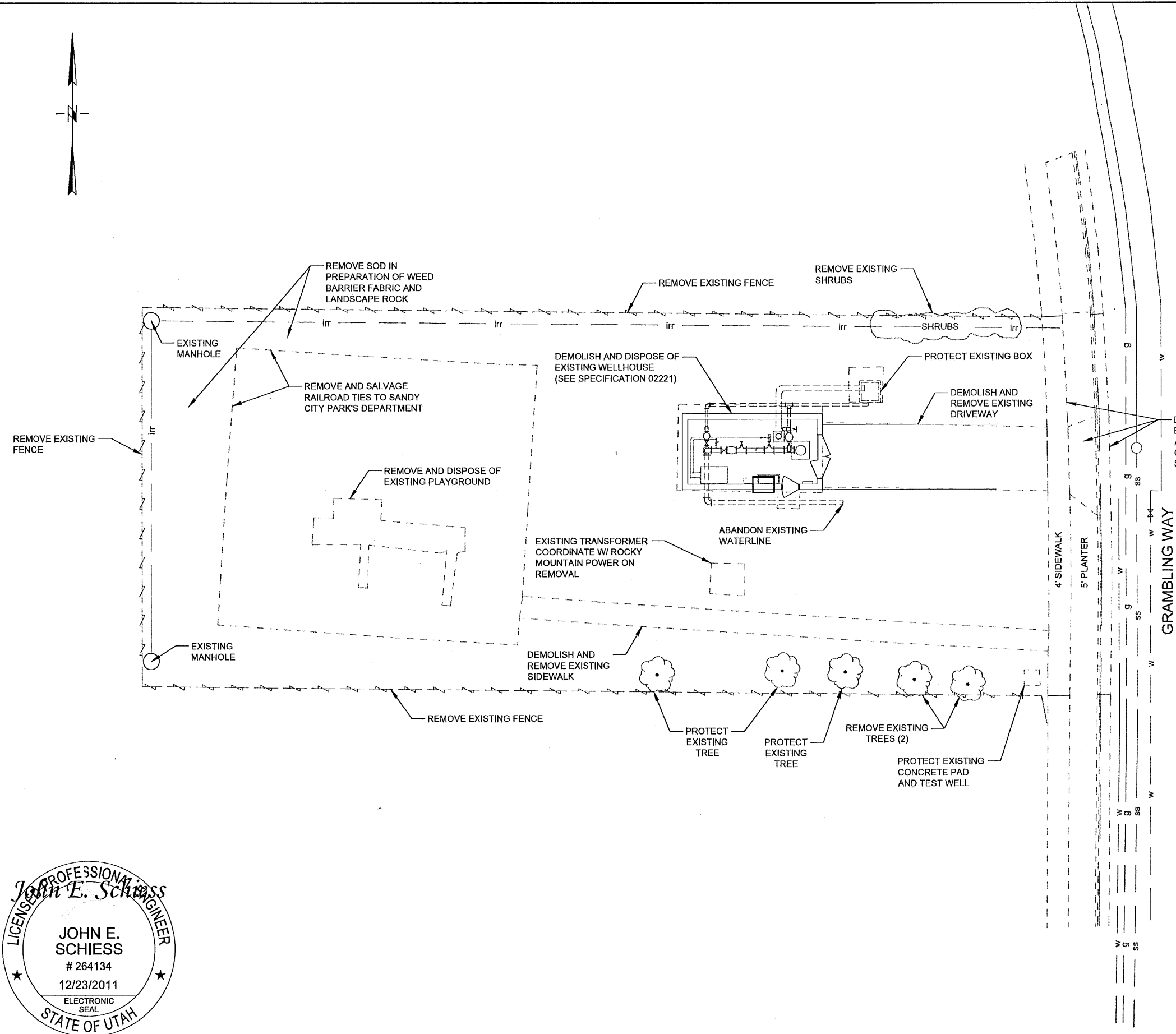
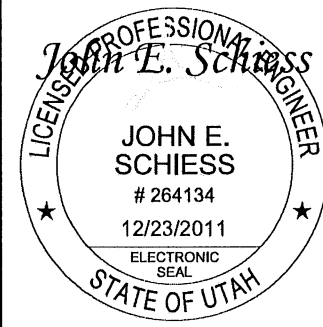


NOTES:

1. DUST, MUD AND EROSION SHALL BE CONTROLLED BY WHATEVER MEANS NECESSARY, AND THE ROADWAY SHALL BE KEPT FREE OF MUD AND DEBRIS, AT ALL TIMES. CONTRACTOR TO FOLLOW SANDY CITY STORM WATER ORDINANCE WHICH CAN BE FOUND ON THE INTERNET AT: <http://sandy.utah.gov/government/public-utilities/storm-water.html>
2. SURFACE REPAIR SHALL MATCH EXIST TYPE AND QUALITY OR BETTER.
3. ALL PUBLIC IMPROVEMENTS WITHIN SANDY CITY'S JURISDICTION SHALL BE CONSTRUCTED ACCORDING TO THE SANDY CITY STANDARD SPECIFICATIONS AND DETAILS FOR MUNICIPAL CONSTRUCTION (LATEST EDITION). A COPY MAY BE OBTAINED AT SANDY CITY PUBLIC WORKS 8775 SOUTH 700 WEST OR ON THE INTERNET AT: <http://sandy.utah.gov/government/public-works/standard-specifications.htm>
4. PRESERVE AND PROTECT OR REPLACE ALL EXISTING FACILITIES, LANDSCAPING & IRRIGATION.
5. SALVAGE ALL WELLHOUSE PIPING AND FITTINGS TO SANDY CITY SHOP.
6. SALVAGE SCADA EQUIPMENT TO SCADA SUBCONTRACTOR FOR REUSE.
7. DISPOSE OF ALL ELECTRICAL WIRING AND COMPONENTS.
8. SALVAGE PUMP, MOTOR, AND COLUMN PER SPEC AS A CREDIT TO SANDY CITY. EQUIPMENT PREVIOUSLY REMOVED FROM WELL AND LOCATED AT CITY SHOPS.



