YARD DASH COURSE, OWNER-FURNISHED OWNER-INSTALLED		
9	NINJA CHALLENGE COURSE, OWNER-FURNISHED OWNER-INSTALLED		
10	4" WIDE SOLID WHITE PAVEMENT MARKING PER M.U.T.C.D. STANDARD PLANS		
11	WHITE CROSSWALK MARKING PER M.U.T.C.D. STANDARD PLANS		
12	12" WIDE SOLID WHITE STOP BAR PER M.U.T.C.D. STANDARD PLANS		
13	PAINTED ADA SYMBOL AND ASSOCIATED HATCHING PER M.U.T.C.D. STANDAR PLANS		
14	ADA PARKING SIGN		I/L-M501
15	PLAYGROUND CURB WALL, OWNER-FURNISHED OWNER-INSTALLED	424 lf	E/L-M501
17	30" REVERSE PAN CURB AND GUTTER	418 lf	F/L-M501
18	TRANSITION BETWEEN COLLECTION CURB AND GUTTER AND REVERSE PAN CURB AND GUTTER		
19	HOODED INLET BOX PER APWA STANDARD PLAN NO. 315		
24	4FT. CONCRETE WATERWAY PER APWA STANDARD PLAN NO. 211		
25	PATTERNED & INTEGRAL-COLORED CONCRETE PARK STRIP PER MVC ENGINEERING STANDARDS (REFER TO SECTION 6.9.3)	1,293 sf	
26	BENCH, TYP. (OWNER-FURNISHED & CONTRACTOR-INSTALLED)	2	/
27	INFILTRATION WELL - SEE GRADING PLANS		



consultant:

BID SET

project
West View
Park
Expansion

4059 South 6000 West
West Valley City, UT

date
March 8, 2024

revisions

data
asd project no:

title
LAYOUT AND
MATERIALS PLAN

sheet

L-M102



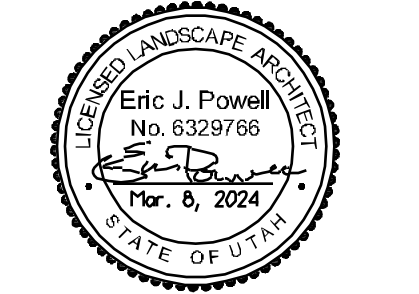
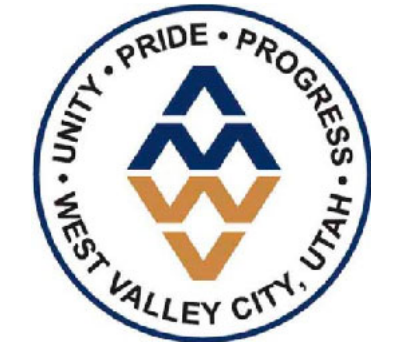
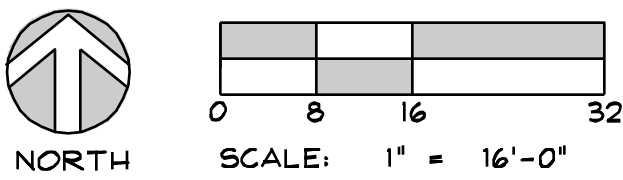
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8	40-YARD DASH COURSE, OWNER-FURNISHED OWNER-INSTALLED		
9	NINJA CHALLENGE COURSE, OWNER-FURNISHED OWNER-INSTALLED		
10	4" WIDE SOLID WHITE PAVEMENT MARKINGS PER M.U.T.C.D. STANDARD PLANS		
11	WHITE CROSSWALK MARKINGS PER M.U.T.C.D. STANDARD PLANS		
12	12" WIDE SOLID WHITE STOP BAR PER M.U.T.C.D. STANDARD PLANS		
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19	HOODED INLET BOX PER APWA STANDARD PLAN NO. 315		
24	4FT. CONCRETE WATERWAY PER APWA STANDARD PLAN NO. 211		
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26	BENCH, TYP. (OWNER-FURNISHED & CONTRACTOR-INSTALLED)	2	/
27	INFILTRATION WELL - SEE GRADING PLANS		

SCALE & NORTH ARROW



consultant:

BID SET

project
West View
Park
Expansion

4059 South 6000 West
West Valley City, UT

date
March 8, 2024

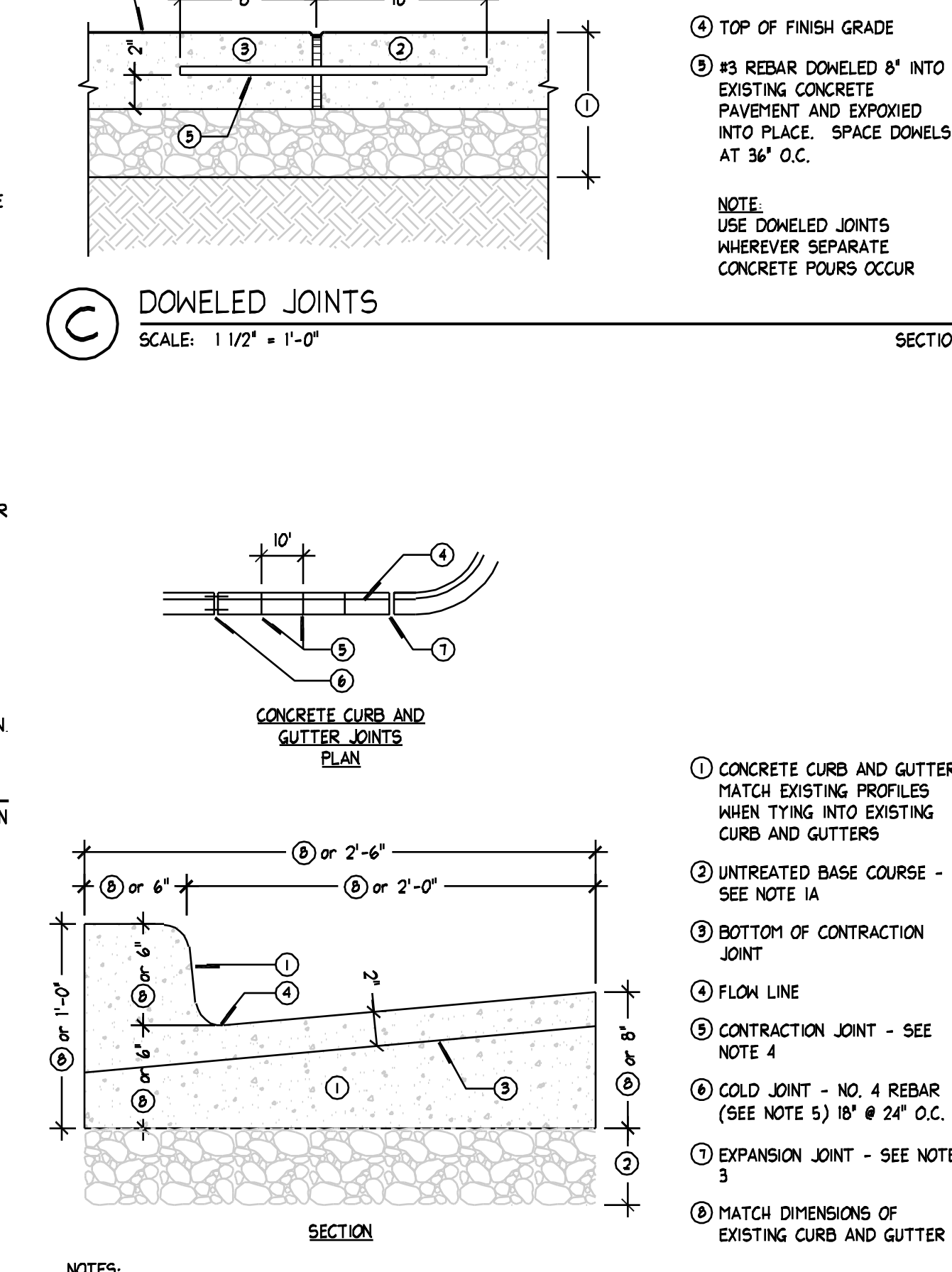
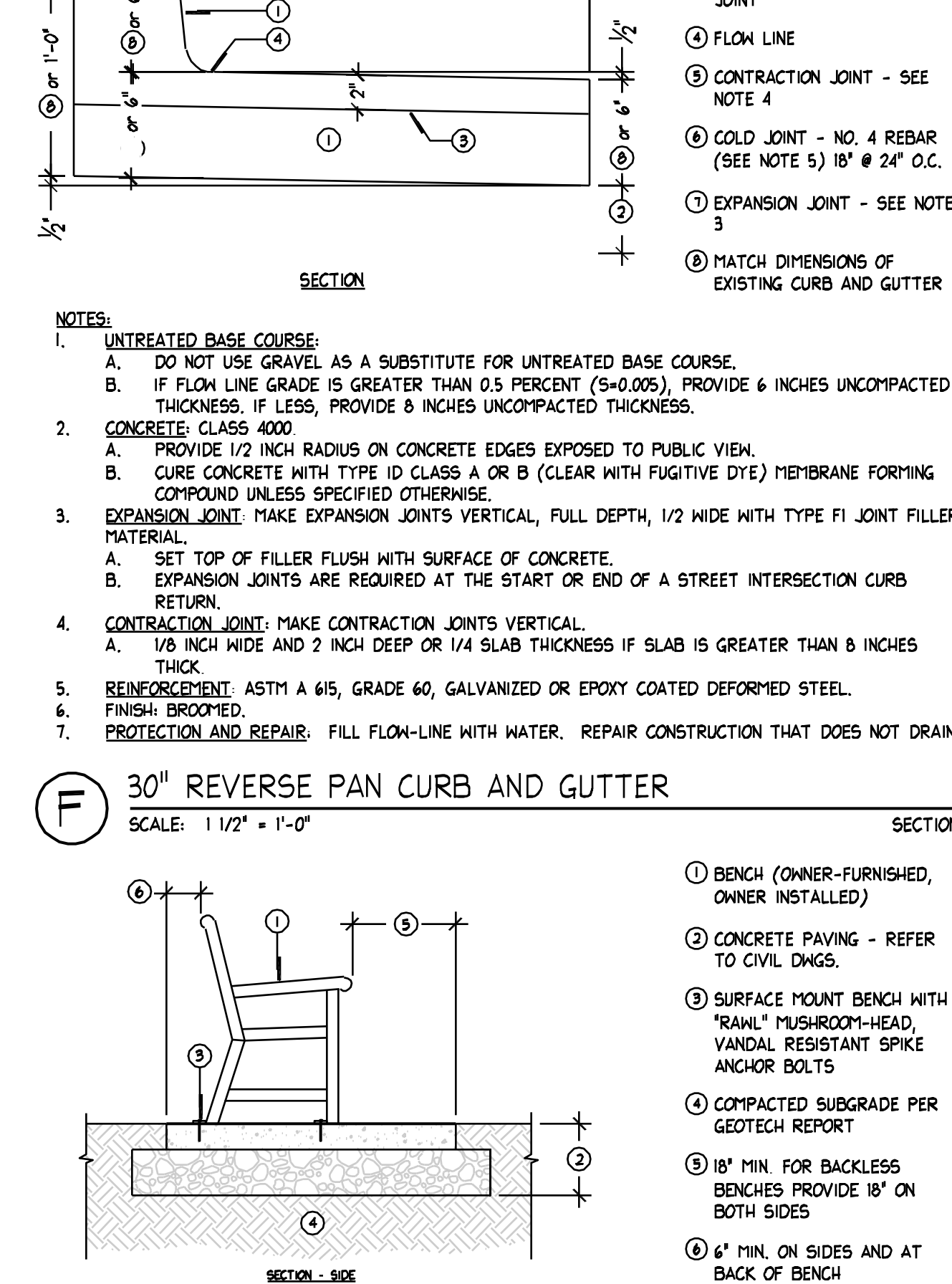
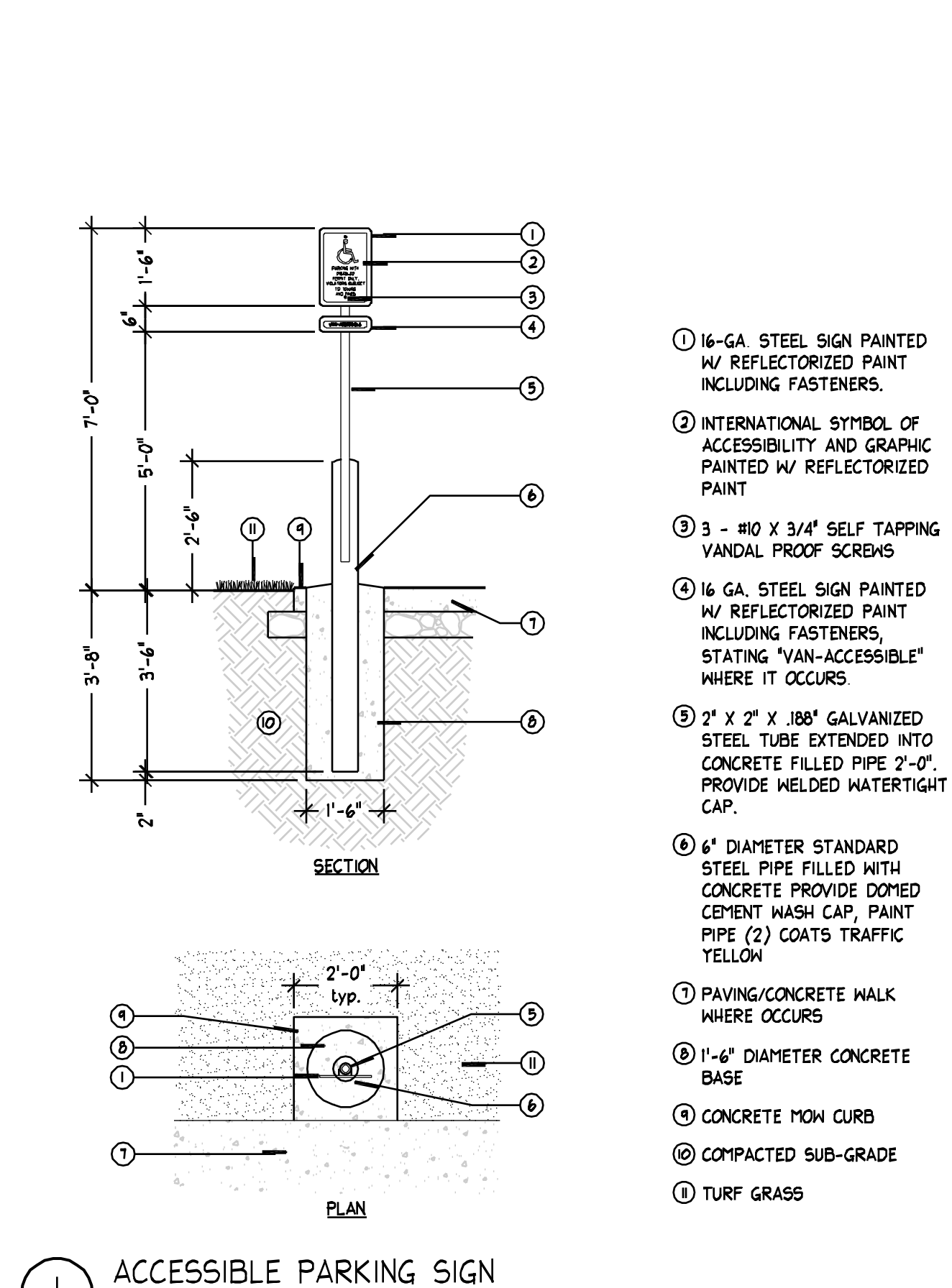
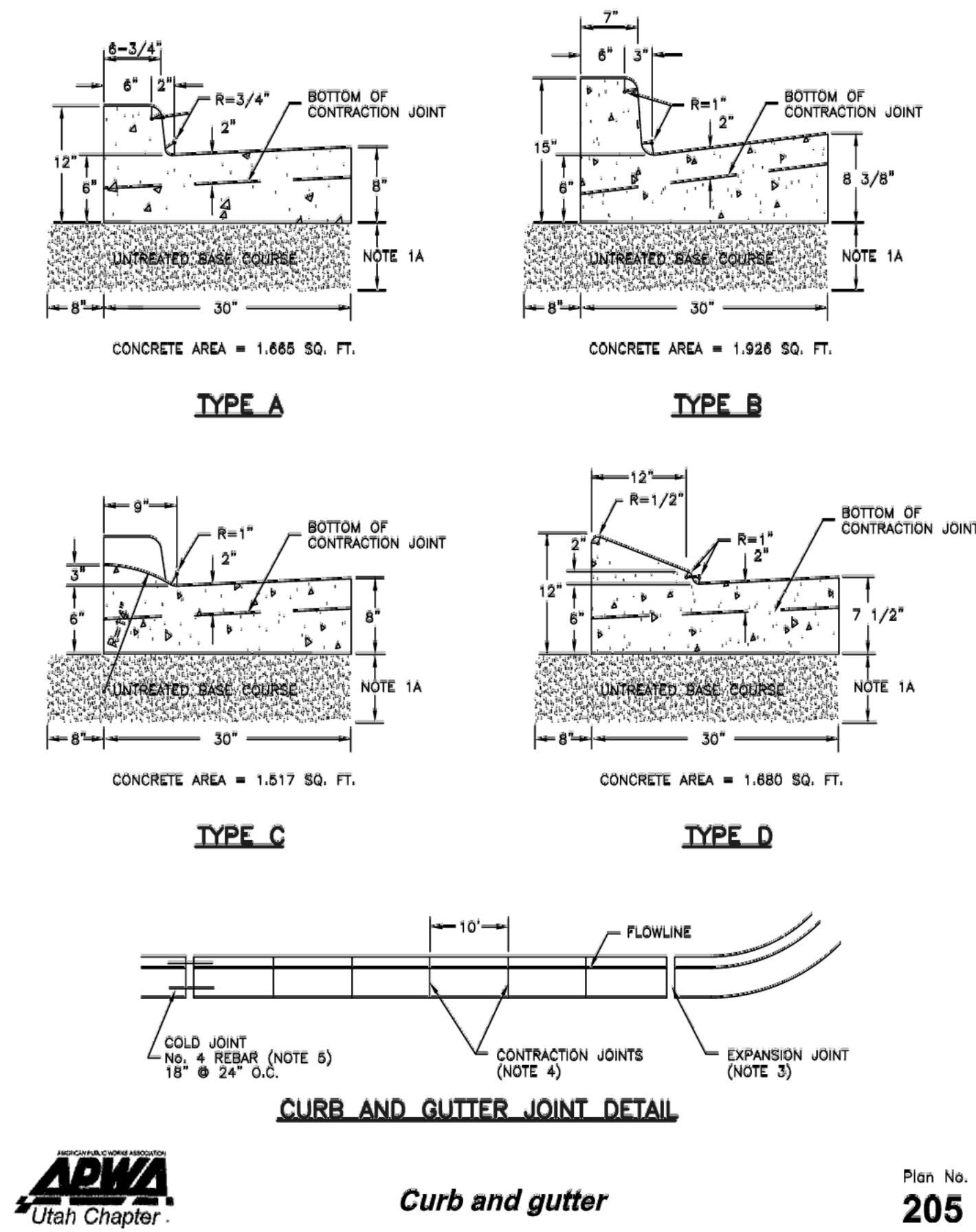
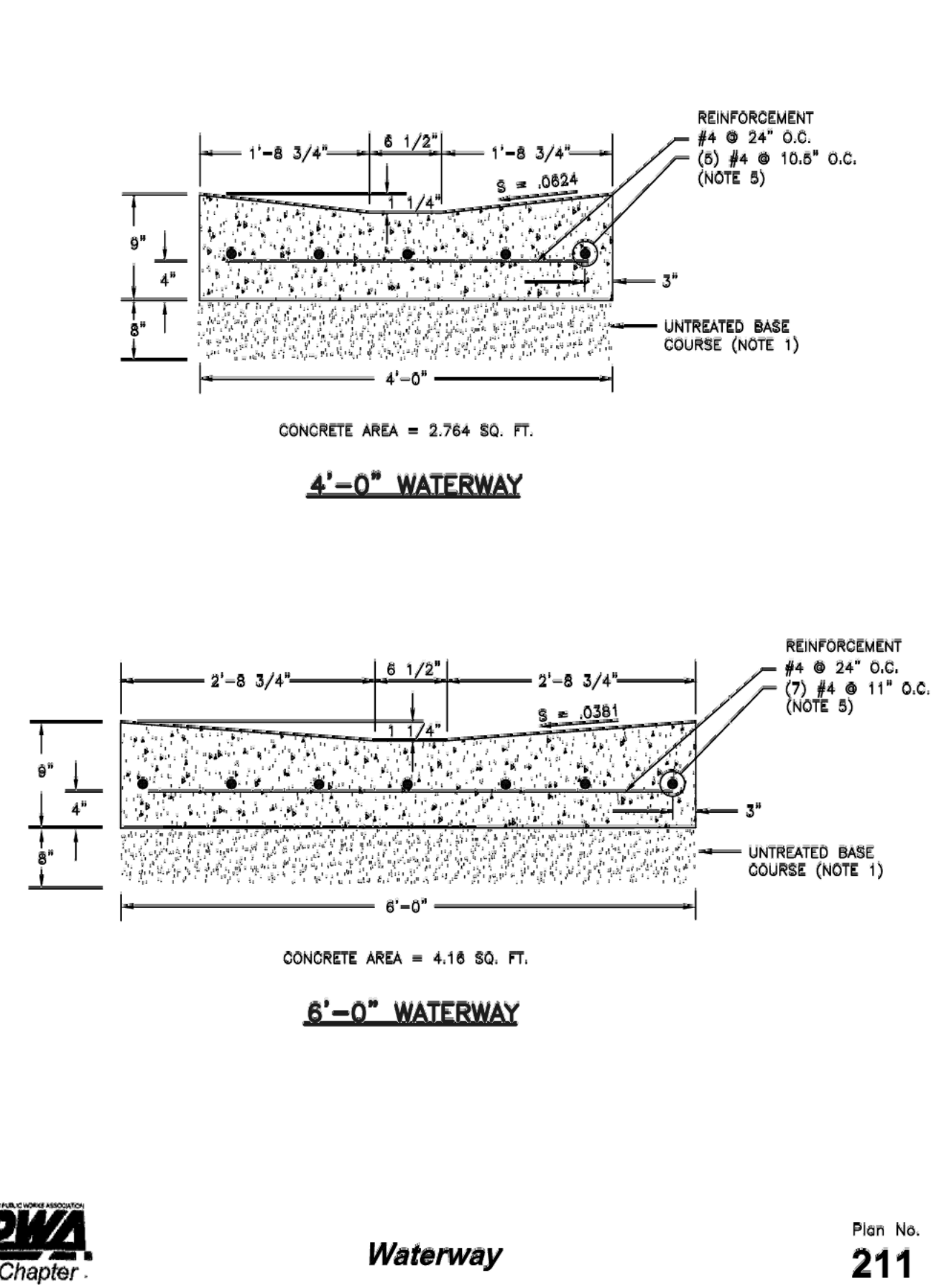
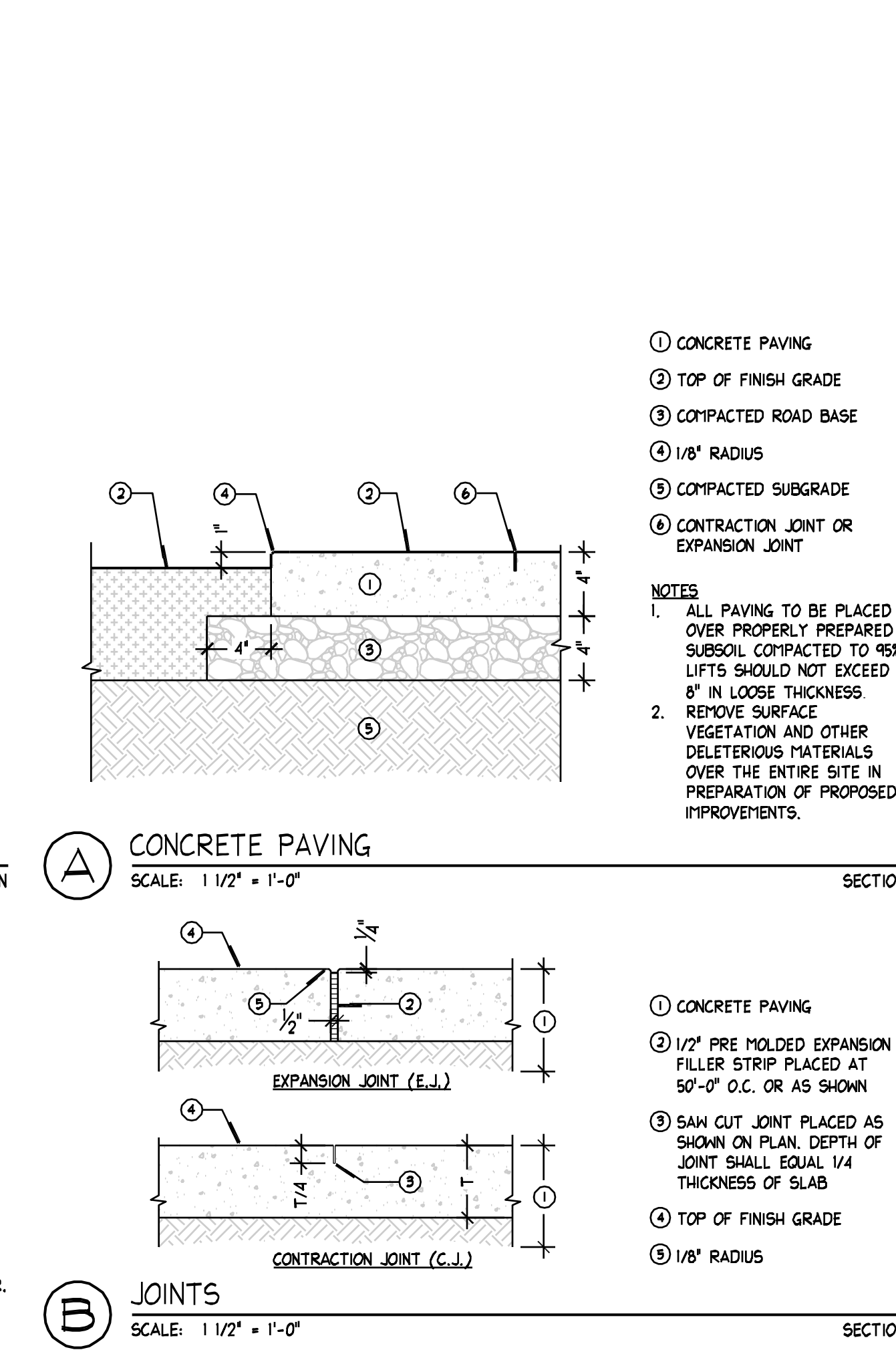
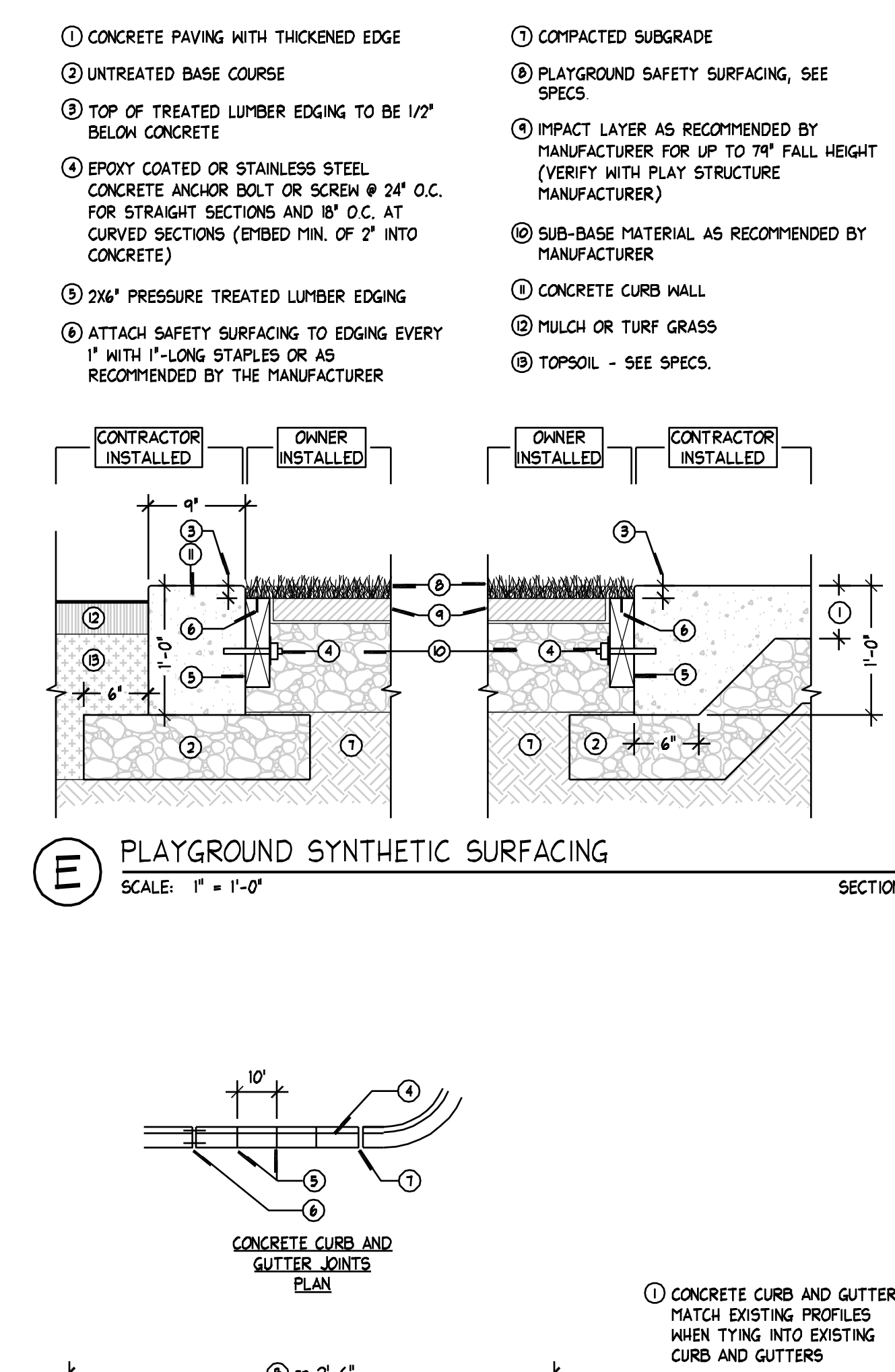
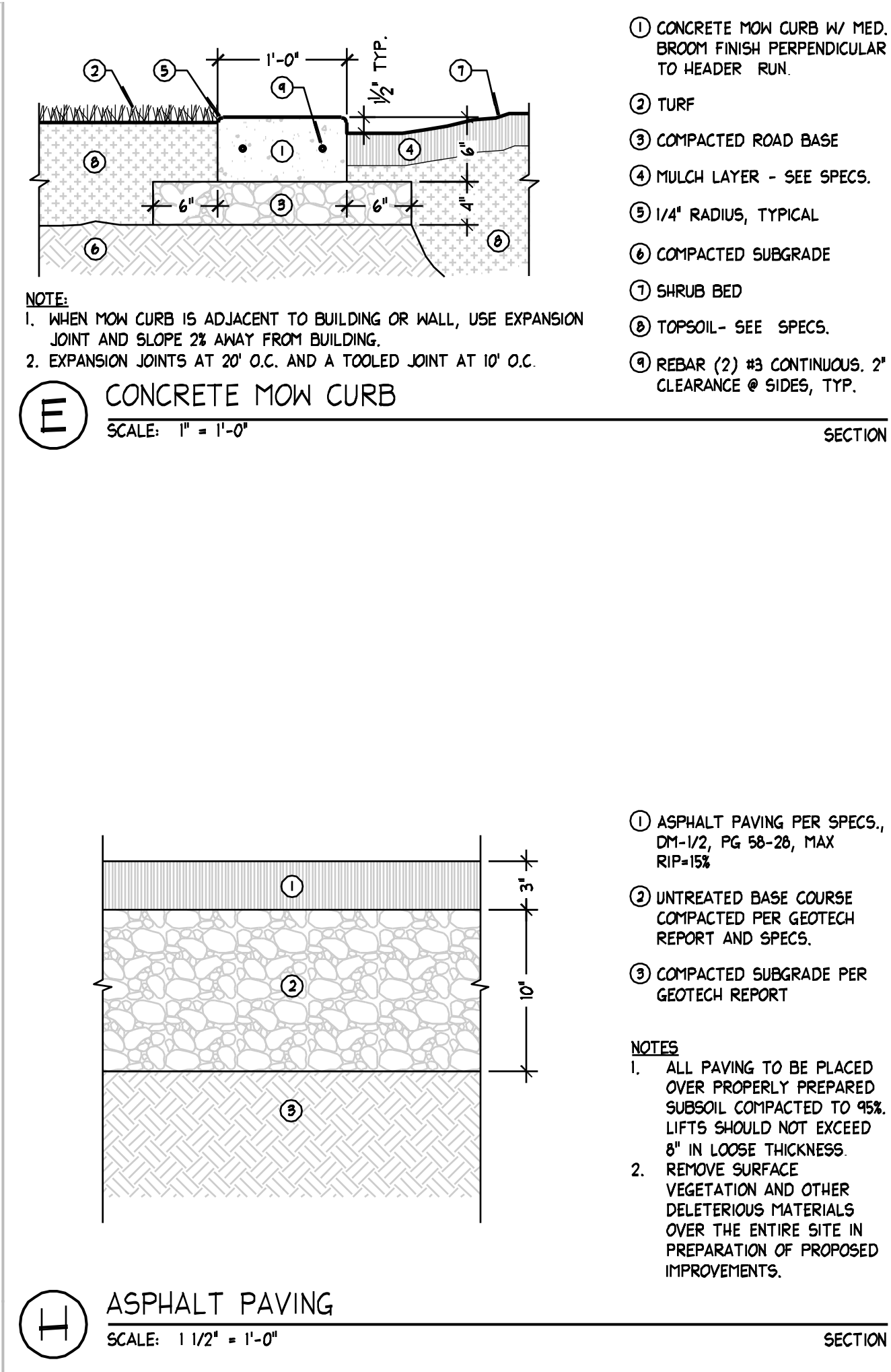
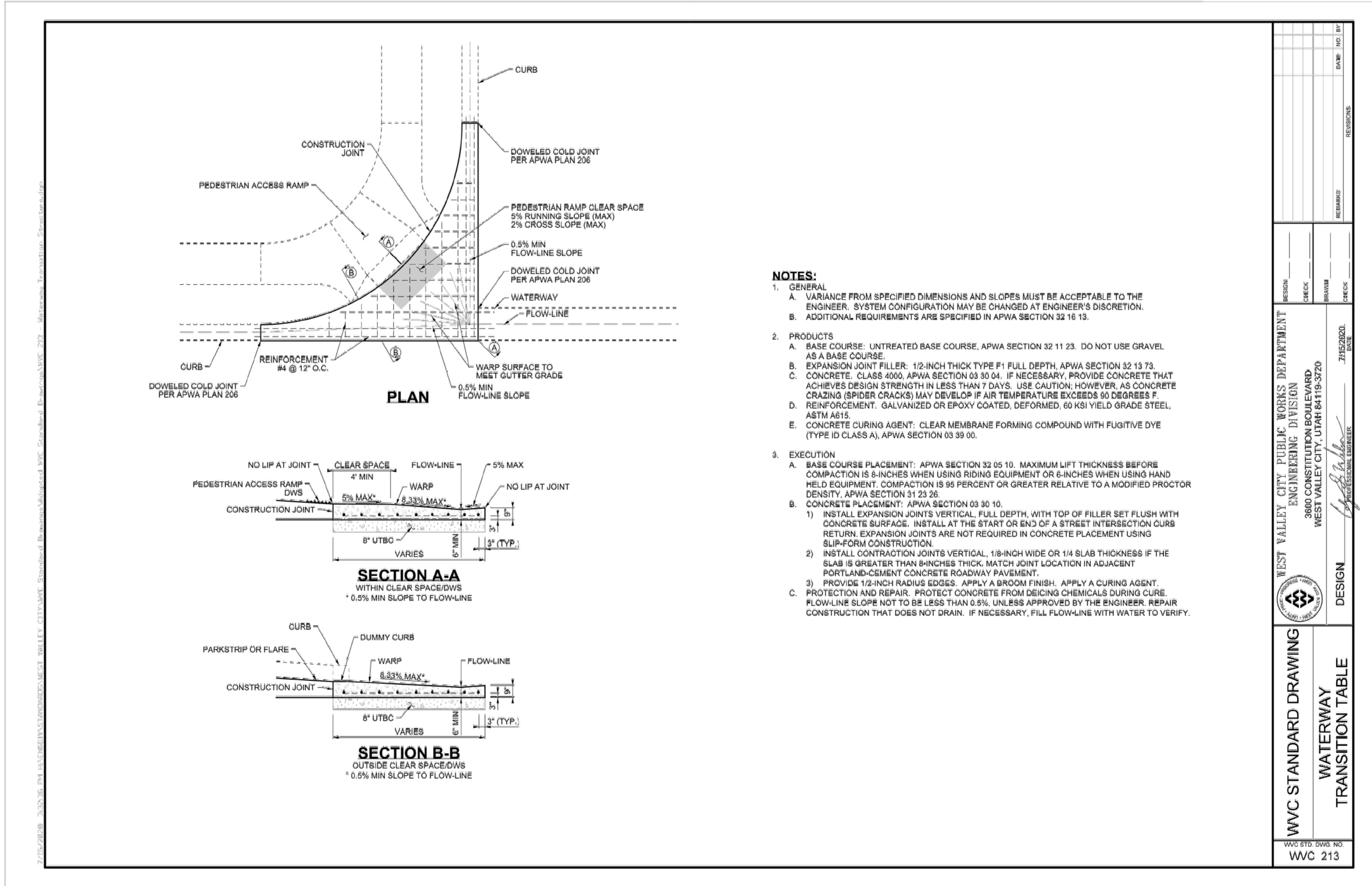
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LAYOUT AND
MATERIALS PLAN

sheet

L-M103



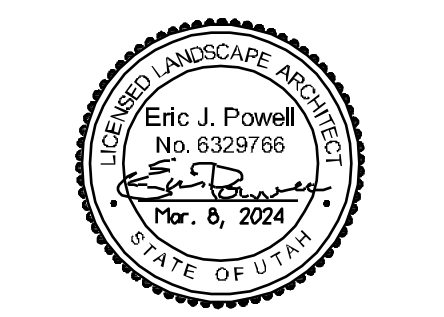
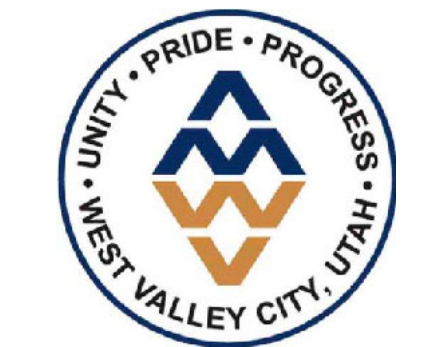
Waterway

Plan No.
211



Curb and gutter

Plan No.
205



consultant:

BID SET

project
**West View
Park
Expansion**

4059 South 6000 West
West Valley City, UT

date
March 8, 2024

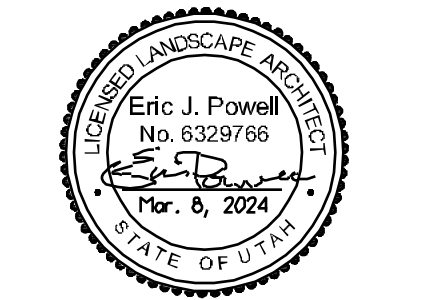
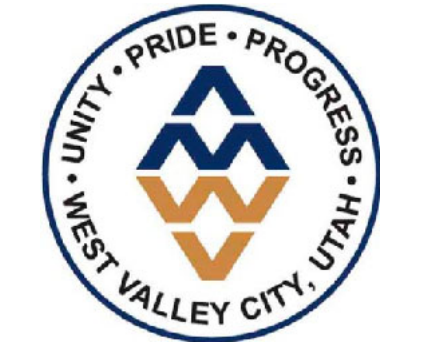
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title
**SITE
DETAILS**