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REV	DATE	BY	DESCRIPTION
REVISIONS			

SCALE	HORIZONTAL	VERTICAL
1" = 20'	N/A	N/A

WARNING
 0 1/2 1
 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE



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 (801) 763-5100

SANDY CITY - NEW SEVERSON WELLHOUSE
DEMOLITION AND REMOVAL PLAN

DESIGNED	DATE	PROJECT NO.
DPB	10/2011	PG-031-1107
DRAWN	DATE	SHEET NO.
SAS	10/2011	8 of 45
CHECKED	DATE	DRAWING NO.
JES	12/2011	S1

NOTES:

1. DUST, MUD AND EROSION SHALL BE CONTROLLED BY WHATEVER MEANS NECESSARY, AND THE ROADWAY SHALL BE KEPT FREE OF MUD AND DEBRIS, AT ALL TIMES. CONTRACTOR TO FOLLOW SANDY CITY STORM WATER ORDINANCE WHICH CAN BE FOUND ON THE INTERNET AT:
<http://sandy.utah.gov/government/public-utilities/storm-water.html>
2. SURFACE REPAIR SHALL MATCH EXIST TYPE AND QUALITY OR BETTER.
3. ALL PUBLIC IMPROVEMENTS WITHIN SANDY CITY'S JURISDICTION SHALL BE CONSTRUCTED ACCORDING TO THE SANDY CITY STANDARD SPECIFICATIONS AND DETAILS FOR MUNICIPAL CONSTRUCTION (LATEST EDITION). A COPY MAY BE OBTAINED AT SANDY CITY PUBLIC WORKS 8775 SOUTH 700 WEST OR ON THE INTERNET AT:
<http://sandy.utah.gov/government/public-works/standard-specifications.htm>
4. PRESERVE AND PROTECT OR REPLACE ALL EXISTING FACILITIES, LANDSCAPING & IRRIGATION.
5. IMPACT FEE OF \$2,140.00 PAYABLE BY CONTRACTOR TO MIDVALLEY IMPROVEMENT DISTRICT
6. CONTRACTOR IS RESPONSIBLE FOR OBTAINING BUILDING PERMIT FROM SANDY CITY.

**ON SITE IMPROVEMENTS
(BUILDING IN SANDY CITY)**

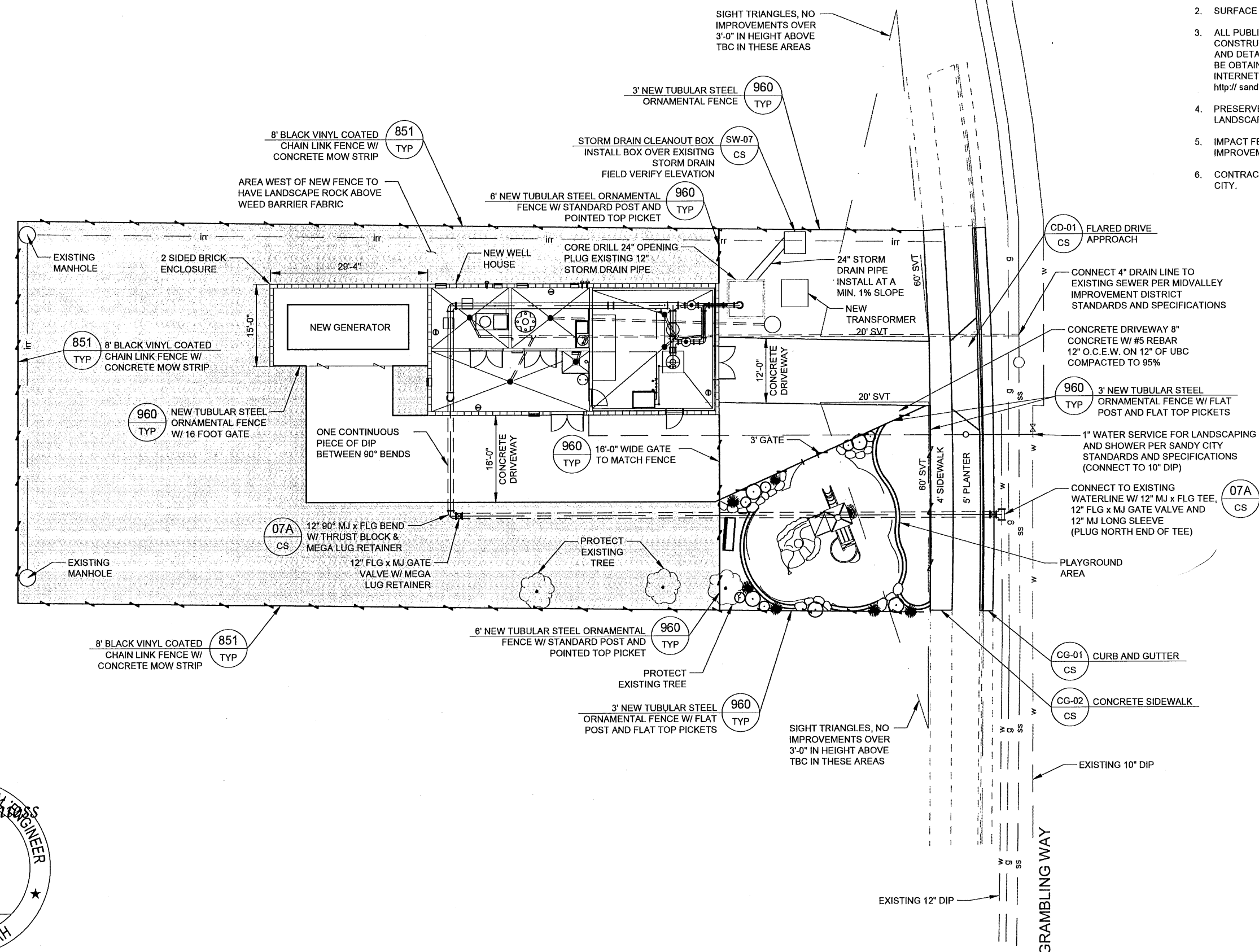
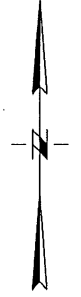
BUILDING (NEW)
CONCRETE DRIVEWAY (NEW)