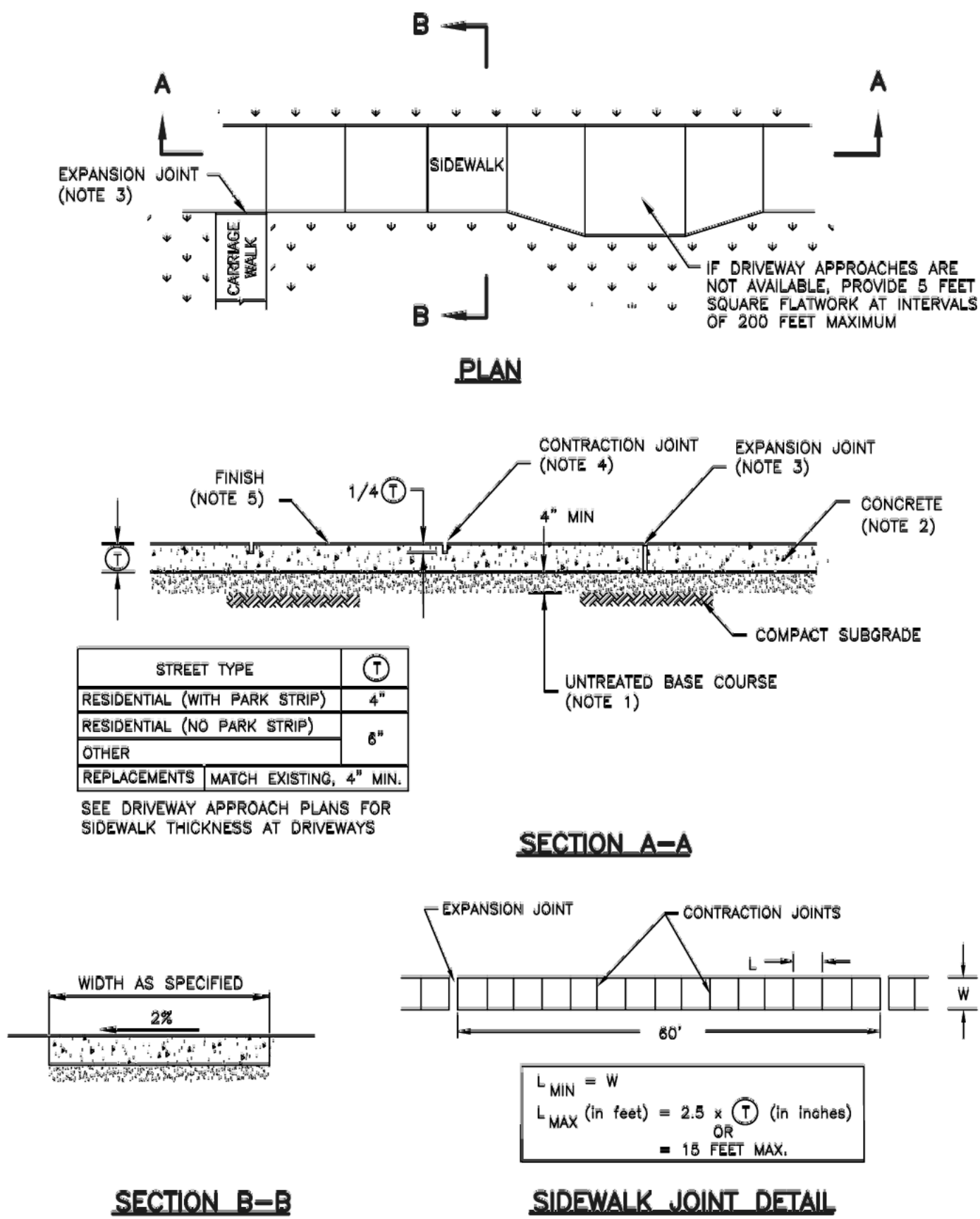
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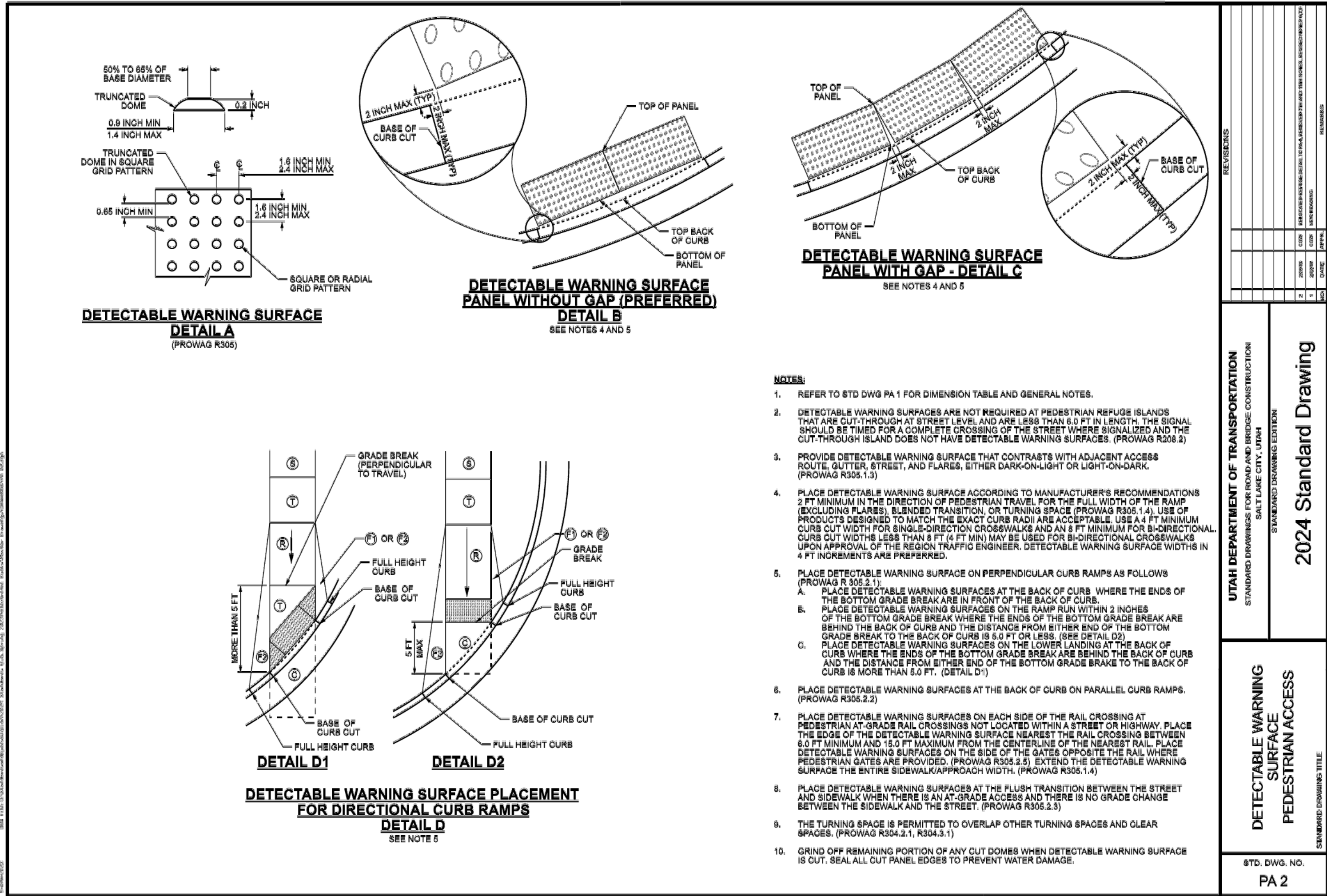
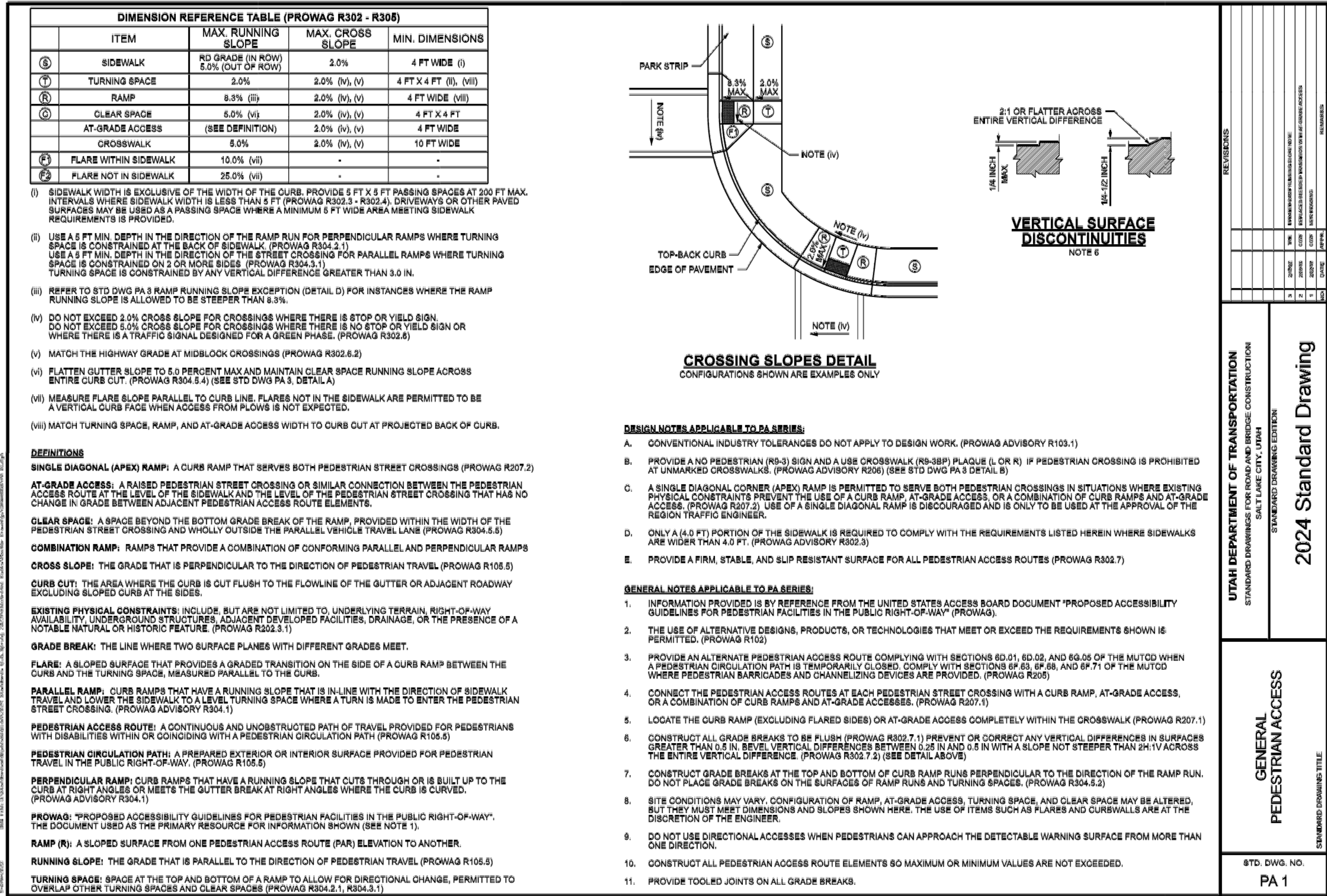


consultant:

Plan No.
231



Concrete sidewalk



BID SET

project
West View
Park
Expansion

4059 South 6000 West
West Valley City, UT

date

March 8, 2024

revisions

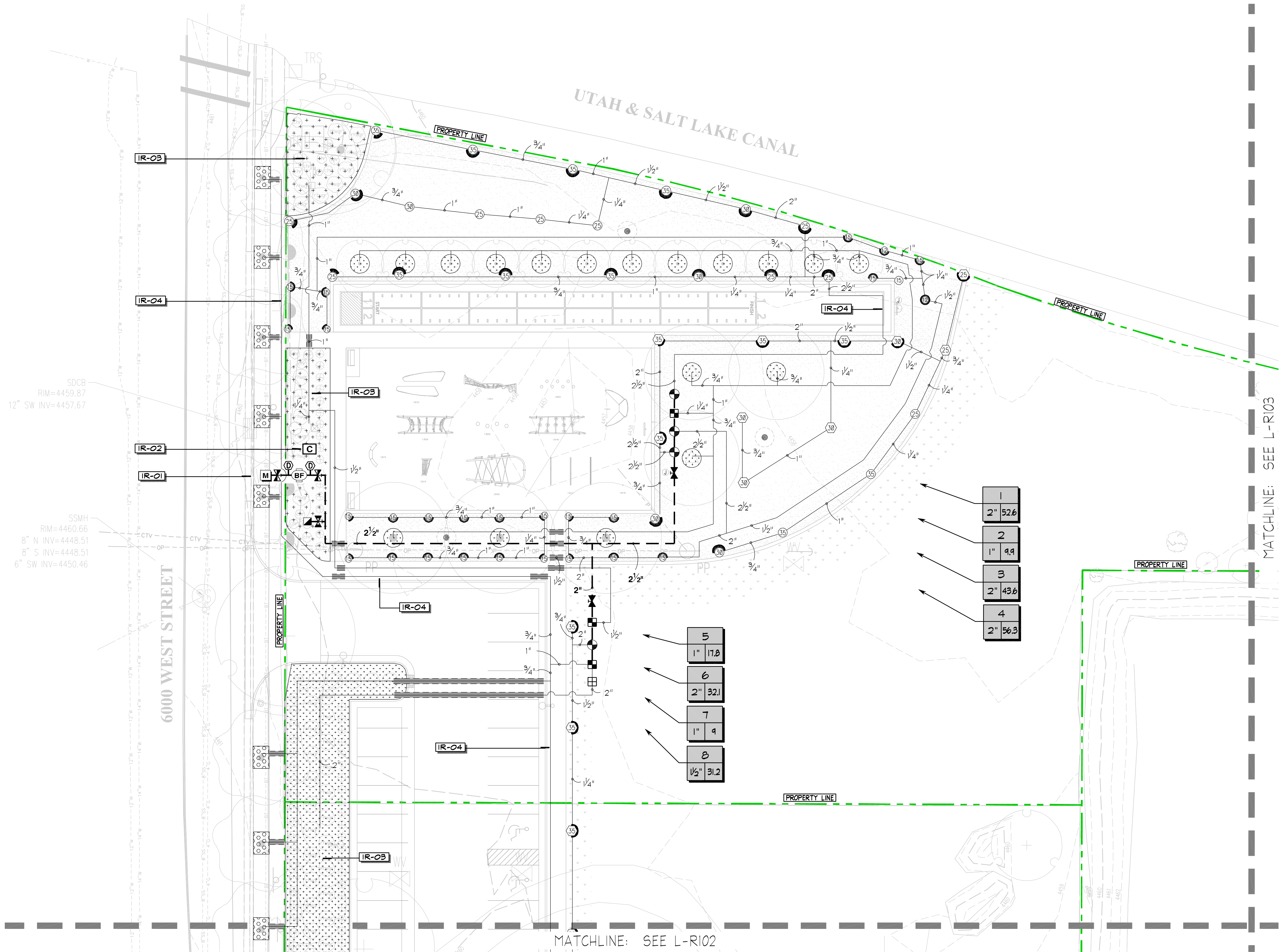
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DETAILS

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L-M502

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IRRIGATION NOTES

- IT IS THE INTENT OF THESE IRRIGATION PLANS TO PROVIDE THE CONTRACTOR WITH CONSTRUCTION INFORMATION THAT WILL ENABLE HIM TO PROVIDE AND INSTALL A COMPLETE AND OPERATIONAL IRRIGATION SYSTEM. THE CONTRACTOR SHALL PROVIDE ALL LABOR, PARTS AND MATERIALS REQUIRED.
- THE CONTRACTOR SHALL VERIFY THE AVAILABLE WATER PRESSURE ON SITE PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE. IN THE EVENT THE PRESSURE DIFFERENCES ARE NOT REPORTED PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY. CONTRACTOR TO MAINTAIN OPERATING PRESSURE FOR EACH ZONE TO THE LAST HEAD.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, STRUCTURES, WALKS, AND UTILITIES. THE IRRIGATION CONTRACTOR SHALL REPAIR OR REPLACE ALL ITEMS DAMAGED BY HIS WORK, HE SHALL COORDINATE HIS WORK WITH OTHER CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES AND LATERALS THROUGH WALLS AND UNDER PAVING.
- DO NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTIONS OR GRADING DIFFERENCES MAY NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. SUCH OBSTRUCTIONS OR DIFFERENCES SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
- THIS DESIGN IS DIAGRAMMATIC, ALL IRRIGATION EQUIPMENT, PIPING, VALVES, ETC., SHOWN WITHIN PAVED AREAS ARE FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS WHEREVER POSSIBLE.
- IRRIGATION SYSTEM IS TO BE INSTALLED AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS.
- THE CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS AND VALVES FOR OPTIMUM COVERAGE. INSTALL ALL SPRINKLER HEADS WITH NOZZLES OF THE APPROPRIATE DEGREE AND RADIUS FOR THE AREA TO BE COVERED. ADJUST ALL NOZZLES TO MINIMIZE SPRAYING ONTO WALKS, BUILDINGS, ETC.
- ALL IRRIGATION EQUIPMENT NOT OTHERWISE DETAILED OR SPECIFIED SHALL BE INSTALLED AS PER MANUFACTURES SPECS.
- ALL PIPE INSTALLED IN PAVING SHALL BE SLEEVED, SEE DETAILS.
- VALVE BOXES AND LID COVERS SHALL MATCH COLOR OF SURROUND MULCH OR GROUND COVER (TAN OR GREEN).

REFERENCE SCHEDULE NOTES

SYMBOL	IRRIGATION DESCRIPTION	DETAIL
IR-01	INSTALL 1.5" CULINARY WATER METER WITH VAULT. INSTALLATION AND TRENCHING PER GRANGER-HUNTER IMPROVEMENT DISTRICT STANDARDS AND SPECIFICATIONS	
IR-02	CONTROLLER - COORDINATE WITH ELECTRICAL CONTRACTOR FOR 120V POWER, SEE ELECTRICAL DWGS.	C/L-R502
IR-03	COORDINATE LAYOUT OF IRRIGATION HEADS PRIOR TO PLACEMENT OF PROPOSED PLANT MATERIAL, TYP.	
IR-04	IRRIGATION EQUIPMENT SHOWN OUTSIDE PLANTING AREAS FOR GRAPHIC CLARITY ONLY. EQUIPMENT SHALL BE LOCATED INSIDE SHRUB BEDS AND ADJACENT WITH PAVEMENT EDGE, TYP.	

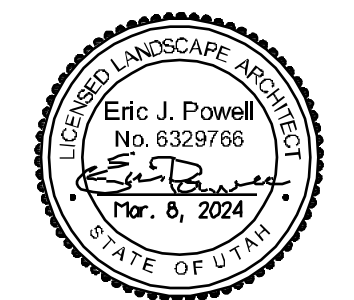
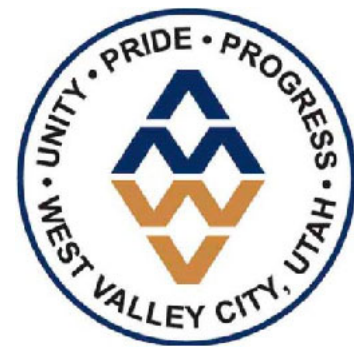
VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	PSI
1	Rain Bird FFB-PRS-D	2"	Turf Rotor	52.61	45.2
2	Rain Bird XCZ-100-PRB-LC	1"	Area for Drip Emitters	4.4	41.6
3	Rain Bird FFB-PRS-D	2"	Turf Spray	43.6	38.7
4	Rain Bird FFB-PRS-D	2"	Shrub Rotor	56.32	44.1
5	Rain Bird XCZ-100-PRB-LC	1"	Area for Drip Emitters	17.18	53.6
6	Rain Bird FFB-PRS-D	2"	Shrub Rotor	32.13	45.4
7	Rain Bird XCZ-100-PRB-LC	1"	Area for Drip Emitters	4	40.1
8	Rain Bird XCZ-150-PRB-COM	1-1/2"	Area for Drip Emitters	31.6	45.2

SYSTEM ANALYSIS

FLOW AVAILABLE	
Water Meter Size:	1-1/2"
Flow Available:	75 GPM
PRESSURE AVAILABLE	
Static Pressure at FOC:	90 PSI
Elevation Change:	5.00 Ft
Length of Service Line:	20 Ft
Pressure Available:	88 PSI
DESIGN ANALYSIS	
Maximum Multi-valve Flow:	50 GPM
Flow Available at FOC:	75 GPM
Residual Flow Available:	25 GPM
Critical Station:	5
Design Pressure:	30 PSI
Friction Loss:	2.33 PSI
Fittings Loss:	0.23 PSI
Loss through Valve:	21 PSI
Pressure Req. at Critical Station:	53.6 PSI
Loss for Fittings:	0.14 PSI
Loss for Main Line:	1.4 PSI
Loss for Backflow:	11.8 PSI
Loss for Water Meter:	4.4 PSI
Critical Station Pressure at FOC:	71.8 PSI
Pressure Available:	88 PSI
Residual Pressure Available:	16.2 PSI

SCALE & NORTH ARROW



consultant:

BID SET

project
West View
Park
Expansion

4059 South 6000 West
West Valley City, UT

date
March 8, 2024

revisions

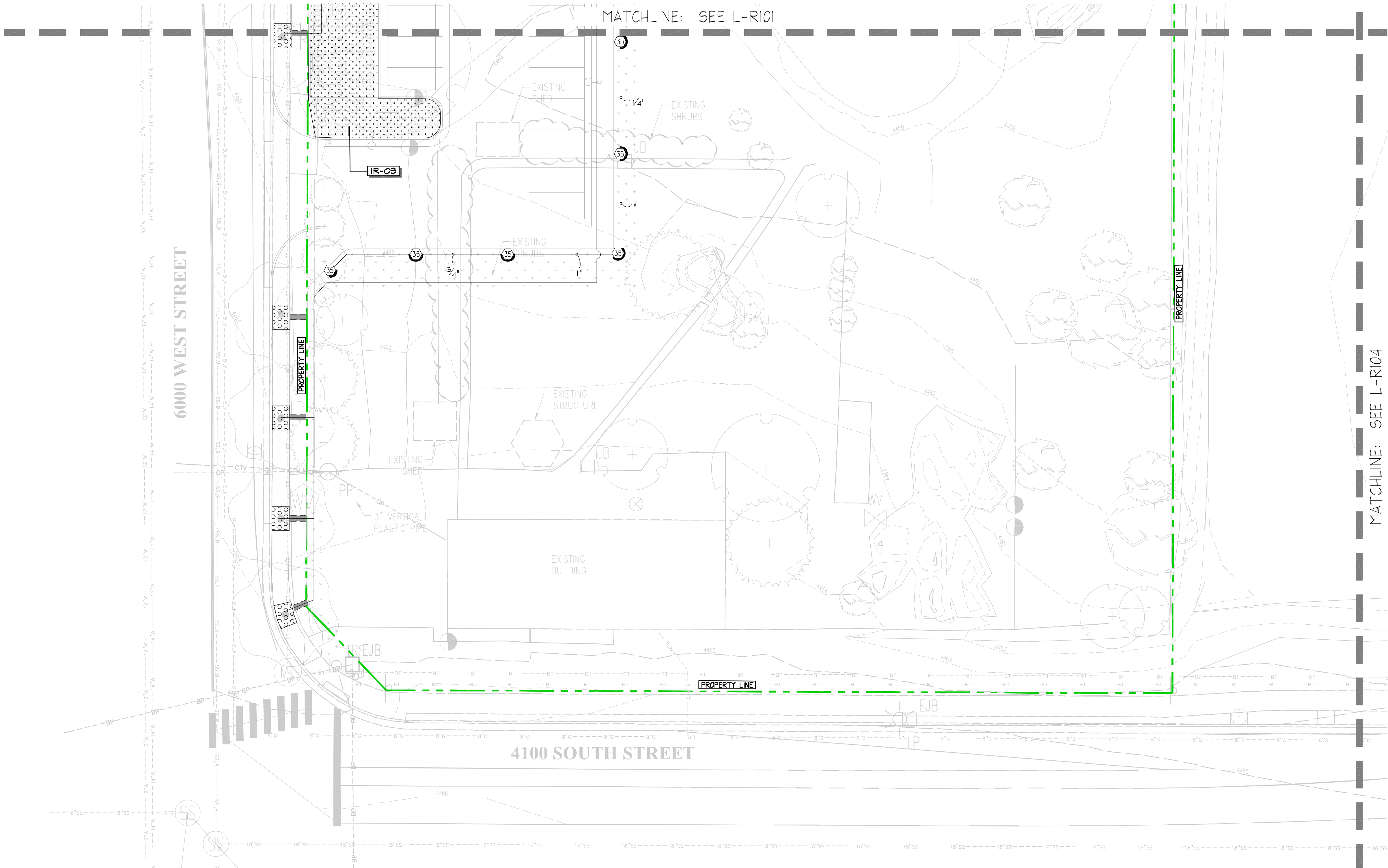
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IRRIGATION
PLAN

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L-R101

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IRRIGATION NOTES

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REFERENCE SCHEDULE NOTES

SYMBOL	IRRIGATION DESCRIPTION	DETAIL
IR-01	INSTALL 1.5" CULINARY WATER METER WITH VAULT. INSTALLATION AND TRENCHING PER GRANBER-HUNTER IMPROVEMENT DISTRICT STANDARDS AND SPECIFICATIONS	
IR-02	CONTROLLER - COORDINATE WITH ELECTRICAL CONTRACTOR FOR 120V POWER, SEE ELECTRICAL DWGS.	C/L-R502
IR-03	COORDINATE LAYOUT OF IRRIGATION HEADS PRIOR TO PLACEMENT OF PROPOSED PLANT MATERIAL, TYP.	
IR-04	IRRIGATION EQUIPMENT SHOWN OUTSIDE PLANTING AREAS FOR GRAPHIC CLARITY ONLY. EQUIPMENT SHALL BE LOCATED INSIDE SHRUB BEDS AND ALIGNED WITH PAVEMENT EDGE, TYP.	

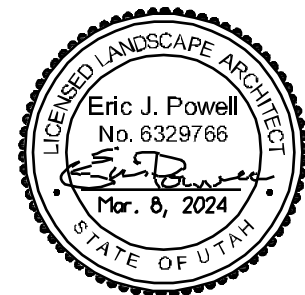
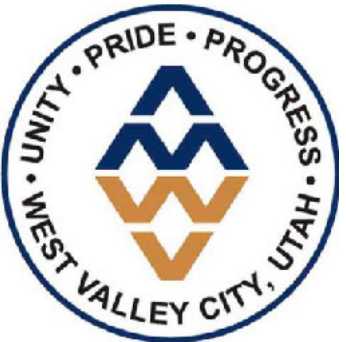
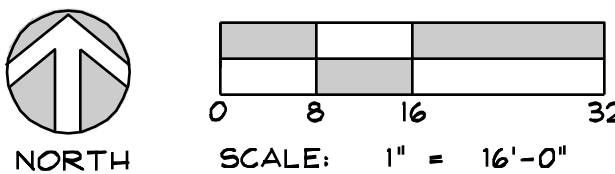
VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	PSI
1	Rain Bird FEB-PRS-D	2"	Turf Rotor	52.61	45.2
2	Rain Bird XCZ-100-PRB-LC	1"	Area for Drip Emitters	4.4	41.6
3	Rain Bird FEB-PRS-D	1"	Turf Spray	43.6	38.7
4	Rain Bird FEB-PRS-D	2"	Shrub Rotor	56.32	44.1
5	Rain Bird XCZ-100-PRB-LC	1"	Area for Drip Emitters	17.78	53.6
6	Rain Bird FEB-PRS-D	2"	Shrub Rotor	32.13	45.4
7	Rain Bird XCZ-100-PRB-LC	1"	Area for Drip Emitters	4	40.1
8	Rain Bird XCZ-150-PRB-COM	1-1/2"	Area for Drip Emitters	31.16	45.2

SYSTEM ANALYSIS

FLOW AVAILABLE	
Water Meter Size:	1-1/2"
Flow Available:	75 GPM
PRESSURE AVAILABLE	
Static Pressure at FOC:	90 PSI
Elevation Change:	5.00 Ft
Length of Service Line:	20 Ft
Pressure Available:	88 PSI
DESIGN ANALYSIS	
Maximum Multi-valve Flow:	50 GPM
Flow Available at FOC:	75 GPM
Residual Flow Available:	25 GPM
Critical Station:	
Design Pressure:	5
Friction Loss:	30 PSI
Fittings Loss:	2.33 PSI
Loss through Valve:	0.23 PSI
Pressure Req. at Critical Station:	21 PSI
Loss for Fittings:	53.6 PSI
Loss for Main Line:	0.14 PSI
Loss for Backflow:	1.4 PSI
Loss for Water Meter:	11.8 PSI
Critical Station Pressure at FOC:	4.9 PSI
Pressure Available:	71.8 PSI
Residual Pressure Available:	88 PSI
	16.2 PSI

SCALE & NORTH ARROW



consultant:

BID SET

project
West View
Park
Expansion

4059 South 6000 West
West Valley City, UT

date
March 8, 2024

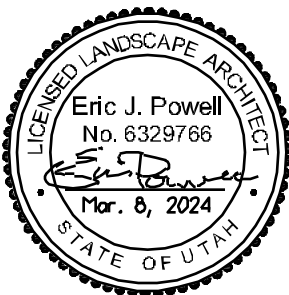
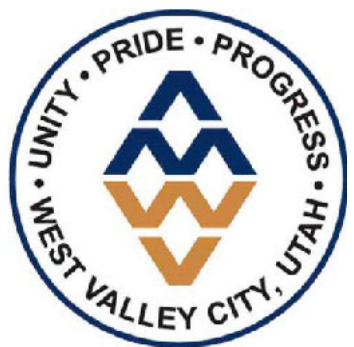
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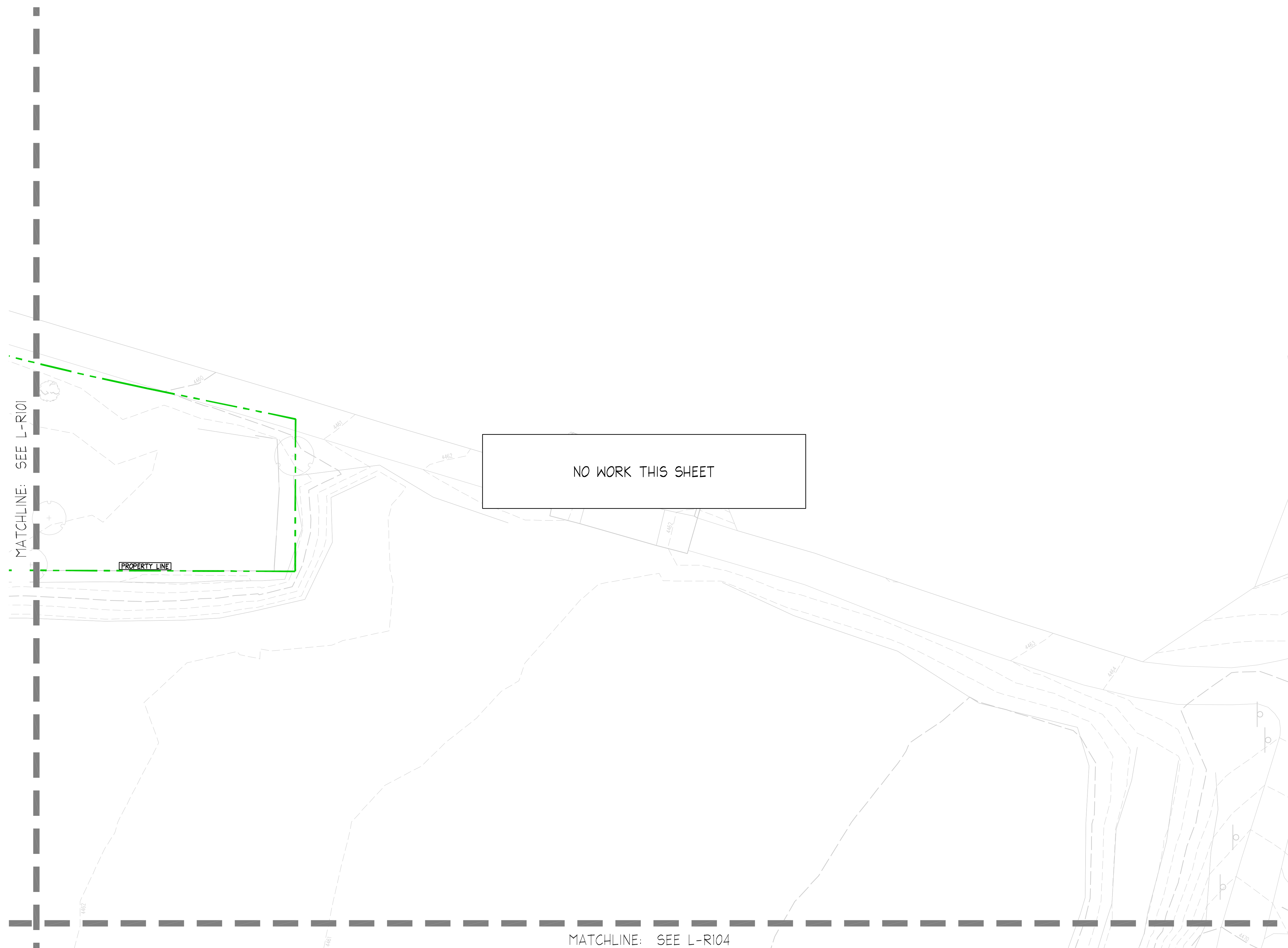
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consultant:



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11. VALVE BOXES AND LID COVERS SHALL MATCH COLOR OF SURROUND MULCH OR GROUNDCOVER (TAN OR GREEN).

<u>SYMBOL</u>	<u>IRRIGATION DESCRIPTION</u>	<u>DETAIL</u>
<u>IR-01</u>	INSTALL 15" CULINARY WATER METER WITH VAULT. INSTALLATION AND TRENCH PER GRANGER-HUNTER IMPROVEMENT DISTRICT STANDARDS AND SPECIFICATIONS.	
<u>IR-02</u>	CONTROLLER - COORDINATE WITH ELECTRICAL CONTRACTOR FOR 120V POWER SEE ELECTRICAL PAGE.	C/L-RS02
<u>IR-03</u>	COORDINATE LAYOUT OF IRRIGATION HEADS PRIOR TO PLACEMENT OF PROPOSED PLANT MATERIAL, TYP.	
<u>IR-04</u>	IRRIGATION EQUIPMENT SHOWN OUTSIDE PLANTING AREAS FOR GRAPHIC CLARITY ONLY. EQUIPMENT SHALL BE LOCATED INSIDE SHRUB BEDS AND ALIGNED WITH PAVEMENT EDGE, TYP.	

<u>NUMBER</u>	<u>MODEL</u>	<u>SIZE</u>	<u>TYPE</u>	<u>GPM</u>	<u>PSI</u>
1	Rain Bird PEB-PRS-D	2"	Turf Rotar	52.61	45.2
3	Rain Bird XCZ-100-FRB-LG	1"	Area for Drip Emitters	4.81	41.6
4	Rain Bird PEB-PRS-D	2"	Turf Spray	49.6	41.6
4	Rain Bird PEB-PRS-D	2"	Shrub Rotar	56.32	44.1
5	Rain Bird XCZ-100-FRB-LG	1"	Area for Drip Emitters	17.78	53.6
7	Rain Bird PEB-PRS-D	2"	Shrub Rotar	52.13	45.2
7	Rain Bird XCZ-100-FRB-LG	1"	Area for Drip Emitters	9	40.1
8	Rain Bird XCZ-50-FRB-COM	1-1/2"	Area for Drip Emitters	91.6	45.2

FLOW AVAILABLE	
Water Meter Size:	1-1/2"
Flow Available	75 GPM
PRESSURE AVAILABLE	
Static Pressure at FOG:	90 PSI
Elevation Change:	5.00 ft
Length of Service Line:	20 ft
Pressure Available:	80 PSI
DESIGN ANALYSIS	
Maximum Multi-valve Flow:	50 GPM
Flow Available at FOG:	75 GPM
Residual Flow Available:	25 GPM
Critical Station:	
Design Pressure:	5
Friction Loss:	30 PSI
Fittings Loss:	2.33 PSI
Loss through Valve:	0.23 PSI
	21 PSI
Pressure Req. at Critical Station:	53.6 PSI
Loss for Fittings:	0.14 PSI
Loss for Main Line:	1.4 PSI
Loss for Backflow:	11.8 PSI
Loss for Water Meter:	4.9 PSI
Critical Station Pressure at FOG:	71.8 PSI
Pressure Available:	80 PSI
Residual Pressure Available:	16.2 PSI

BID SET

4059 South 6000 West
West Valley City, UT

date March 8, 2024

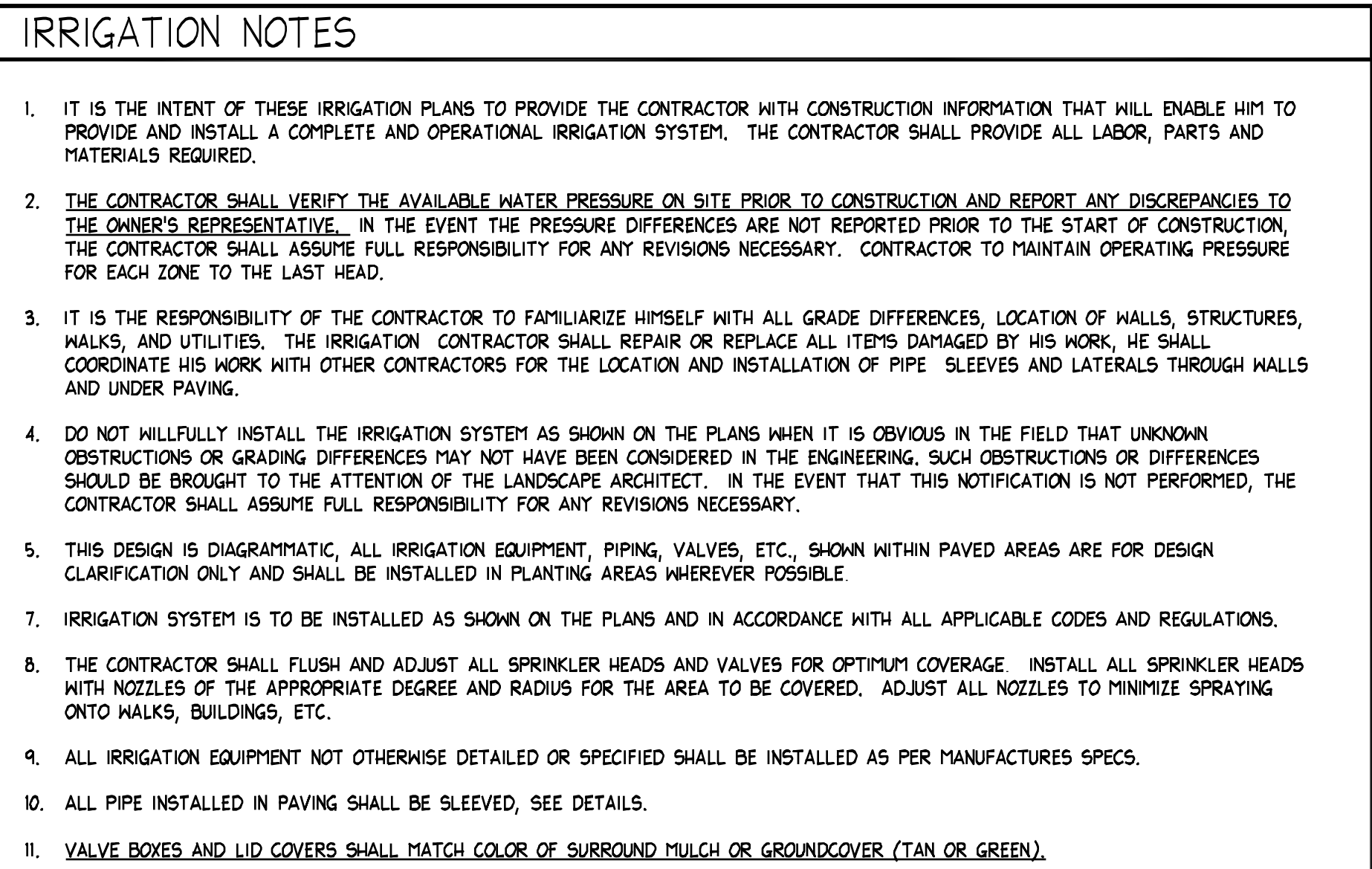
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IRRIGATION PLAN

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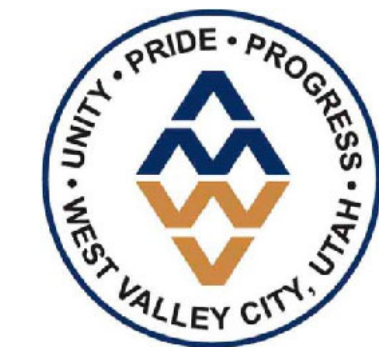
<u>SYMBOL</u>	<u>IRRIGATION DESCRIPTION</u>	<u>DETAIL</u>
<u>IR-01</u>	INSTALL 1.5" CULINARY WATER METER WITH VAULT, INSTALLATION AND TRENCHING PER GRANGER-HUNTER IMPROVEMENT CONTRACT STANDARDS AND SPECIFICATIONS	
<u>IR-02</u>	CONTROLLER - COORDINATE WITH ELECTRICAL CONTRACTOR FOR 120V POWER, SEE ELECTRICAL DMS5.	C/L-R502
<u>IR-03</u>	COORDINATE LAYOUT OF IRRIGATION HEADS PRIOR TO PLACEMENT OF PROPOSED PLANT MATERIAL, TYP.	
<u>IR-04</u>	IRRIGATION EQUIPMENT SHOWN OUTSIDE PLANTING AREAS FOR GRAPHIC CLARITY ONLY. EQUIPMENT SHALL BE LOCATED INSIDE SHRUB BEDS AND ALIGNED WITH PAVEMENT EDGE, TYP.	

<u>NUMBER</u>	<u>MODEL</u>	<u>SIZE</u>	<u>TYPE</u>	<u>GPM</u>	<u>PSI</u>
1	Rain Bird PEB-PRS-D	2"	Turf Rotor	52.61	45.2
2	Rain Bird KCZ-100-PRB-LC	2"	Area for Drip Emitters	9.9	41.6
3	Rain Bird PEB-PRS-D	2"	Turf Spray	43.6	45.2
4	Rain Bird PEB-PRS-D	2"	Shrub Rotor	56.32	44.1
5	Rain Bird KCZ-100-PRB-LC	1"	Area for Drip Emitters	17.78	53.6
6	Rain Bird PEB-PRS-D	2"	Shrub Rotor	52.13	45.2
7	Rain Bird KCZ-100-PRB-LC	1"	Area for Drip Emitters	9	40.1
8	Rain Bird KCZ-150-PRB-CM	1-1/2"	Area for Drip Emitters	31.66	45.2

FLOW AVAILABLE	
Water Meter Size:	1-1/2"
Flow Available	75 GPM
PRESSURE AVAILABLE	
Static Pressure at POC:	90 PSI
Elevation Change:	5.00 ft
Length of Service Line:	20 ft
Pressure Available:	80 PSI
DESIGN ANALYSIS	
Maximum Multi-valve Flow:	50 GPM
Flow Available at POC:	75 GPM
Residual Flow Available:	25 GPM
Critical Station:	
Design Pressure:	50 PSI
Friction Loss:	2.33 PSI
Fittings Loss:	0.25 PSI
Loss through Valve:	21 PSI
Pressure Req. at Critical Station:	53.6 PSI
Loss for Fittings:	0.14 PSI
Loss for Main Line:	1.4 PSI
Loss for Backflow:	11.8 PSI
Loss for Water Meter:	4.9 PSI
Critical Station Pressure at POC:	71.8 PSI
Pressure Available:	80 PSI
Residual Pressure Available:	16.2 PSI