OFF SITE IMPROVEMENTS

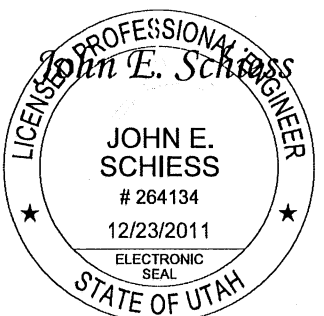
NONE

LEGAL DESCRIPTION

Lot 33, Enchanted Meadows Subdivision.



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SCALE	
HORIZONTAL	1" = 20'
VERTICAL	N/A

WARNING
0 1/2 1
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SANDY CITY - NEW SEVERSON WELLHOUSE
SITE PLAN

DESIGNED	DATE	PROJECT NO.
DPB	10/2011	PG-031-1107
DRAWN	DATE	SHEET NO.
SAS	10/2011	9 of 45
CHECKED	DATE	DRAWING NO.
JES	12/2011	S2

PLANTING NOTES:

1. A. THE PLANTING IS DIAGRAMMATIC. ALL PLANT LOCATIONS ARE APPROXIMATE. PLANT SYMBOLS TAKE PRECEDENCE OVER PLANT QUANTITIES SPECIFIED.
B. QUANTITIES SHOWN ON THE PLANTING PLAN ARE APPROXIMATE AND ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY.
C. CONTRACTOR SHALL NOTIFY THE CITY LANDSCAPE ARCHITECT OF DISCREPANCIES BETWEEN QUANTITIES AND SYMBOLS SHOWN.
2. LANDSCAPE CONTRACTOR SHALL APPLY A CONTACT HERBICIDE, WHERE WEEDS ARE PRESENT, PER MANUFACTURERS SPECIFICATIONS A MINIMUM OF TEN (10) DAYS PRIOR TO COMMENCEMENT OF ANY PLANTING OR IRRIGATION WORK. WEEDS SHALL BE ALLOWED TO COMPLETELY DIE BACK, INCLUDING THE ROOTS, BEFORE SOIL AMENDING AND PLANTING COMMENCES.
3. REMOVE NURSERY STAKES AND TIES FROM ALL CONTAINER STOCK.
4. INSTALL 4" LAYER OF BARK MULCH AROUND WATERING BASINS AND THROUGHOUT ALL PLANTING AREAS
5. ALL PLANT MATERIAL SHALL BE APPROVED AT THE PROJECT SITE BY THE CITY PRIOR TO PLANTING. ALL PLANT MATERIAL REJECTED BY THE CITY SHALL BE REMOVED FROM THE PROJECT SITE AT NO ADDITIONAL COST. THE CONTRACTOR IS RESPONSIBLE FOR HAVING ALL PLANT MATERIAL AT THE PROJECT SITE FOR INSPECTION AT ONE TIME
6. ALL PLANTING AND TOPSOIL, CONTRACTOR SUPPLIED OR EXISTING SHALL MEET THE CITY SPEC, DIVISION 07800.
7. REFER TO SANDY CITY STD. SPEC, DIVISION 07800 FOR VEGETATION ESTABLISHMENT PERIOD.
8. REFER TO SANDY CITY STD. SPEC, DIVISION 7 FOR ADDITIONAL LANDSCAPE SPECIFICATIONS.

GRADING NOTES:

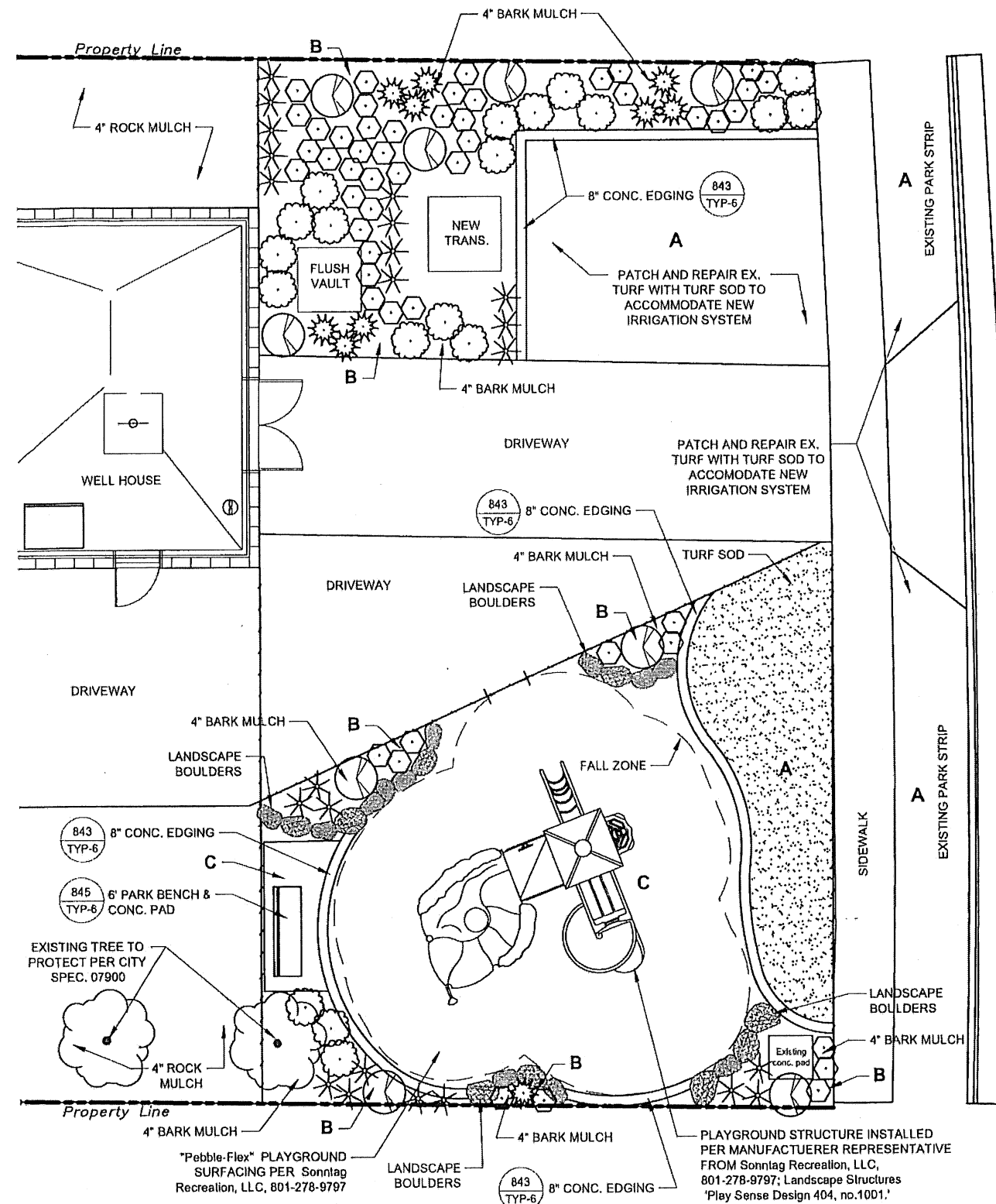
1. ALL NEW CONC. EDGING SHALL BE FLUSH WITH SIDEWALKS AND NEW DRIVEWAY. AT SOUTH PROPERTY LINE, EDGING SHALL MEET EXISTING GRADES SO AS NOT TO HAVE A RAISED OR BELOW-GRADE CONDITION.
2. PLAY AREA SHALL BE GRADED RELATIVELY FLAT FOLLOWING NATURAL GRADE FROM THE EDGE OF NEW DRIVEWAY AND FALLING AT <2% SLOPE TO MEET GRADE AT THE SOUTH PROPERTY LINE.
3. ALL PLANTING AREAS SHALL BE GRADED AT 2% AWAY FROM THE PROPERTY LINES WITH NO LOW SPOTS.
4. ALL TURF AREAS SHALL BE GRADED AT 2% TOWARDS THE SIDEWALK.
5. NO GRADING SHALL OCCUR WITHIN THE DRIP LINES OF EXISTING TREES OR SHRUBS. SEE CITY SPEC, DIVISION 07800 FOR TREE/SHRUB PROTECTION.
6. PLAYGROUND SURFACING TO BE INSTALLED FLUSH WITH DRIVEWAY AND CONC. EDGING.
7. CONTRACTOR SHALL NOTIFY CITY OF ANY DISCREPANCIES WITH GRADING AS THEY RELATE TO EXISTING CONDITIONS.

LANDSCAPE ZONES:

- A TURF ZONE
- B PLANTING ZONE
- C PLAYGROUND ZONE

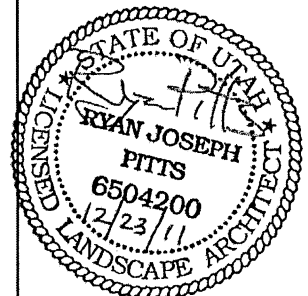
PLANTING LEGEND

QTY.	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
SHRUBS SEE CITY STD. SPEC, DIVISION 07500 SEE CITY STD. DETAIL LA-62					
9		<i>Cornus sericea 'Kelsey'</i>	Kelsey Dwarf Dogwood	5 gal.	per plan
19		<i>Rosa 'Meicoublan'</i>	White Mejdland Rose	5 gal.	per plan
PERENNIALS SEE CITY STD. SPEC, DIVISION 07500 SEE CITY STD. DETAIL LA-62					
23		<i>Calamagrostis acutiflora 'Karl Forester'</i>	Feather Reed Grass	1 gal.	30" o.c.
10		<i>Pennisetum alopecuroides 'Moundry'</i>	Moundry Dwarf Fountain Grass	1 gal.	24" o.c.
51		<i>Salvia officinalis 'Tricolor'</i>	Tricolor Sage	1 gal.	24" o.c.
TURF SEE CITY SPEC DIVISION 07400					
		Turf Sod-Tall Fescue Mix or approved equivalent			
GENERAL NOTES					
		Decorative landscape boulders 18"-36" mixed sizing. Bury a min. of 1/3 the height of the boulder below finish grade. Submit samples to City Landscape Architect prior to ordering for approval.			
		NOTE: Decorative rock mulch 3/4"-1" to be placed per plan; Submit three samples to City Landscape Architect prior to ordering for approval.			
		NOTE: All Landscaped areas shall have decorative shredded fir bark mulch with min. 4" depth. Submit min. three samples to City Landscape Architect prior to ordering for approval.			
		NOTE: All Landscaped areas shall use stripped and stockpiled topsoil from site and amended with organic material and fertilized per City std. spec division 07800.			
		NOTE: All bark and rock mulch areas to have DeWitt Pro-5 (or approved equal) weed barrier placed underneath per manufacturers spec.			



Grambing Way

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REV	DATE	BY	DESCRIPTION

SCALE	HORIZONTAL	1" = 10'
	VERTICAL	N/A

WARNING

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HORROCKS ENGINEERS

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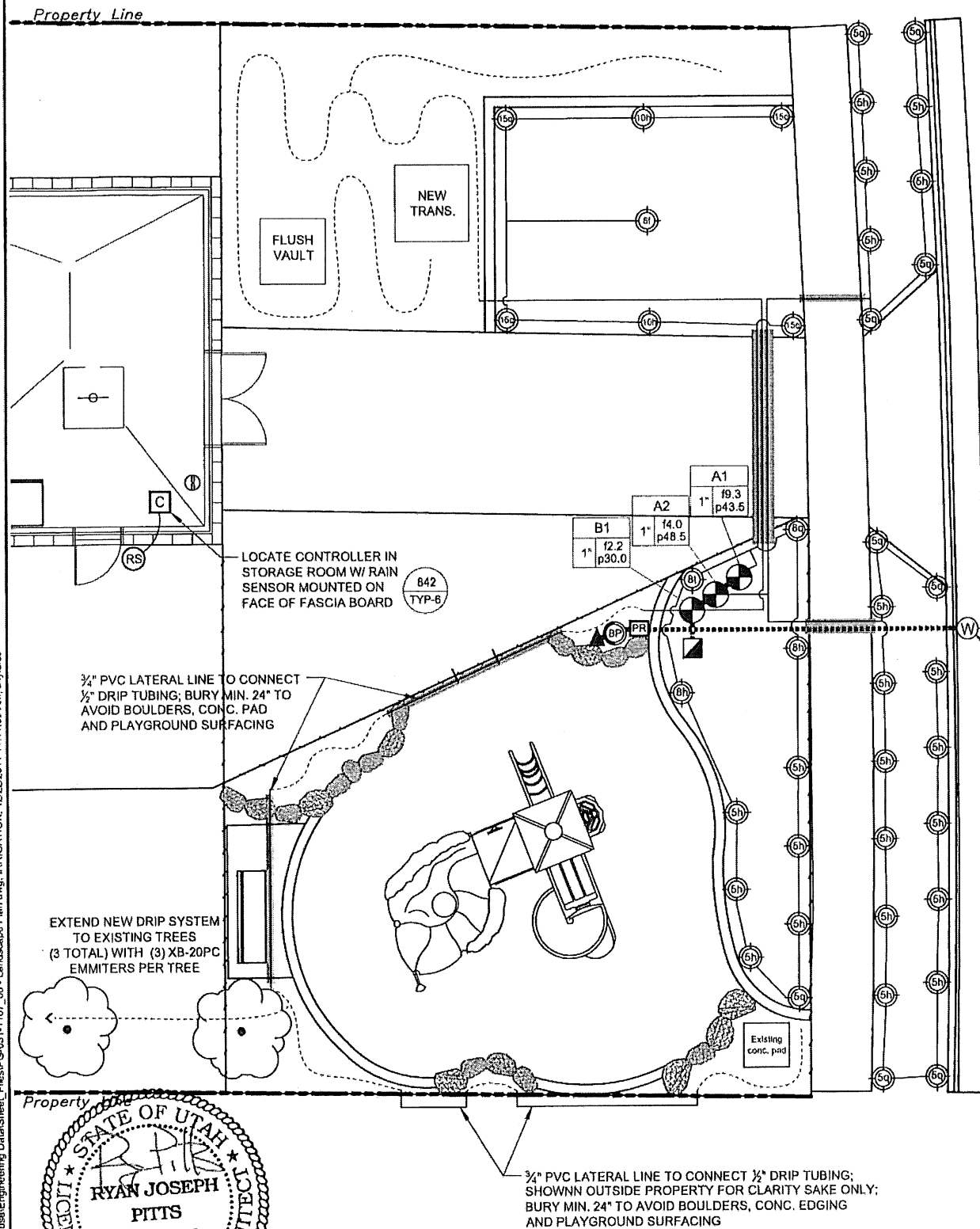
SANDY CITY - NEW SEVERSON WELLHOUSE

LANDSCAPE PLAN

DESIGNED	DATE	PROJECT NO
BLW	11/2011	PG-031-1107
DRAWN	DATE	SHEET NO
BLW	11/2011	10 OF 45
CHECKED	DATE	DRAWING NO
RP	12/2011	S3