 NORTH

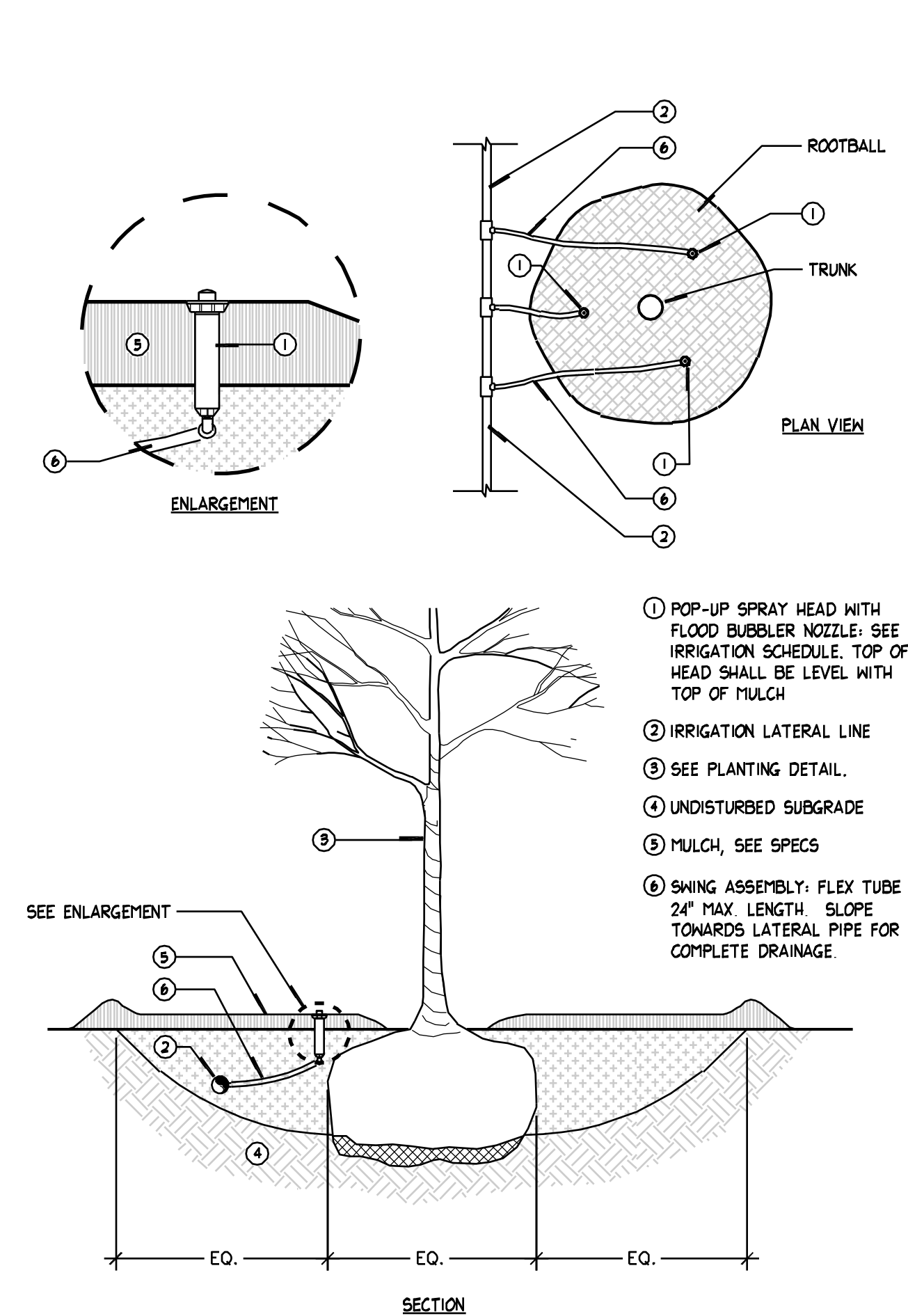
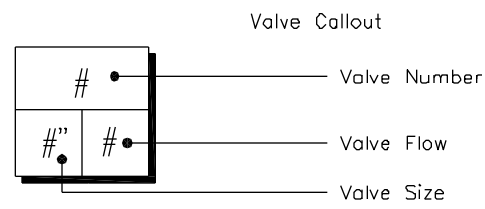
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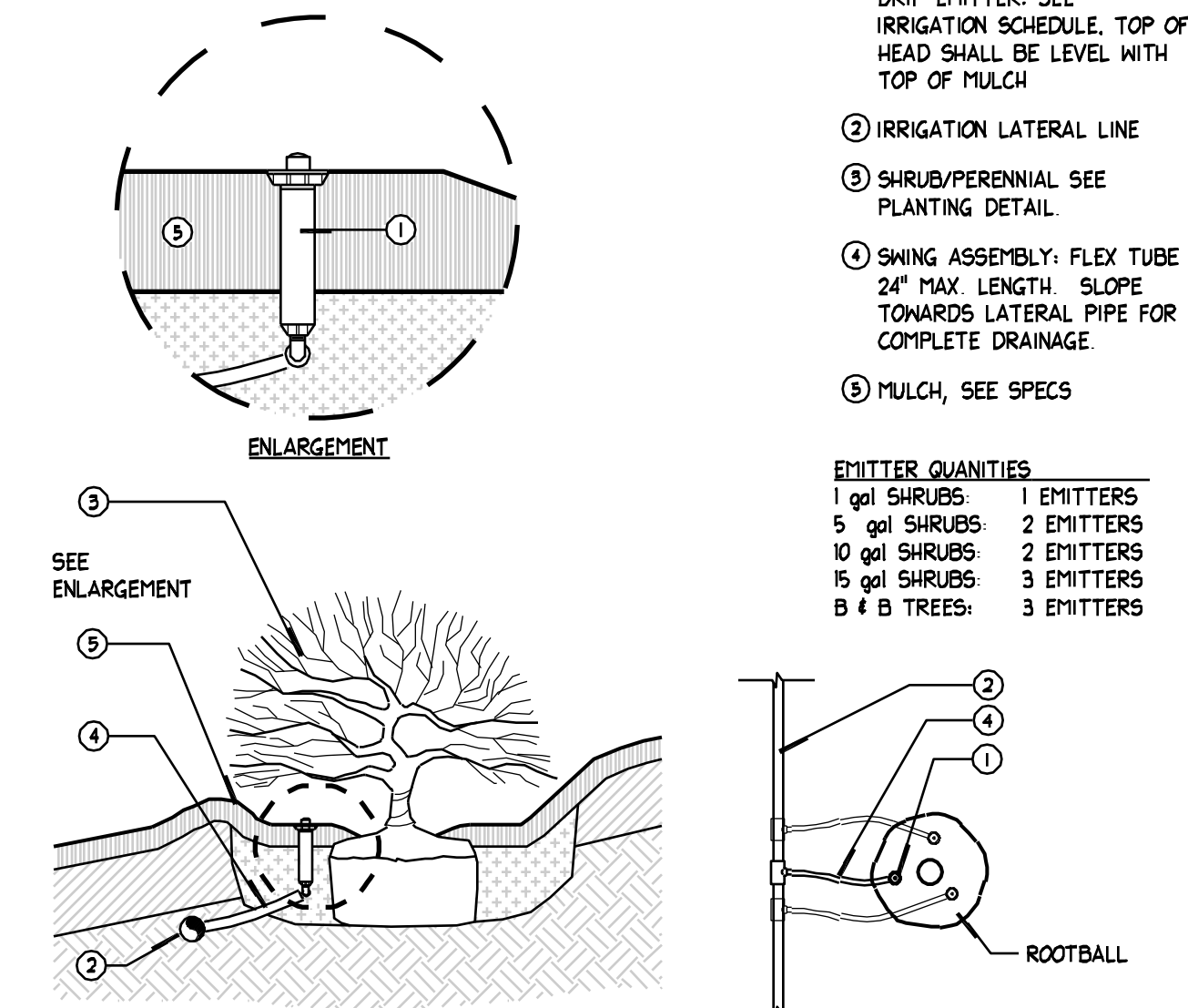
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IRRIGATION SCHEDULE

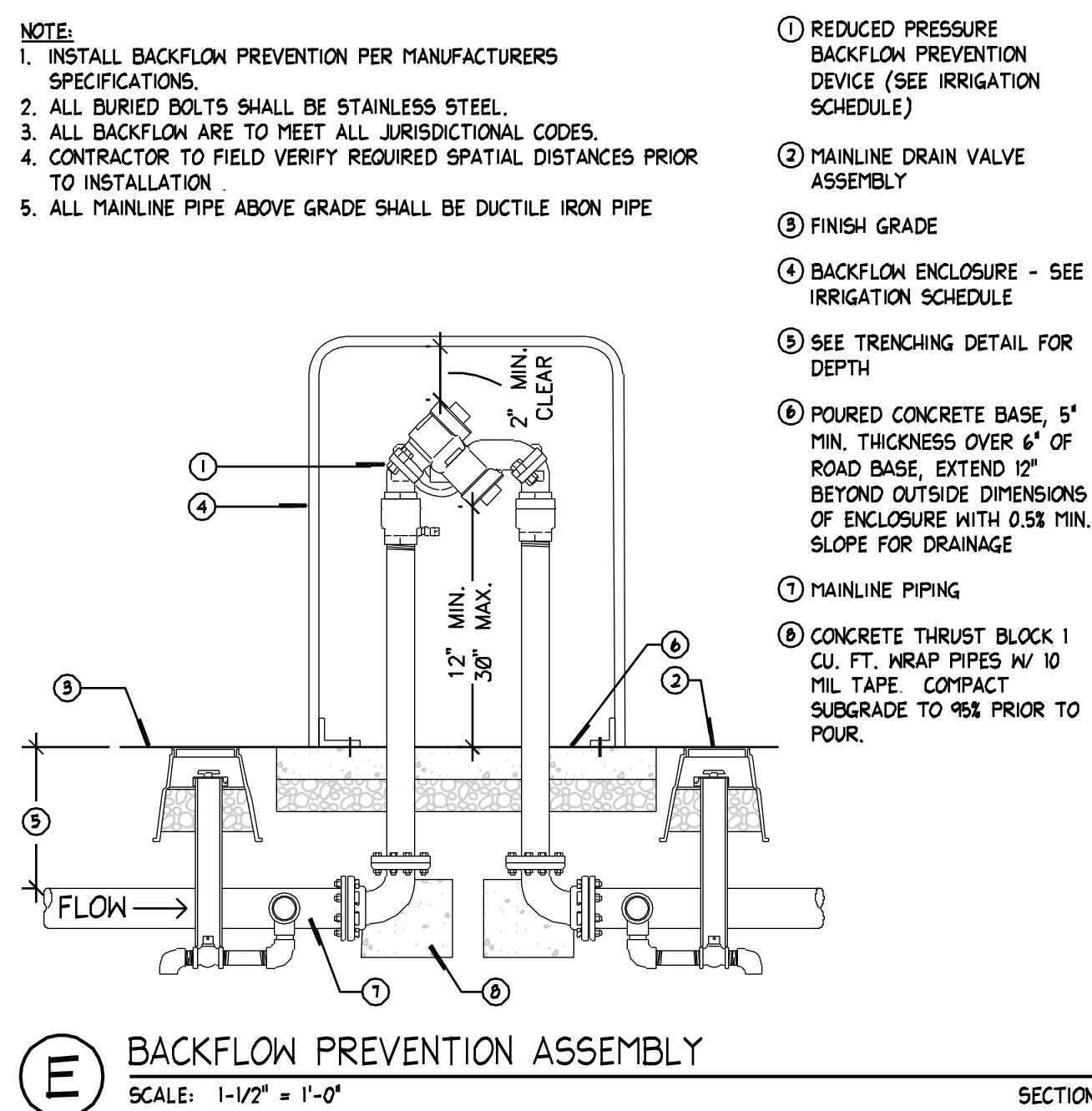
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	ARC	PSI	GPM	RADIUS
12	Rain Bird RD-04-S-P30-F-U 12F	360	30	2.6	12'
13	Rain Bird RD-04-S-P30-F-U 12H	180	30	1.3	12'
15	Rain Bird RD-04-S-P30-F-U 15H	180	30	1.85	15'
16	Rain Bird RD-04-S-P30-F-U 15Q	90	30	0.92	15'
15	Rain Bird RD-04-S-P30-F-U 15 HE-V	Adj	30	≤9.71	15'
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI	GPM	RADIUS	
25	Rain Bird 5006-PL-PCFC-MPR-SAM-R-55 25 Turf Rotor, 6" Pop-Up, Stainless Steel Riser, with Flow Shut-Off Device, Matched Precipitation Rator (MPR Nozzle), Arc and Radius as per Symbol. 25 ft=red, 30 ft=green, 35ft=beige. With Seal-A-Matic Check Valve, and In-Stem Pressure Regulator.	35		24'	
25	Rain Bird 5012-SAM-R-55-PCFC-NP 25 Shrub Rotor, 12" Pop-Up, Stainless Steel Riser, Matched Precipitation Rator (MPR nozzle), Arc and Radius as per Symbol. 25 ft=red, 30 ft=green, 35ft=beige. With Seal-A-Matic Check Valve, Pressure Regulating.	35		24'	
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION				
■	Rain Bird XGZ-100-PRB-LG Wide Flow Drip Control Kit, for Light Commercial Uses, 1" PEB Valve, with 1" Pressure Regulating 40psi Basket Filter. 0.9-20 GPM.				
■	Rain Bird XGZ-150-PRB-COM High Flow Control Zone Kit, for Large Commercial Drip Zones, 1-1/2" PEBB Valve with two 1" Pressure Regulating (40psi) Quick-Check Basket Filters. Flow range: 15-40 gpm.				
■	Area to Receive Drip Emitters Rain Bird 1400 Flood Bubblers Fixed flow rate 0.25 GPM - 2.0 GPM, full circle bubbler, 1/2in. FIPT. 1401 emitters (3 assigned to each B & B, 2" plant)				
■	Area to Receive Drip Emitters Rain Bird FCT Pressure Compensating Threaded Low-Flow Bubblers. Offered in 5 GPH, 7 GPH, and 10 GPH models, with 1/2" FIPT threaded inlet. Light Brown = 5 GPH, Violet = 7 GPH, and Green = 10 GPH. Emitter Notes: 10 gph emitters (2 assigned to each 5 gal plant) 10 gph emitters (3 assigned to each B & B, 2" plant)				
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION				
●	Rain Bird PEB-PRS-D 1", 1-1/2", 2" Plastic Industrial Valves. Low Flow Operating Capability, Globe Configuration, With Pressure Regulator Module.				
■	Rain Bird 44-NP 1" Brass Quick-Coupling Valve, with Corrosion-Resistant Stainless Steel Spring, Locking Non-Potable Purple Rubber Cover, and 2-Piece Body.				
✂	Matco-Norca 200 RTD Resilient wedge gate valve. Size equal to pipe size. 2" square operating nut.				
✂	Nibco T-113 Class 125 bronze isolation gate valve with wheel handle at remote control valves, same size as pipe dia. at valve location. Install one isolation gate valve per each remote control valve				
✂	Nibco T-113-K Class 125 bronze gate shut off valve with cross handle, same size as mainline pipe diameter at valve location.				
⓪	Ford Manual Drain B11-593				
Ⓟ	Fabco B25YA 1-1/2" Reduced Pressure Backflow Preventer. Install in Guard Shack Enclosure (green) or approved equal. Contractor to verify dimensions prior to ordering.				
C	Rain Bird ESP36LXMEF 36 Station Commercial Controller with flow sensing capabilities. Include IQS5-USA communication cartridge (including one year of service), and IQEXTANT6P external antenna. Mount controller in cabinet as shown on electrical single (EPI01) Coordinate work with elect. contractor.				
M	Water Meter 1-1/2" Coordinate water meter installation with GHID				
	Irrigation Lateral Line: PVC Schedule 40				
	Irrigation Mainline: PVC Schedule 40				
	Pipe Sleeve: PVC Class 200 SDR 21				



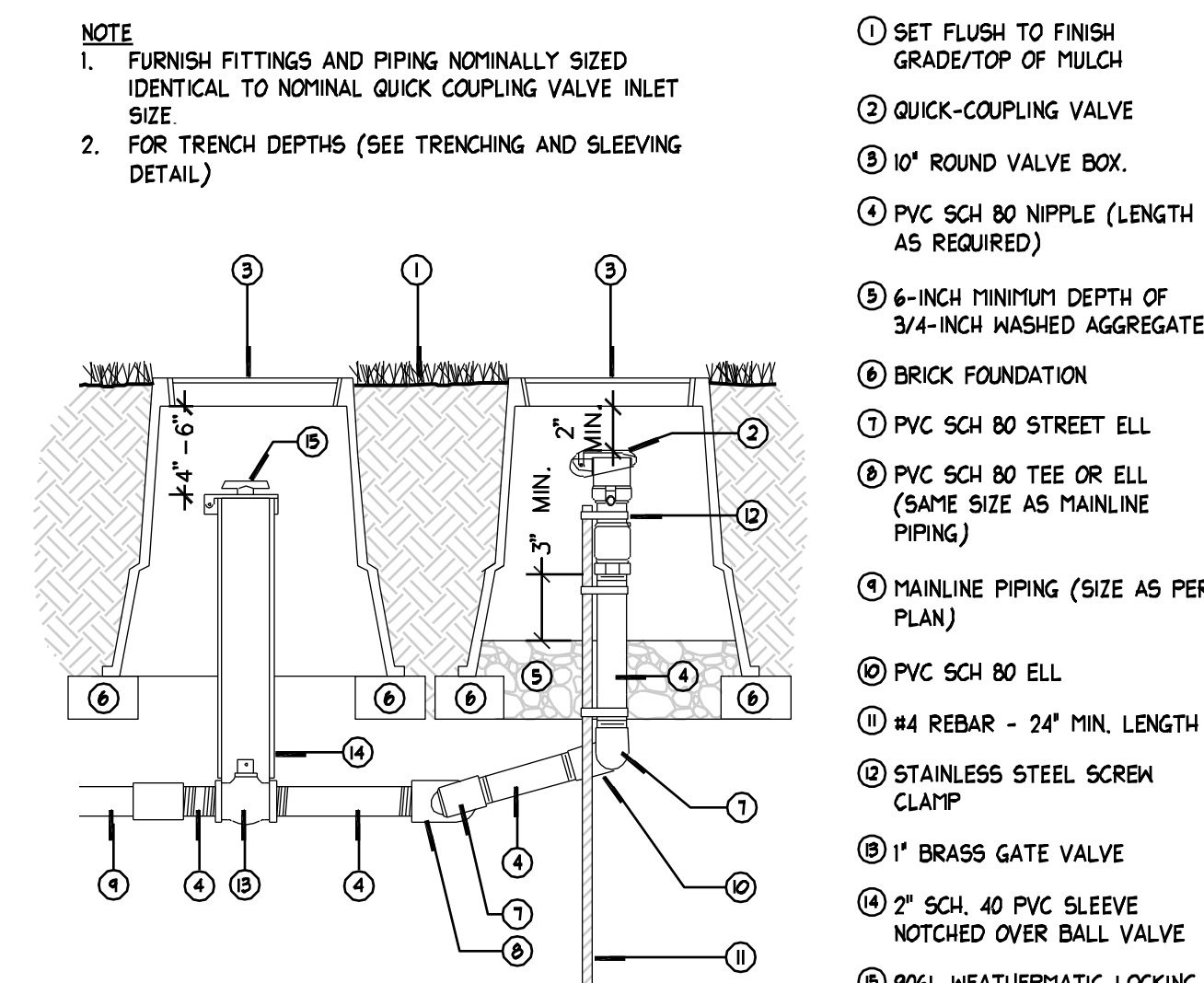
1 TREE BUBBLER
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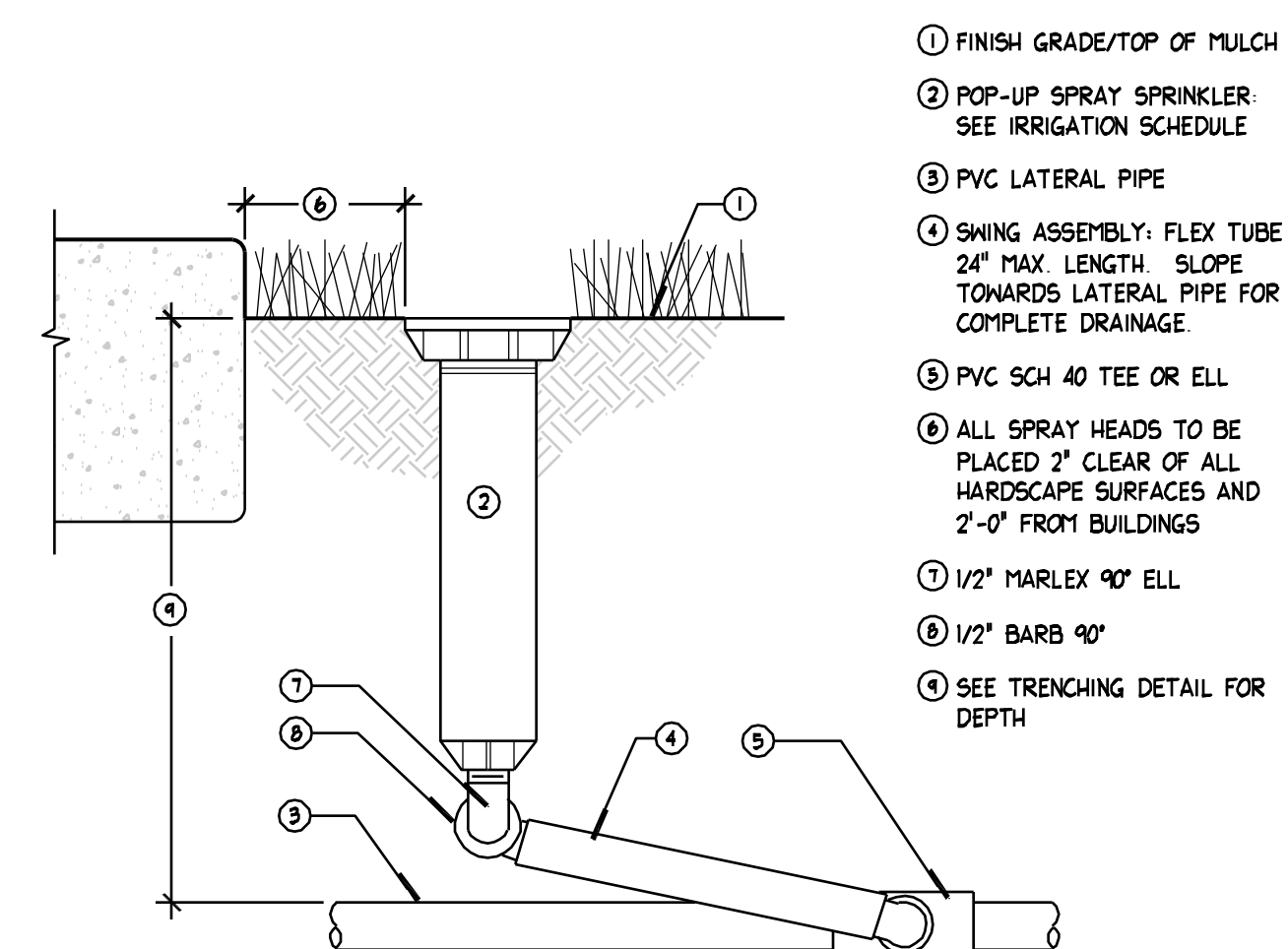
J SHRUB BUBBLER
SCALE: 3/4" = 1'-0"



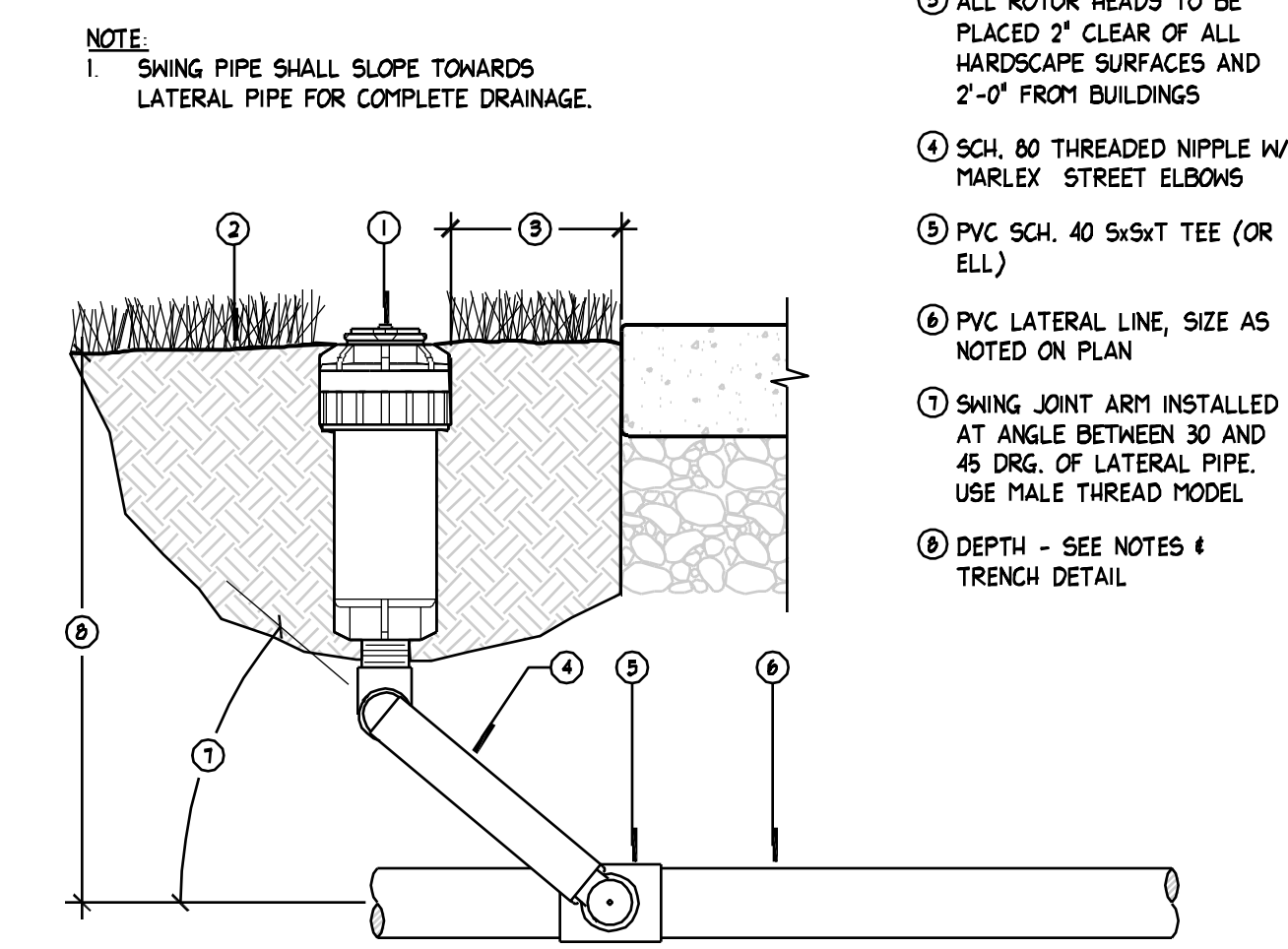
E BACKFLOW PREVENTION ASSEMBLY
SCALE: 1-1/2" = 1'-0"