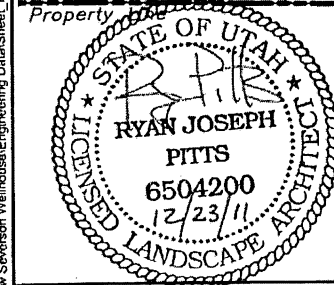
IRRIGATION NOTES:

- VERIFY PRESSURE AT THE POINT OF CONNECTION PRIOR TO INSTALLATION OF THE IRRIGATION SYSTEM
- IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO BECOME FAMILIAR WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, RETAINING WALLS, ETC. THE CONTRACTOR SHALL COORDINATE THE WORK WITH THE GENERAL CONTRACTOR AND OTHER SUBCONTRACTORS FOR THE LOCATION AND THE INSTALLATION OF PIPE SLEEVES THROUGH WALLS, UNDER ROADWAYS, PAVING, STRUCTURES, DRIVEWAY, SIDEWALKS, PLAYGROUND SURFACING AND OTHER LANDSCAPE ELEMENTS, ETC.
- THE CONTRACTOR SHALL CAREFULLY INVESTIGATE THE STRUCTURAL AND FINISHED CONDITIONS AFFECTING ALL OF THE WORK ACCORDINGLY, FINISHING SUCH FITTINGS, ETC., AS MAY BE REQUIRED TO MEET SUCH CONDITIONS. WORK SHALL BE INSTALLED IN SUCH A MANNER AS TO AVOID CONFLICTS BETWEEN IRRIGATION SYSTEMS, PLANTING, AND ARCHITECTURAL DETAILS
- SPLICING OF 24 VOLT WIRES WILL NOT BE PERMITTED EXCEPT IN VALVE BOXES. LEAVE A 24" COIL OF EXCESS WIRE AT EACH SPLICE AND 100 FEET ON CENTER ALONG WIRE RUN TAPE WIRE BUNDLES 10 FEET ON CENTER. NO TAPING PERMITTED INSIDE SLEEVES.
- INSTALL A SPARE CONTROL WIRE OF A DIFFERENT COLOR ALONG THE ENTIRE MAIN LINE. LOOP 36" EXCESS WIRE INTO EACH SINGLE VALVE BOX AND INTO ONE VALVE BOX IN EACH GROUP OF VALVES
- NOT USED
- ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE OF THE AREA TO BE IRRIGATED
- WHERE IT IS NECESSARY TO EXCAVATE ADJACENT TO EXISTING TREES, THE CONTRACTOR SHALL USE ALL POSSIBLE CARE TO AVOID INJURY TO THE TREES, AND TREE ROOTS. EXCAVATION IN AREAS WHERE TWO (2) INCH AND LARGER ROOTS OCCUR SHALL BE DONE BY HAND SEE SANDY STD. SPEC DIVISION 07900 FOR WORK AROUND EXISTING TREES.
- INSTALL VALVE BOXES (RainBird VB-JMB OR EQUAL) 12" FROM AND PERPENDICULAR TO WALK, CURB, LAWN, BUILDING OR LANDSCAPE FEATURE. AT MULTIPLE VALVE BOX GROUP, EACH BOX SHALL BE AN EQUAL DISTANCE FROM THE WALK, CURB, LAWN, ETC. AND EACH BOX SHALL BE 12" APART. SHORT SIDE OF THE VALVE BOX SHALL BE PARALLEL TO WALK, CURB, LAWN, ETC. - SEE SANDY STANDARD DETAIL LA-10 & 11 "VALVE ASSEMBLY" & "MANIFOLD ASSEMBLY"
- PRIOR TO CUTTING INTO SOIL, LOCATE ALL CABLES, CONDUITS, SEWERS, AND OTHER UTILITIES OR ARCHITECTURAL FEATURES THAT ARE COMMONLY ENCOUNTERED UNDERGROUND AND TAKE PROPER PRECAUTIONS NOT TO DAMAGE OR DISTURB SUCH IMPROVEMENTS. ANY DAMAGE MADE DURING THE INSTALLATION OF THE IRRIGATION SYSTEM OF THE AFOREMENTIONED ITEMS SHALL BE REPAIRED AND/OR REPLACED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTORS OWN EXPENSE
- THE IRRIGATION CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS FOR HEAD TO HEAD COVERAGE WITH MINIMUM SPRAY ON BUILDINGS, ASPHALT, SIDEWALKS, ROADWAYS, ETC., AND THROTTLE FLOW CONTROL AT VALVES FOR OPTIMUM OPERATION. WHEN THROTTLING IS NOT USED TO CONTROL MISTING OR OVERSPRAY, BACK-OFF MANUAL FLOW CONTROL 1/2 TO 1 1/2 TURNS FROM POINT WHERE CLOSING AFFECTS SPRINKLER COVERAGE SEE SANDY CITY STD. SPEC DIVISION 07300, 1 04-B
- ADJUST ALL EMITTERS TO WET ENTIRE SURFACE OF SOIL. SCHEDULE TO KEEP SOIL MOIST, AND AVOID RUNOFF. DO NOT ALLOW SOIL TO DRY OUT
- MULCH: AFTER COMPLETION OF ALL PLANTING, ALL IRRIGATED NON-TURF AREAS SHALL BE COVERED WITH A MINIMUM LAYER OF FOUR (4) INCHES OF MULCH TO RETAIN WATER, INHIBIT WEED GROWTH AND MODERATE SOIL TEMPERATURE. NON-POROUS MATERIAL SHALL NOT BE PLACED UNDER THE MULCH. 4" MULCH IN ALL IRRIGATED NON-TURF AREAS. IF ROCK MULCH, MINIMUM IS 4"
- LANDSCAPE WATER METER. A WATER METER AND BACKFLOW PREVENTION ASSEMBLY THAT ARE IN COMPLIANCE WITH STATE CODE SHALL BE INSTALLED FOR LANDSCAPE IRRIGATION SYSTEMS, AND THE LANDSCAPE WATER METER AND BACKFLOW PREVENTION ASSEMBLY SHALL BE SEPARATE FROM THE WATER METER AND BACKFLOW PREVENTION ASSEMBLY INSTALLED FOR INDOOR USES. THE SIZE OF THE METER SHALL BE DETERMINED BASED ON IRRIGATION DEMAND
- PRESSURE REGULATION: A PRESSURE REGULATING VALVE SHALL BE INSTALLED. THE PRESSURE-REGULATING VALVE SHALL BE LOCATED BETWEEN THE LANDSCAPE WATER METER AND THE FIRST POINT OF WATER USE, OR FIRST POINT OF DIVISION IN THE PIPE, AND SHALL BE SET AT 50 PSI
- AUTOMATIC CONTROLLER ALL IRRIGATION SYSTEMS SHALL INCLUDE AN ELECTRIC AUTOMATIC CONTROLLER WITH MULTIPLE PROGRAM AND MULTIPLE REPEAT CYCLE CAPABILITIES AND A FLEXIBLE CALENDAR PROGRAM. ALL CONTROLLERS SHALL BE EQUIPPED WITH AN AUTOMATIC RAIN SHUT-OFF DEVICE IRRIGATION CONTRACTOR SHALL COORDINATE POWER TO THE CONTROLLER LOCATION IN THE STORAGE ROOM WITH THE ELECTRICAL CONTRACTOR
- ON SLOPES EXCEEDING 30%, THE IRRIGATION SYSTEM SHALL CONSIST OF DRIP EMITTERS, BUBBLERS, OR SPRINKLERS WITH A MAXIMUM PRECIPITATION RATE OF 0.85 INCHES PER HOUR AND ADJUSTED SPRINKLER CYCLE TO ELIMINATE RUNOFF
- EACH VALVE SHALL IRRIGATE A LANDSCAPE WITH SIMILAR SITE, SLOPE AND SOIL CONDITIONS AND PLANT MATERIALS WITH SIMILAR WATERING NEEDS. TURF AND NON-TURF AREAS SHALL BE IRRIGATED ON SEPARATE VALVES
- THREE (3) DRIP EMITTERS SHALL BE PROVIDED FOR EACH TREE AND (2) TWO DRIP EMITTERS SHALL BE PROVIDED FOR EACH SHRUB; SEE CITY STD DETAIL LA-41
- SPRINKLERS SHALL HAVE MATCHED PRECIPITATION RATE WITH EACH CONTROL VALVE CIRCUIT.
- CONTRACTOR SHALL SUBMIT AN IRRIGATION SCHEDULE THAT COVERS THE INITIAL 90-DAY PLANT ESTABLISHMENT PERIOD. THE SCHEDULE SHALL FOLLOW THE TYPICAL LONG-TERM USE SCHEDULE BELOW. SEE CITY SPEC DIVISION 07100-3.05.
- DRIP IRRIGATION LINES SHALL BE PLACED ON TOP OF WEED BARRIER AND BURIED UNDER ROCK OR BARK MULCH AND PERMANENTLY COVERED, EXCEPT FOR DRIP EMITTERS AND WHERE APPROVED AS A TEMPORARY INSTALLATION. FILTERS AND END FLUSH VALVES SHALL BE PROVIDED AS NECESSARY. ALL PVC LINES CONNECTING 1/2" DRIP TUBING SHALL BE COVERED A MIN. OF 24" TO AVOID LANDSCAPE BOULDERS, CONC CURBING, PLAYGROUND SURFACING AND DRAINAGE LINES.
- IRRIGATION ZONES WITH OVERHEAD SPRAY OR STREAM SPRINKLERS SHALL BE DESIGNED TO OPERATE BETWEEN 6:00 P.M. AND 10:00 A.M. TO REDUCE WATER LOSS FROM WIND AND EVAPORATION. THIS WOULD EXCLUDE DRIP OR BUBBLER ZONES
- PROGRAM VALVES FOR MULTIPLE REPEAT CYCLES WHERE NECESSARY TO REDUCE RUHOFF, PARTICULARLY SLOPES AND SOILS WITH SLOW INFILTRATION RATES.
- FOLLOWING CONSTRUCTION AND PRIOR TO RELEASE OF THE SECONDARY BOND GUARANTEE POSTED FOR THE PROJECT, A WATER USE EFFICIENCY REVIEW WILL BE CONDUCTED BY A LANDSCAPE IRRIGATION AUDITOR. THE AUDITOR SHALL BE INDEPENDENT OF THE CONTRACTOR, AND DESIGN FIRM OF THE PROJECT THE WATER PERFORMANCE AUDIT WILL VERIFY THAT THE IRRIGATION SYSTEM COMPLIES WITH THE MINIMUM STANDARDS REQUIRED BY SANDY CITY ORDINANCE THE MINIMUM EFFICIENCY REQUIRED FOR THE IRRIGATION SYSTEM IS 60% FOR DISTRIBUTION EFFICIENCY FOR ALL FIXED SPRAY SYSTEMS AND 70% DISTRIBUTION EFFICIENCY FOR ALL ROTOR SYSTEMS. THE AUDITOR SHALL FURNISH A CERTIFICATE TO THE CITY. DESIGNER, INSTALLER AND CONTRACTOR CERTIFYING COMPLIANCE WITH THE MINIMUM DISTRIBUTION REQUIREMENTS. COMPLIANCE WITH THIS PROVISION IS REQUIRED BEFORE THE CITY WILL RELEASE THE BOND FOR THIS PROJECT
- PLANTS WHICH REQUIRE DIFFERENT AMOUNTS OF WATER SHALL BE IRRIGATED BY SEPARATE VALVES. IF ONE VALVE IS USED FOR A GIVEN AREA, ONLY PLANTERS WITH SIMILAR WATER USE SHALL BE USED IN THAT AREA. LAWN AREAS AND PLANTERS SHALL BE IRRIGATED BY SEPARATE VALVES.
- A SEPARATE BACKFLOW PREVENTION DEVICE SHALL BE INSTALLED FOR THE IRRIGATION SYSTEM.
- A RAIN SENSING OVERRIDING DEVICE SHALL BE UTILIZED SO THAT THE IRRIGATION SYSTEM WILL AUTOMATICALLY TURN OFF IN THE EVENT OF RAIN.
- THE IRRIGATION SYSTEM SHALL BE DESIGNED TO PREVENT OVERSPRAY AND WATER RUN-OFF ONTO ADJACENT-PROPERTY, NON-IRRIGATED AREAS, WALKS, ROADWAYS OR STRUCTURES
- AN AUTOMATIC IRRIGATION SYSTEM USING POP-UP SPRINKLER HEADS SHALL BE REQUIRED FOR ALL NEW LANDSCAPES. LOW FLOW SPRINKLER HEADS SHALL BE USED WHEREVER POSSIBLE.
- NO IRRIGATION OF WALKWAYS OR DRIVE
- WATER AUDIT IS REQUIRED PRIOR TO FINAL PAYMENT BOND BEING RELEASED.
- CALL FOR INSPECTIONS PER SANDY CITY SPEC. DIVISION 07300-3.05 "IRRIGATION INSTALLATION INSPECTION."