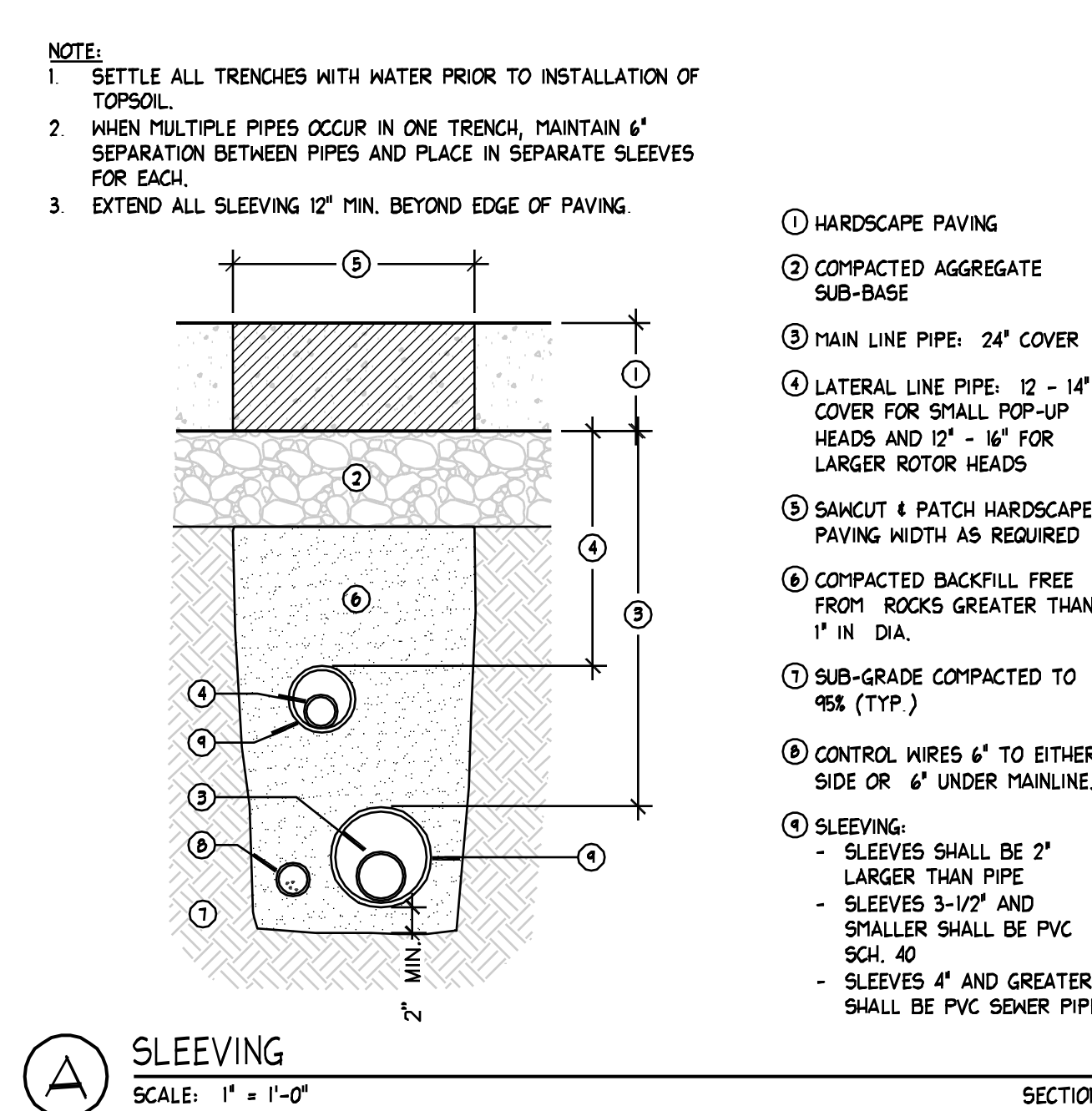
F QUICK COUPLER VALVE ASSEMBLY
SCALE: 1 1/2" = 1'-0"



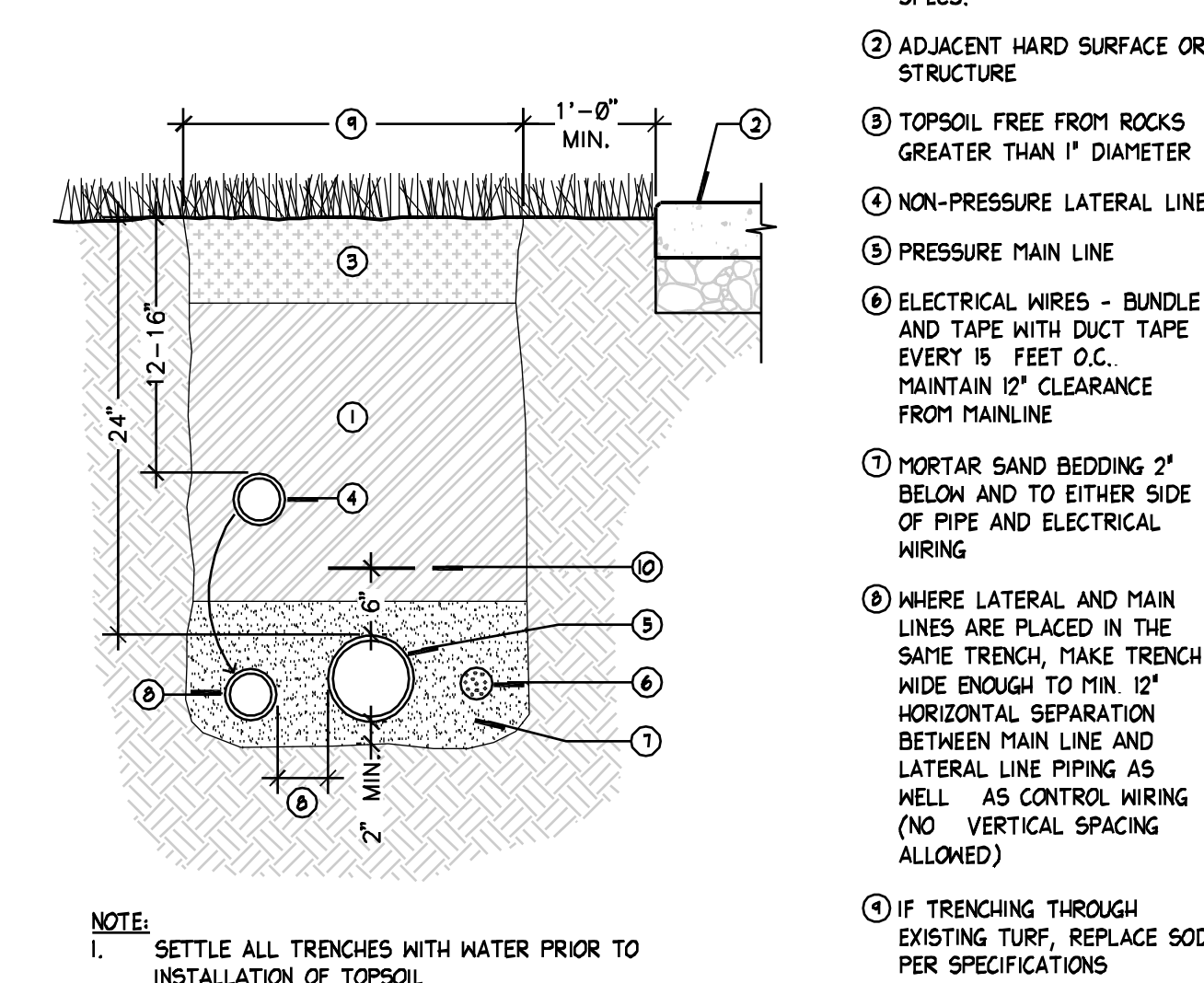
G POP-UP SPRAY HEAD
SCALE: 3" = 1'-0"



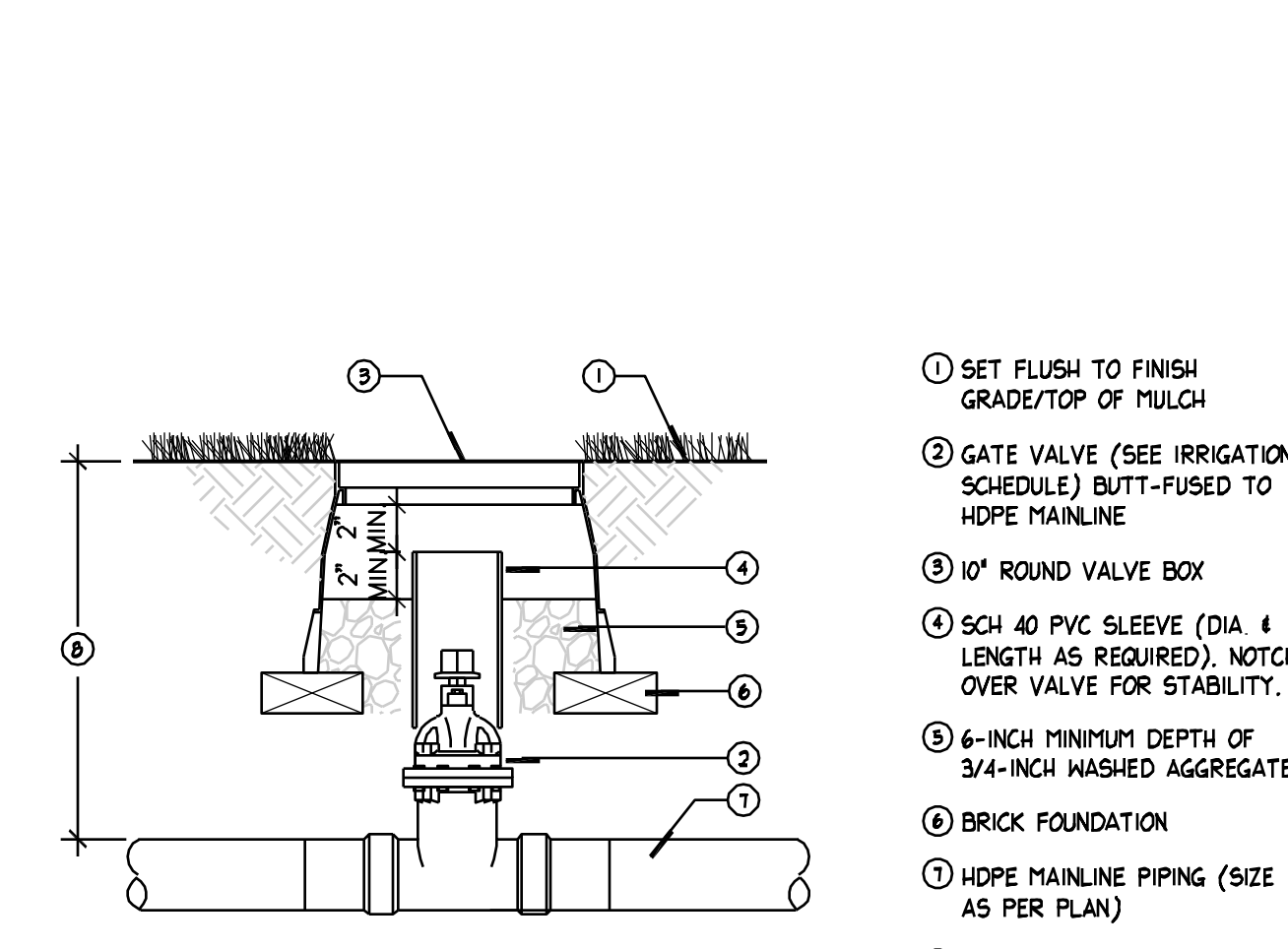
H POP-UP ROTOR HEAD
SCALE: 3" = 1'-0"



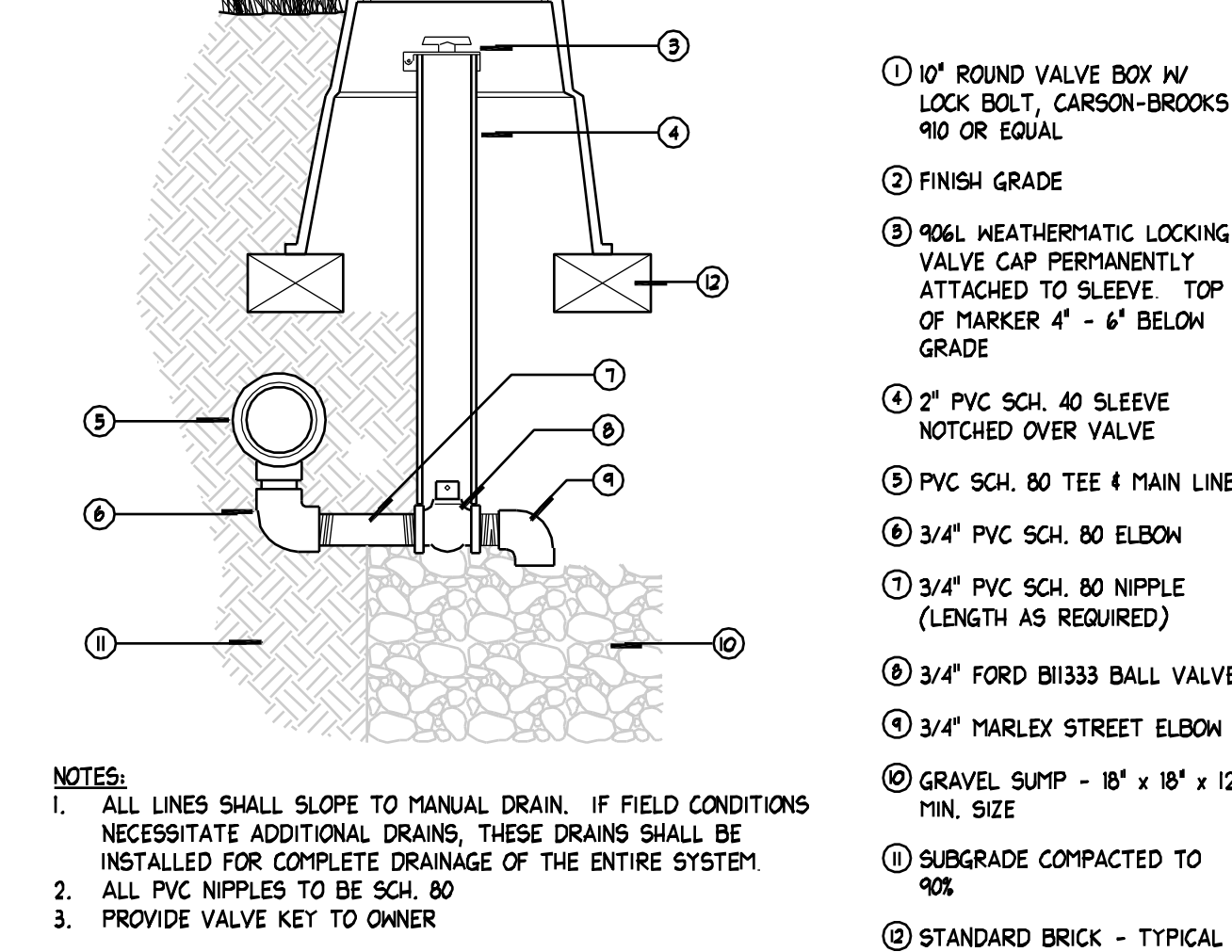
A SLEEVING
SCALE: 1" = 1'-0"



B TRENCHING
SCALE: 3/4" = 1'-0"



C ISOLATION BALL VALVE ASSEMBLY
SCALE: 1 1/2" = 1'-0"



D MANUAL DRAIN VALVE
SCALE: 3" = 1'-0"

BID SET

project
West View
Park
Expansion

4059 South 6000 West
West Valley City, UT

date

March 8, 2024

revisions

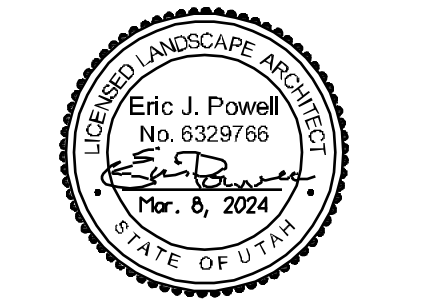
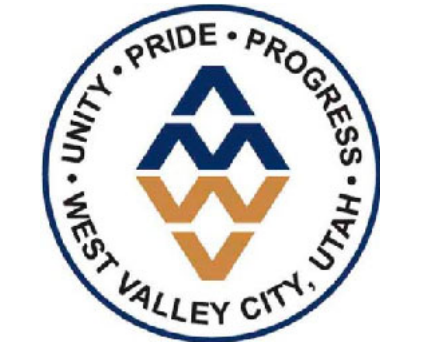
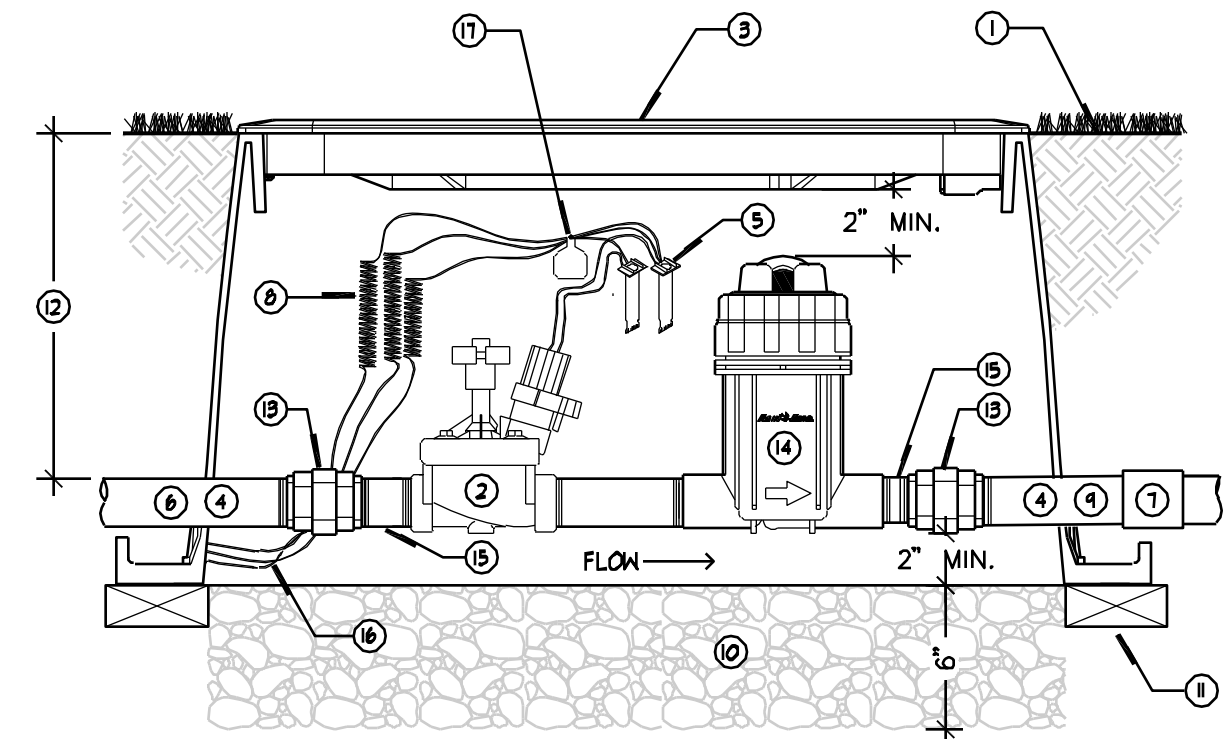
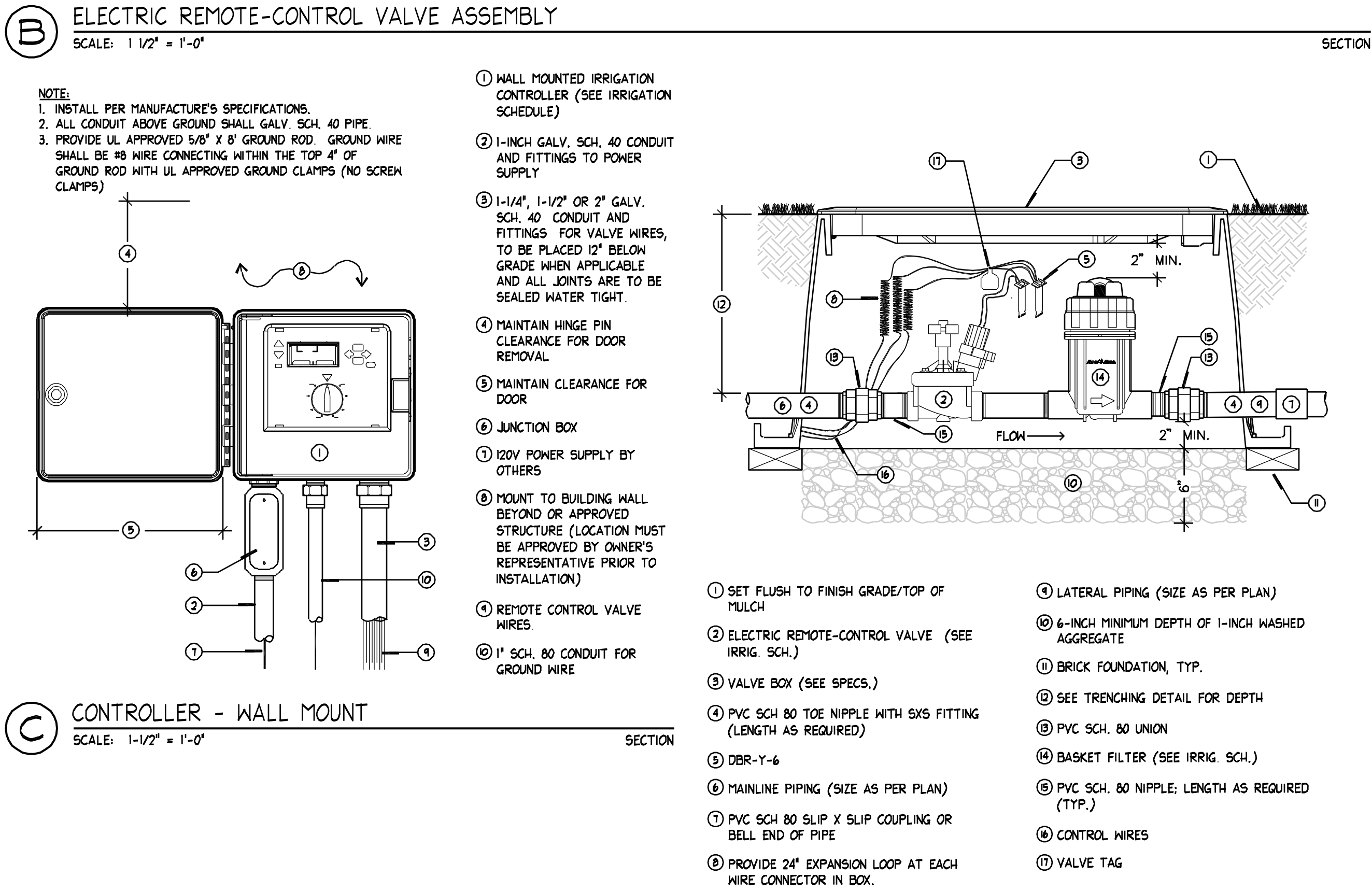
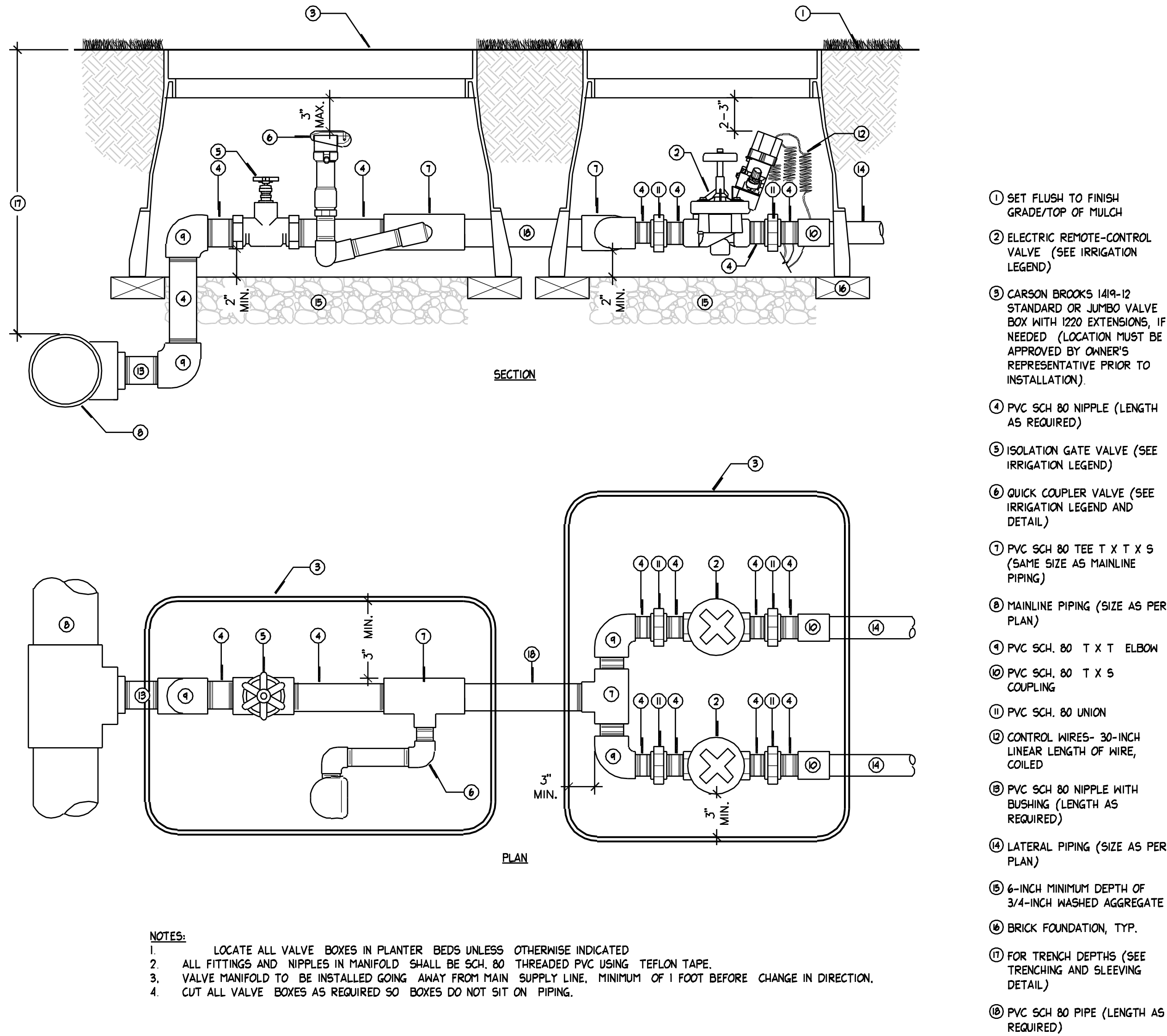
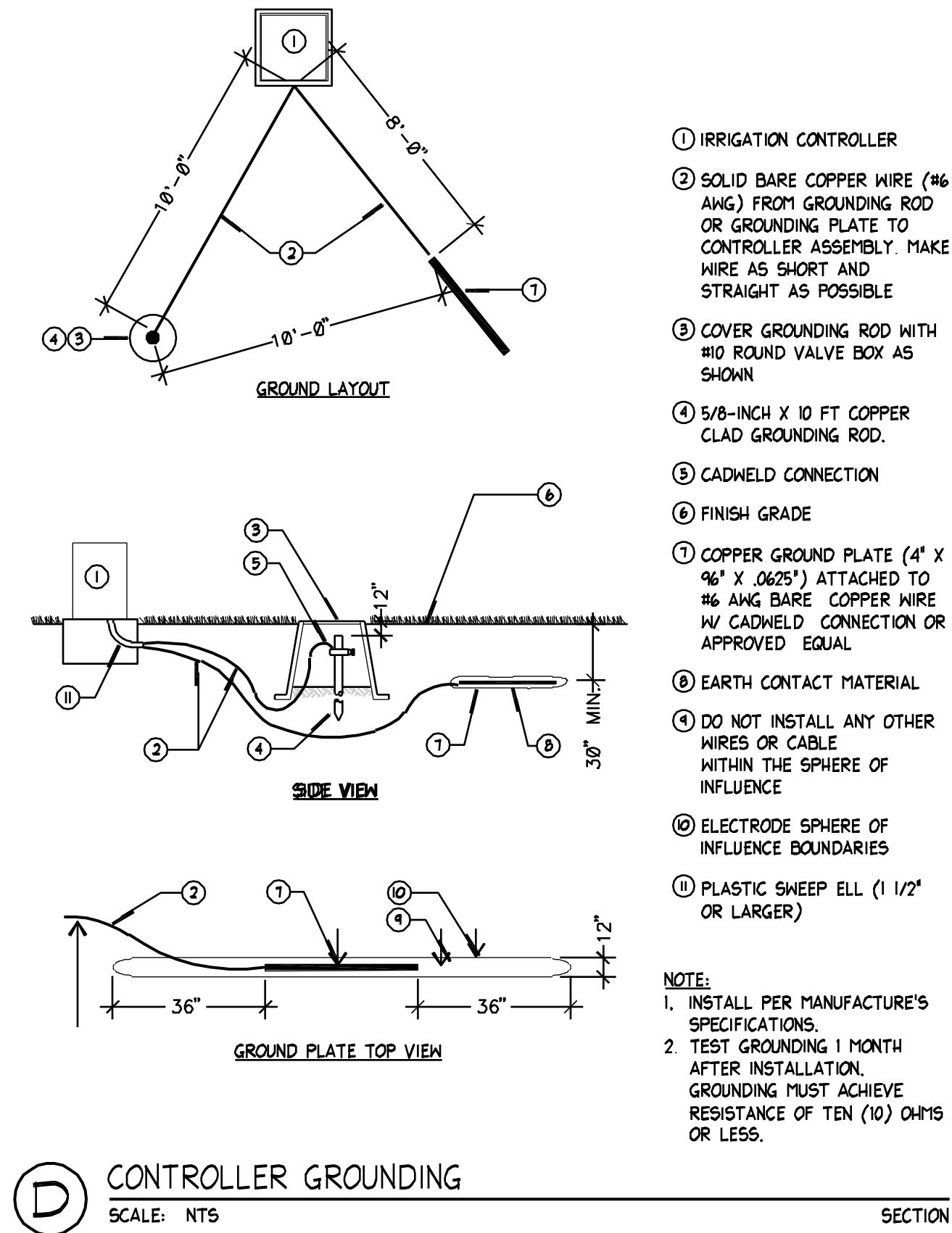
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asd project no:

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IRRIGATION
DETAILS

sheet

L-R501

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consultant:

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project
**West View
Park
Expansion**

4059 South 6000 West
West Valley City, UT

date
March 8, 2024

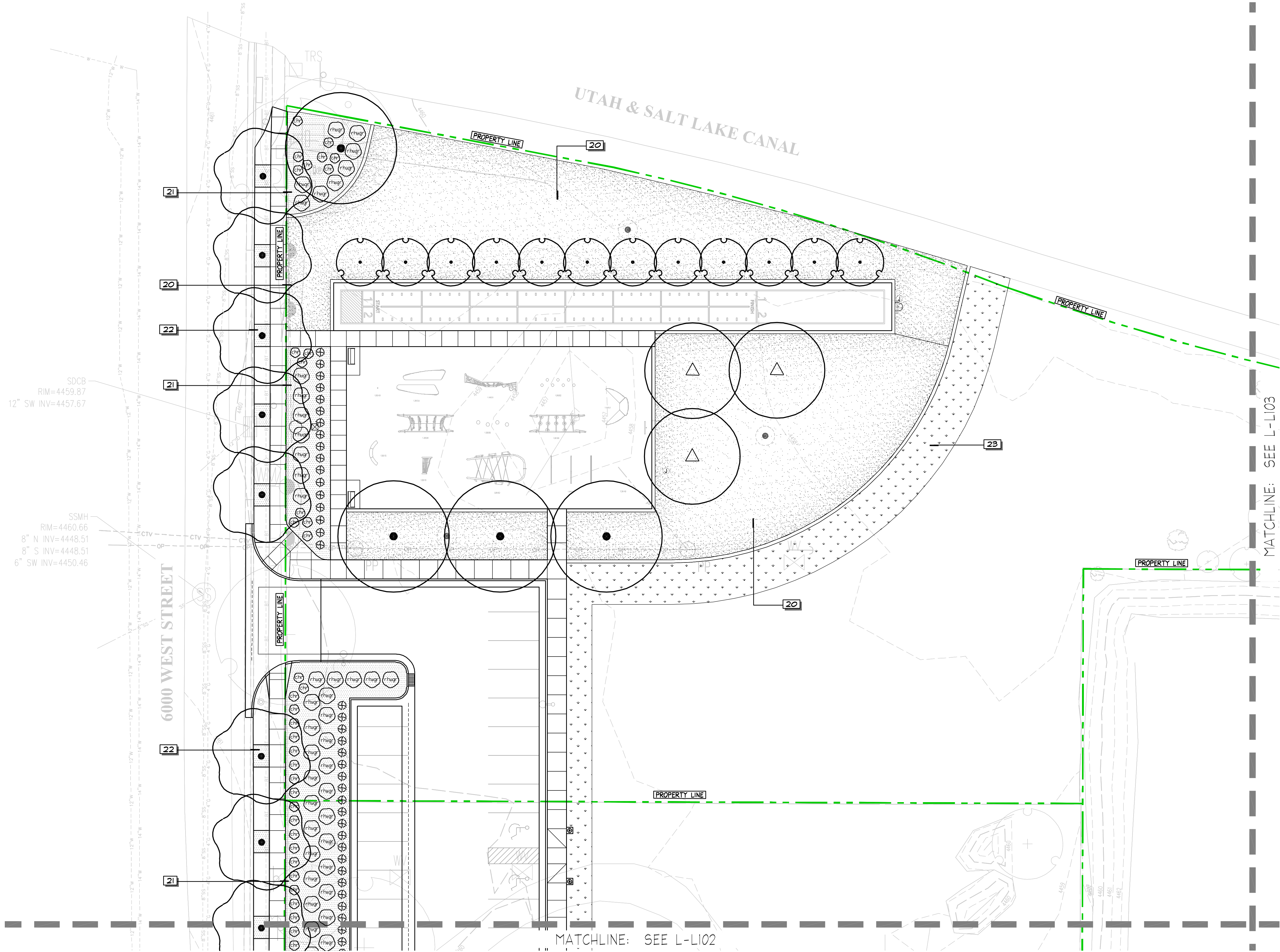
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title
**IRRIGATION
DETAILS**

sheet

L-R502



PLANTING NOTES

1.

CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING HIMSELF FAMILIAR WITH ALL UNDERGROUND UTILITIES, PIPES AND STRUCTURES. CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR ANY COSTS INCURRED DUE TO DAMAGE OF SAID UTILITIES.

2.

CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGNED WHEN IT IS OBVIOUS THAT OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNERS REP. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.

3.

CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH SUBCONTRACTORS AS REQUIRED TO ACCOMPLISH THE LANDSCAPE CONSTRUCTION FOR THIS PROJECT.

4.

ALL PLANT MATERIAL SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE UPON DELIVERY TO THE SITE, AND PRIOR TO INSTALLATION. ANY PROPOSED SUBSTITUTIONS OF PLANT SPECIES SHALL BE MADE WITH PLANTS OF EQUIVALENT OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER, LEAF, COLOR, FRUIT AND CULTURE ONLY AS APPROVED BY THE OWNER'S REPRESENTATIVE.

5.

THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON THE DRAWINGS. IF DISCREPANCIES ARISE BETWEEN ACTUAL PLANTING AREA SIZES IN THE FIELD AND THOSE SHOWN ON THE PLANS, CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE FOR RESOLUTION. FAILURE TO MAKE SUCH CONFLICTS KNOWN WILL RESULT IN CONTRACTOR'S LIABILITY FOR MATERIALS RELOCATION.

6.

FINAL LOCATIONS OF ALL PLANT MATERIALS SHALL BE SUBJECT TO APPROVAL OF THE OWNER'S REPRESENTATIVE. TREES SHALL NOT BE PLANTED LESS THAN 5'-0" FROM CURBS OR HARD SURFACE AREAS UNLESS A ROOT BARRIER IS INSTALLED.

7.

CONTRACTOR SHALL PROVIDE SOIL ANALYSIS AND AMEND SOIL AS RECOMMENDED. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR THE LAST 16 INCHES IN SHRUB BED AREAS (4 INCHES OF ROCK MULCH AND 12" OF AMENDED TOPSOIL). IF NECESSARY, DIG SUBGRADE IN SHRUB BEDS AND TURF AREAS DOWN AS SPECIFIED BEFORE PLACING AMENDED TOPSOIL. SHRUB BEDS SHALL HAVE ALL ROAD BASE REMOVED PRIOR TO PLACEMENT OF TOPSOIL. REFER TO GRADING PLAN FOR FINISH GRADE AND DRAINAGE.

REFERENCE SCHEDULE NOTES

2024-03-08 16:26

DETAIL

SYMBOL	DESCRIPTION	QTY	
20	SOD AREA TO RECEIVE 4 INCHES OF TURF GRASS TOPSOIL MIX, TYP. REFER TO SPECS.		
21	SHRUB AND TREE AREA TO RECEIVE 12 INCHES OF TOPSOIL (SHRUBS=25sf/ea., TREES=250sf/ea.) MIX, TYP. REFER TO SPECS.		
22	ROCK MULCH (SEE SPECS.) OVER WEED BARRIER FABRIC	4,559 sf	A/L-L501
23	SEED MIX AREA TO RECEIVE 3 INCHES OF TOPSOIL. REFER TO SPECS.		

PLANTING SCHEDULE

TREES	BOTANICAL / COMMON NAME	CONT.	GAL.	QTY
	Acer platanoides 'Columnare' Columnar Norway Maple	B 4 B	2"	12
	Fraxinus americana 'Autumn Purple' Autumn Purple Ash	B 4 B	2"	4
	Gleditsia Tri. inermis 'Shademaster' Shademaster Locust	B 4 B	2"	3
	Zelkova serrata 'Green Vase' Green Vase Zelkova	B 4 B	2"	12
SHRUBS	BOTANICAL NAME	SIZE		
	Calamagrostis acu. 'Karl Foerster' Foerster's Reed Grass	5 gal		41
	Chrysanthemum nauseosus Rubber Rabbitbrush	5 gal		41
	Rhus aromatica 'Gro-Low' Gro-Low Fragrant Sumac	5 gal		50
GROUND COVERS	BOTANICAL NAME	CONT.		QTY
	Seed Mix See Specs. for Seed Mix	seed		5,245 sf
	Turf-Grass	sod		12,948 sf

SCALE & NORTH ARROW

0

8

16

32

SCALE: 1" = 16'-0"

Arc Sizio
Design, Inc
Landscape Architecture &
Architectural Site Design

1058 East 2100 South
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consultant:

BID SET

project
West View
Park
Expansion

4059 South 6000 West
West Valley City, UT

date
March 8, 2024

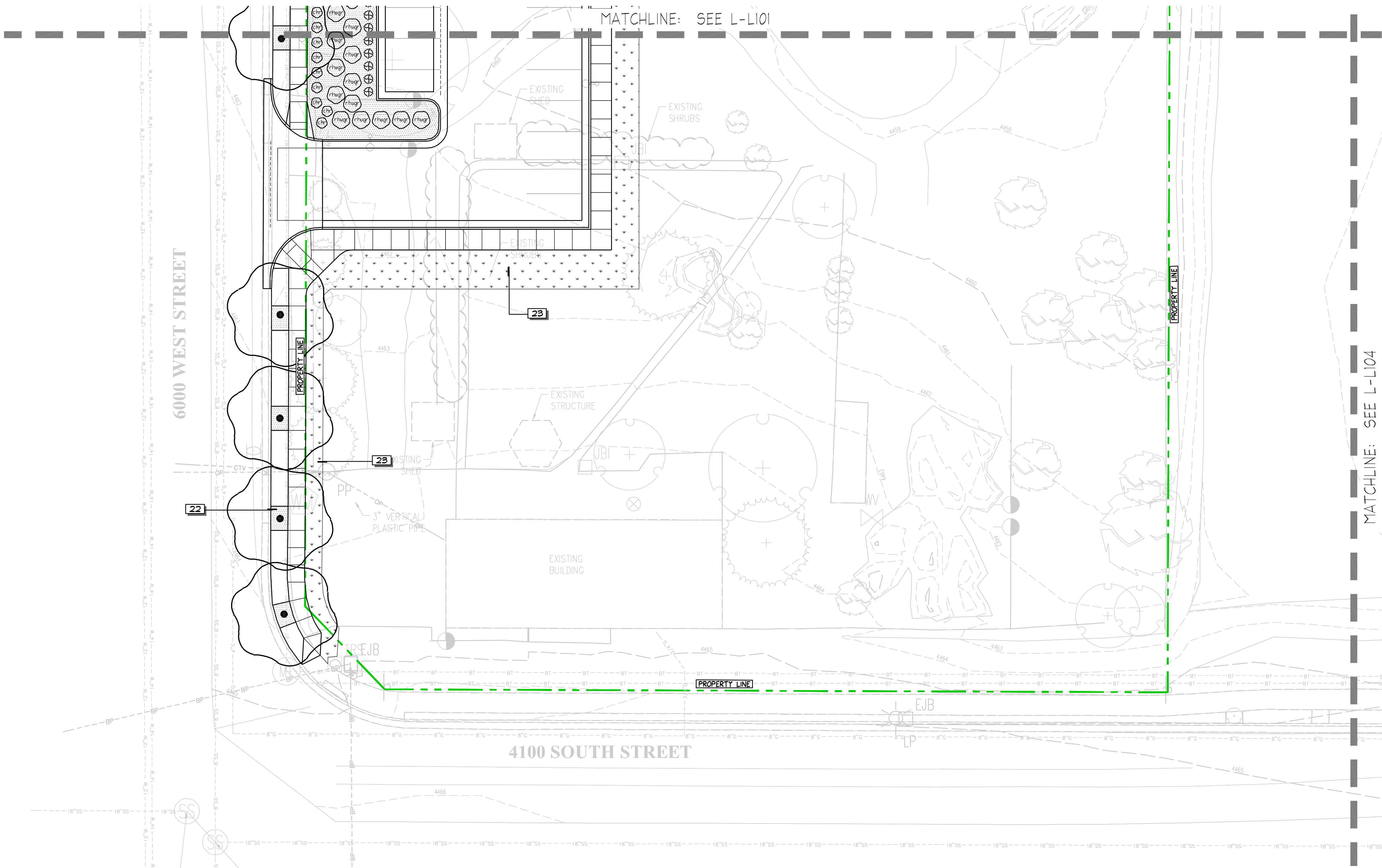
revisions

data
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LANDSCAPE
PLAN

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L-L101



PLANTING NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING HIMSELF FAMILIAR WITH ALL UNDERGROUND UTILITIES, PIPES AND STRUCTURES. CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR ANY COSTS INCURRED DUE TO DAMAGE OF SAID UTILITIES.
- CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGNED WHEN IT IS OBVIOUS THAT OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER'S REP. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH SUBCONTRACTORS AS REQUIRED TO ACCOMPLISH THE LANDSCAPE CONSTRUCTION FOR THIS PROJECT.
- ALL PLANT MATERIAL SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE UPON DELIVERY TO THE SITE, AND PRIOR TO INSTALLATION. ANY PROPOSED SUBSTITUTIONS OF PLANT SPECIES SHALL BE MADE WITH PLANTS OF EQUIVALENT OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER, LEAF, COLOR, FRUIT AND CULTURE ONLY AS APPROVED BY THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON THE DRAWINGS. IF DISCREPANCIES ARISE BETWEEN ACTUAL PLANTING AREA SIZES IN THE FIELD AND THOSE SHOWN ON THE PLANS, CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE FOR RESOLUTION. FAILURE TO MAKE SUCH CONFLICTS KNOWN WILL RESULT IN CONTRACTOR'S LIABILITY FOR MATERIALS RELOCATION.
- FINAL LOCATIONS OF ALL PLANT MATERIALS SHALL BE SUBJECT TO APPROVAL OF THE OWNER'S REPRESENTATIVE. TREES SHALL NOT BE PLANTED LESS THAN 5'-0\"/>
- CONTRACTOR SHALL PROVIDE SOIL ANALYSIS AND AMEND SOIL AS RECOMMENDED. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR THE LAST 16 INCHES IN SHRUB BED AREAS (4 INCHES OF ROCK MULCH AND 12\"/>