Graveling Way

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IRRIGATION LEGEND

SYMBOL	MANUFACTURER	MODEL NUMBER - DESCRIPTION	CITY STD. DETAIL
	RAIN BIRD	A= SPRAY HEAD VALVE 100-PESB-R, B= DRIP VALVE XCZ-LF-100-PRF	LA-10, 11, 12
	RAIN BIRD	44 RC QUICK COUPLER	LA-13
	MUELLER	TOP THREAD STOP AND WASTE VALVE	LA-01
	APPROVED	BACKFLOW PREVENTER FEBCO 825 YA OR APPROVED	LA-01
	RAIN BIRD	ESP-12MC WALL MOUNTED CONTROLLER	OMIT PEDESTAL CABINET; LA-50
	RAIN BIRD	RAINBIRD RSD SERIES RAIN SENSOR	SEE DRAWING DETAIL: 842/TYP-6
	WILKINS	WILKINS (OR APPROVED EQUAL) MODEL 500 PRESSURE REGULATOR	NA
	RAIN BIRD	RAINBIRD 1806-PRS SPRAY HEAD WITH 5h,q, 8q,l,h,f, 10h, 15q MPR-SERIES NOZZLES	LA-30
	APPROVED	1" SCH 40 PVC MAINLINE	LA-22
	APPROVED	3/4" SCH 40 PVC LATERAL LINE	LA-22
	APPROVED	SCH 80 PVC SLEEVE - SEE DETAIL SCHEDULE FOR SIZING	LA-20, 21
	RAIN BIRD	1/2" XT-700 DRIP TUBING USING 1/2" XG DISTRIBUTION TUBING W/ BUG EMITTERS XB-05PC (2/SHRUB), 20PC (3/EXISTING TREE)	LA-41

VALVE # A00 FLOW IN GALLONS PER MINUTE (GPM)
 VALVE SIZE 115.0 OPERATING PRESSURE IN POUNDS PER SQUARE INCH (PSI)
 2" p15.0

IRRIGATION SCHEDULE

MONTH	INTERVAL
Startup until April 30	Once every 6 days
May	Once every 4 days
June	Once every 3 days
July	Once every 3 days
August	Once every 3 days
September	Once every 6 days
October 1 to Shutdown	Once every 10 days

The soil should receive irrigation application to 1/2" of water each irrigation interval. These run times should be divided into three or more cycles allowing 1-hour in between cycles. For example if the sprinklers take 21 min. to apply 1/2" of water, one would use 7-min. cycles. Run the sprinklers for 7-min. each cycle and wait one hour in between each cycle.

SCALE		WARNING		HORROCKS ENGINEERS		2162 West Grove Parkway Suite 400 Pleasant Grove, UT 84062 (801) 763-5100		SANDY CITY - NEW SEVERSON WELLHOUSE		DESIGNED	DATE	PROJECT NO
HORIZONTAL		IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE		E N G I N E E R S				IRRIGATION PLAN		BLW	11/2011	PG-031-1107
VERTICAL										DRAWN	DATE	SHEET NO
N/A										BLW	11/2011	11 of 45
REVISIONS										CHECKED	DATE	DRAWING NO
										RP	12/2011	S4