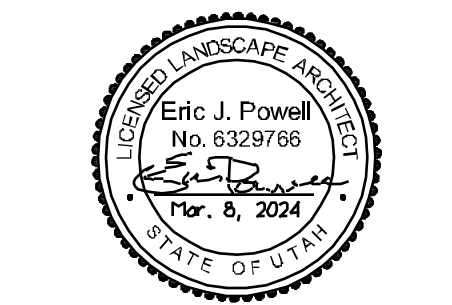
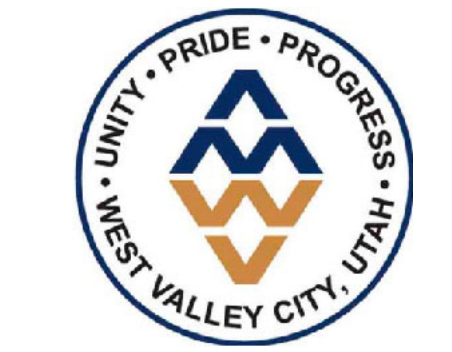
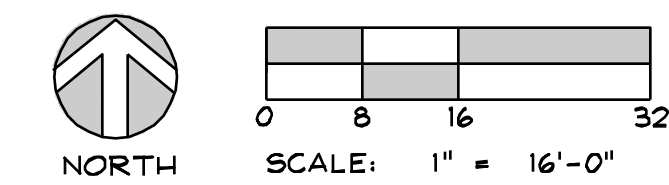
REFERENCE SCHEDULE NOTES

SYMBOL	DESCRIPTION	QTY	2024-03-08 16:26 DETAIL
20	SOD AREA TO RECEIVE 4 INCHES OF TURF GRASS TOPSOIL MIX, TYP.- REFER TO SPECS.		
21	SHRUB AND TREE AREA TO RECEIVE 12 INCHES OF TOPSOIL (SHRUBS=25sf/ea., TREES=250sf/ea.) MIX, TYP. REFER TO SPECS.		
22	ROCK MULCH (SEE SPECS.) OVER WEED BARRIER FABRIC	4,554 sf	A/L-L101
23	SEED MIX AREA TO RECEIVE 3 INCHES OF TOPSOIL. REFER TO SPECS.		

PLANTING SCHEDULE

TREES	BOTANICAL / COMMON NAME	CONT	GAL	QTY
	Acer platanoides 'Columnare' Columnar Norway Maple	B & B	2"	12
	Fraxinus americana 'Autumn Purple' Autumn Purple Ash	B & B	2"	4
	Gleditsia Tri. inermis 'Shademaster' Shademaster Locust	B & B	2"	3
	Zelkova serrata 'Green Vase' Green Vase Zelkova	B & B	2"	12
SHRUBS	BOTANICAL NAME	SIZE		
	Calamagrostis acu. 'Karl Foerster' Foerster's Reed Grass	5 gal		41
	Chrysanthemum nauseosus Rubber Rabbitbrush	5 gal		41
	Rhus aromatica 'Gro-Low' Gro-Low Fragrant Sumac	5 gal		50
GROUND COVERS	BOTANICAL NAME	CONT		QTY
	Seed Mix See Specs. for Seed Mix	seed		5,245 sf
	Turf-Grass	sod		12,948 sf

SCALE & NORTH ARROW



consultant:

BID SET

project
**West View
Park
Expansion**

4059 South 6000 West
West Valley City, UT

date
March 8, 2024

revisions

data
asd project no:

title
**LANDSCAPE
PLAN**

sheet

L-L102

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PLANTING NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING HIMSELF FAMILIAR WITH ALL UNDERGROUND UTILITIES, PIPES AND STRUCTURES. CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR ANY COSTS INCURRED DUE TO DAMAGE OF SAID UTILITIES.
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- FINAL LOCATIONS OF ALL PLANT MATERIALS SHALL BE SUBJECT TO APPROVAL OF THE OWNER'S REPRESENTATIVE. TREES SHALL NOT BE PLANTED LESS THAN 5'-0" FROM CURBS OR HARD SURFACE AREAS UNLESS A ROOT BARRIER IS INSTALLED.
- CONTRACTOR SHALL PROVIDE SOIL ANALYSIS AND AMEND SOIL AS RECOMMENDED. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR THE LAST 16 INCHES IN SHRUB BED AREAS (4 INCHES OF ROCK MULCH AND 12" OF AMENDED TOPSOIL). IF NECESSARY, DIG SUBGRADE IN SHRUB BEDS AND TURF AREAS DOWN AS SPECIFIED BEFORE PLACING AMENDED TOPSOIL. SHRUB BEDS SHALL HAVE ALL ROAD BASE REMOVED PRIOR TO PLACEMENT OF TOPSOIL. REFER TO GRADING PLAN FOR FINISH GRADE AND DRAINAGE.

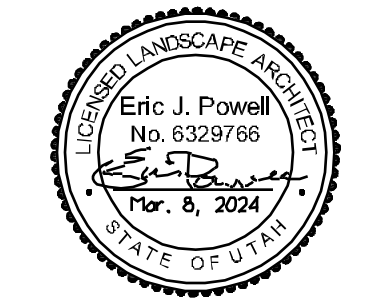
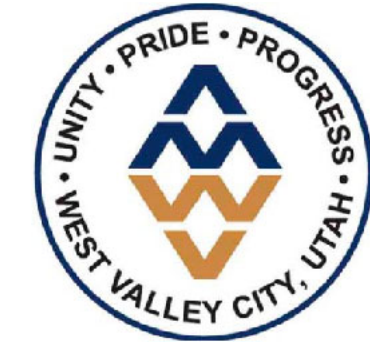
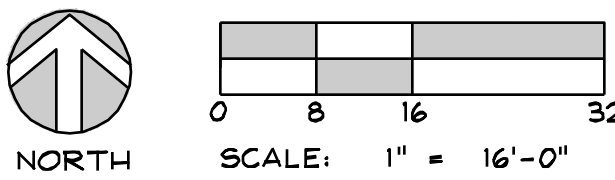
REFERENCE SCHEDULE NOTES

SYMBOL	DESCRIPTION	QTY	2024-03-08 16:26 DETAIL
[20]	SOD AREA TO RECEIVE 4 INCHES OF TURF GRASS TOPSOIL MIX, TYP.- REFER TO SPECS.		
[21]	SHRUB AND TREE AREA TO RECEIVE 12 INCHES OF TOPSOIL (SHRUBS=25sf/ea., TREES=250sf/ea.) MIX, TYP. REFER TO SPECS.		
[22]	ROCK MULCH (SEE SPECS.) OVER WEED BARRIER FABRIC	4,584 sf	A/L-L101
[23]	SEED MIX AREA TO RECEIVE 3 INCHES OF TOPSOIL. REFER TO SPECS.		

PLANTING SCHEDULE

TREES	BOTANICAL / COMMON NAME	CONT	GAL	QTY
[Symbol]	Acer platanoides 'Columnare' Columnar Norway Maple	B 4 B	2"	12
[Symbol]	Fraxinus americana 'Autumn Purple' Autumn Purple Ash	B 4 B	2"	4
[Symbol]	Gleditsia tri. inermis 'Shademaster' Shademaster Locust	B 4 B	2"	3
[Symbol]	Zelkova serrata 'Green Vase' Green Vase Zelkova	B 4 B	2"	12
SHRUBS	BOTANICAL NAME	SIZE		
[Symbol]	Calamagrostis acv. 'Karl Foerster' Foerster's Reed Grass	5 gal		41
[Symbol]	Chrysanthemum nauseosus Rubber Rabbitbrush	5 gal		41
[Symbol]	Rhus aromatica 'Gro-Low' Gro-Low Fragrant Sumac	5 gal		50
GROUND COVERS	BOTANICAL NAME	CONT		QTY
[Symbol]	Seed Mix See Specs. for Seed Mix	seed		5,245 sf
[Symbol]	Turf-Grass	sod		12,948 sf

SCALE & NORTH ARROW



consultant:

BID SET

project
West View
Park
Expansion

4059 South 6000 West
West Valley City, UT

date
March 8, 2024

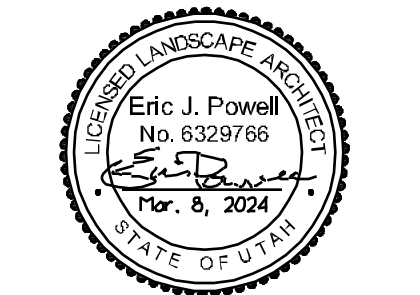
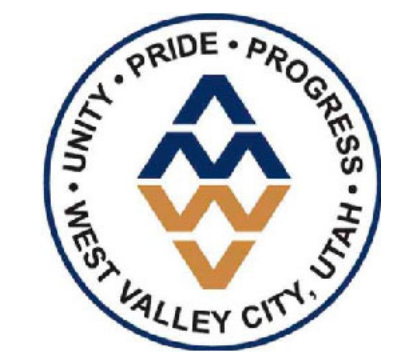
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LANDSCAPE
PLAN

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L-L103



consultant:

BID SET

project
West View
Park
Expansion

4059 South 6000 West
West Valley City, UT

date March 8, 2024

revisions

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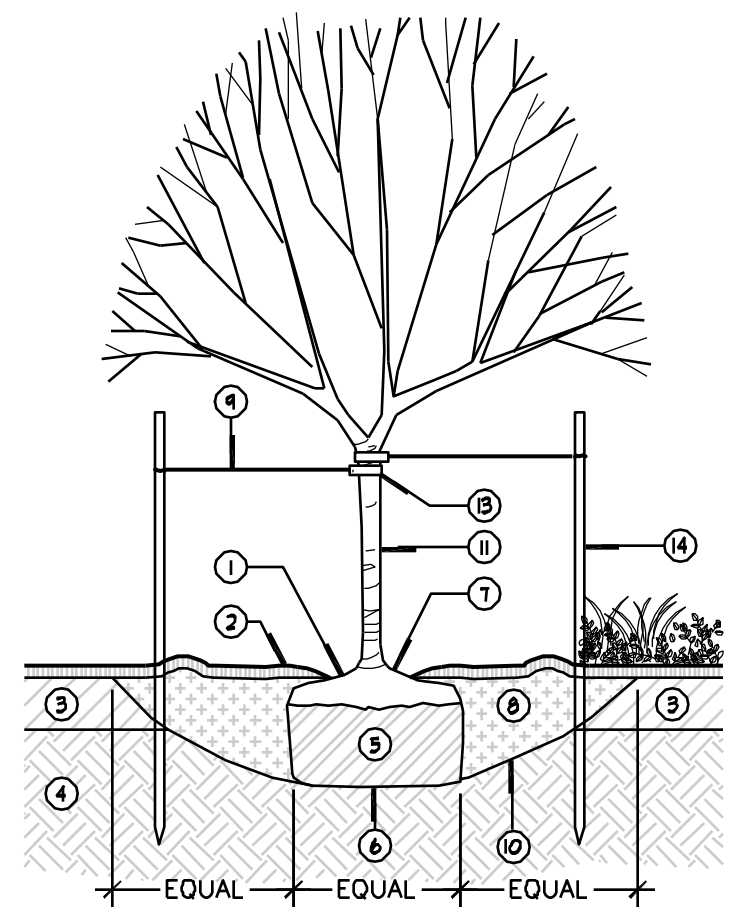
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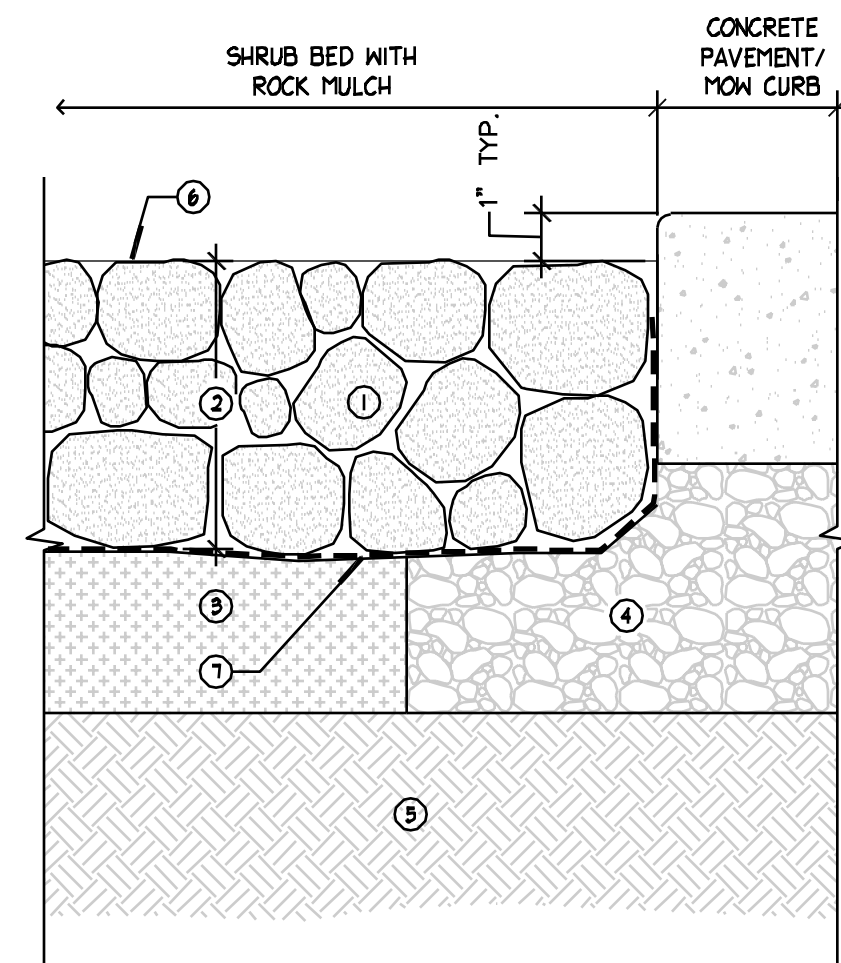
NOTES:

1. PRUNE DEAD, DISEASED, DAMAGED, OR RUBBING BRANCHES AT PLANTING TIME. DO NOT PRUNE LEADER.
2. REMOVE ALL LABELS, WIRES, ETC. FROM THE TREE'S STEM.
3. PLANT TREE PLUMB.
4. FOR TREES LOCATED IN ROCK MULCH AREAS: USE TYPE-2 ROCK MULCH WITHIN DRIP LINE, SEE SPECS.



E DECIDUOUS TREE WITH STAKING
SCALE: 1/4" = 1'-0"

- 1 MULCH 1" TO 2" BACK FROM TRUNK
- 2 MULCH OVER WEED BARRIER - SEE SPECS.
- 3 AMENDED TOPSOIL - SEE SPECS.
- 4 UNDISTURBED SUBGRADE
- 5 CUT AND REMOVE WIRE BASKET ENTIRELY. CUT AND REMOVE BURLAP, ROPE OR STRING FROM AROUND THE TRUNK AND TOP 1/2 OF THE ROOT BALL
- 6 SET ROOTBALL ON UNDISTURBED SUBGRADE
- 7 TRUNK FLAIR- SET 1" TO 2" ABOVE FINISH GRADE
- 8 MAKE THE HOLE WIDE, AS MUCH AS THREE TIMES THE DIAMETER OF THE ROOT BALL, BUT ONLY AS DEEP AS THE ROOT BALL. BACKFILL WITH 1/2 TOPSOIL BORROW FROM PIT AND 1/2 AMENDED TOPSOIL - SEE SPECS.
- 9 DOUBLE STRAND PLIABLE NO 10-GAUGE GALVANIZED STEEL WIRE OR VINYL-COATED STEEL WIRE, DO NOT PULL TIGHT
- 10 ROUGHEN SIDES PRIOR TO BACKFILLING. SETTLE W/ WATER IN 12" LIFTS
- 11 IF PLANTED IN LATE FALL, WRAP TRUNK, STARTING AT THE BOTTOM TO THE FIRST SET OF BRANCHES. REMOVE THE WRAP SPRING, AFTER THE LAST FROST. ONLY WRAP IF SUN HITS ITS TRUNK IN WINTER.
- 12 EDGE OF WALK OR CURB
- 13 3" OR WIDER NYLON WEBBING W/ METAL GROUPETS
- 14 6'-0" X 2" DIA. ROUND WOOD STAKES, TWO PER TREE (THE STAKES SHALL BE PLUMB AND SET AT THE SAME HEIGHT)



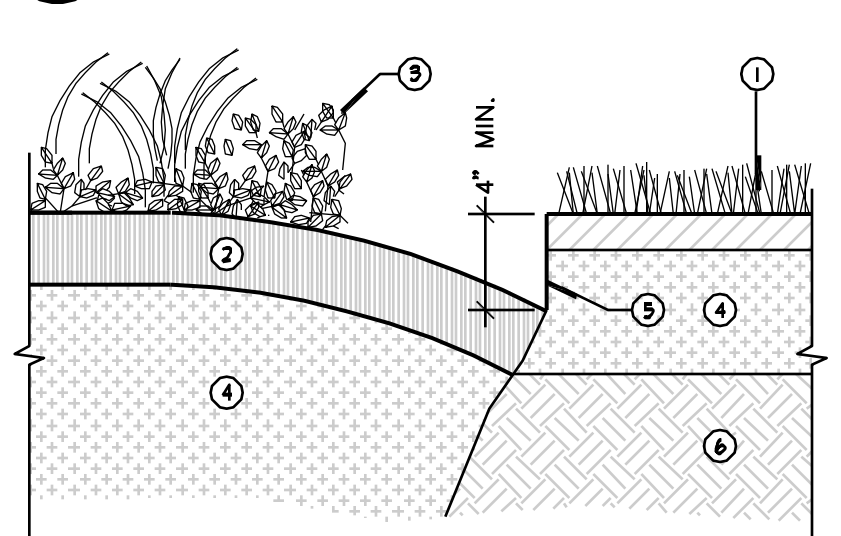
A ROCK MULCH IN SHRUB BEDS
SCALE: 3" = 1'-0"

- 1 MULCH 1" TO 2" BACK FROM TRUNK
- 2 MULCH OVER WEED BARRIER FABRIC - SEE SPECS.
- 3 AMENDED TOPSOIL - SEE SPECS.
- 4 UNDISTURBED SUBGRADE
- 5 IF THE SHRUB IS BALLED AND BURLAPPED (OR CONTAINED IN A WIRE BASKET), CUT AND REMOVE THE ROPE, STRING, WIRE, AND/OR WIRE BASKET FROM AROUND THE TRUNK AND TOP 1/3 OF THE ROOT BALL
- 6 SET ROOTBALL ON UNDISTURBED SUBGRADE
- 7 TRUNK FLAIR- SET 1" TO 2" ABOVE FINISH GRADE
- 8 MAKE THE HOLE WIDE, AS MUCH AS THREE TIMES THE DIAMETER OF THE ROOT BALL, BUT ONLY AS DEEP AS THE ROOT BALL. BACKFILL WITH 1/2 TOPSOIL BORROW FROM PIT AND 1/2 AMENDED TOPSOIL - SEE SPECS.
- 9 ROUGHEN SIDES PRIOR TO BACKFILLING. SETTLE W/ WATER IN 12" LIFTS
- 10 FORM WELL AT EACH PLANT USING TOPSOIL

NOTES:

1. PLANT SHRUB PLUMB.
2. PRUNE DEAD, DISEASED, DAMAGED, OR RUBBING BRANCHES AT PLANTING TIME. DO NOT PRUNE LEADER.
3. REMOVE ALL LABELS, WIRES, ETC. FROM SHRUB.

B SHRUB
SCALE: 1/4" = 1'-0"



C SHOVEL TURF EDGE
SCALE: 1 1/2" = 1'-0"

- 1 TURF
- 2 MULCH AS SPECIFIED
- 3 SHRUB BED
- 4 AMENDED TOPSOIL
- 5 SHOVEL EDGE
- 6 SUBGRADE

D TREE IN TURF
SCALE: 1/2" = 1'-0"

- 1 TURF EDGE
- 2 TREE TRUNK
- 3 ROOTBALL
- 4 STAKING SYSTEM- LOCATE STAKES WITHIN THE TURF EDGE
- 5 MULCH AS SPECIFIED
- 6 REMOVE SOD AT DRIFLINE OF TREE- MIN. WIDTH OF 3'-0" DIA.