#### PROJECT TEAM

PROJECT OWNER Cody Chamberlain Cody@D3CADEHOMES.com PROJECT DESIGNER ADDvirtue

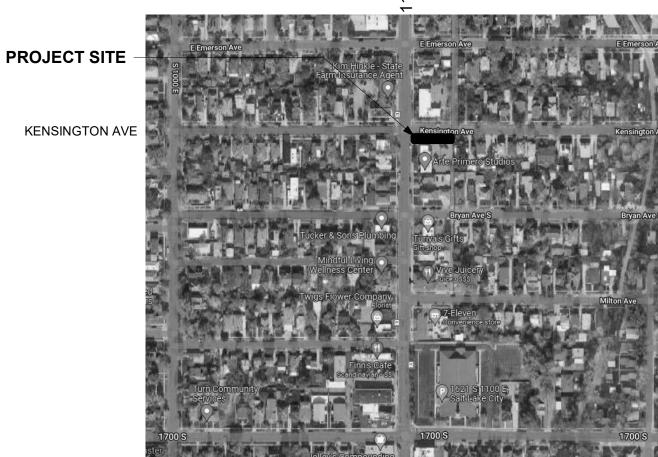
STRUCTURAL ENGINEER MEP ENGINEERS DESIGN/BUILD BY OTHERS

MJ Structural Engineers Matt Jackson

lan Kaplan mjackson@mjstructuralengineers.com lan@addvirtue.com

Ph. 801.230.5218 Ph. 585.261.1856 Ph. 801.905.1097

VICINITY MAP



#### PROJECT INFORMATION

1533 S 1100 E SALT LAKE CITY, UTAH 84105

16172560010000

**DESCRIPTION:** 

ADAPTIVE RE-USE OF AN EXISTING COMMERCIAL SPACE INTO A INTO A BAR/TAVERN. NO ADDITIONAL SQUARE

FOOTAGE TO BE ADDED TO PROJECT.

SITE AREA: .06 ACRES (2,437.5 SF)

(A-2) ASSEMBLY, ALCOHOL/BAR\* PRIMARY OCCUPANCIES:

\*CONDITIONAL USE APPROVAL REQUIRED

**EXISTING SITE USE:** (B) BUSINESS **CONSTRUCTION TYPE:** VB (WOOD FRAME)

PROJECT AREA:

MAIN LEVEL: LOWER LEVEL

1,953 SF 390 SF **TOTAL BUILDING GROSS SF:** 2,343 SF

MAIN LEVEL: LOWER LEVEL

1,686 SF TOTAL BUILDING NET SF: 1.989 SF

#### **ZONING INFORMATION**

**ZONE: RB - RESIDENTIAL BUSINESS** 

**SETBACKS:** 

LOCATION FRONT:

SIDE:

**REAR**:

\*EXISTING - NO CHANGES (SEE SITE PLAN) \*EXISTING - NO CHANGES (SEE SITE PLAN) \*EXISTING - NO CHANGES (SEE SITE PLAN)

**BUILDING COVERAGE:** 

\*EXISTING - NO CHANGES (SEE SITE PLAN) NOT TO EXCEED 50%

**BUILDING HEIGHT:** 

ACTUAL: 1,953 SF (80.1%) NOT TO EXCEED 30'. NO CHANGES PROPOSED.

SEE SITE PLANS. PARKING REQ'S:

#### **APPLICABLE CODES:**

ALL CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING CODES:

- 2021 INTERNATIONAL EXISTING BUILDING CODE (IEBC): WORK AREA METHOD
- 2021 INTERNATIONAL BUILDING CODE (IBC)
- TITLE 15A STATE CONSTRUCTION AND FIRE CODES ACT 2021 INTERNATIONAL ENERGY CONSERVATION CODE
- 2021 INTERNATIONAL PLUMBING CODE (IPC)
- 2021 INTERNATIONAL MECHANICAL CODE (IMC)
- 2021 INTERNATIONAL FUEL GAS CODE (IFGC) 2020 NATIONAL ELECTRIC CODE (NEC)

#### SHEET INDEX

COVER PAGE, SITE PLAN NOTES, ABBREV, 'S, SYMBOLS G003 SLCPUD GEN. NOTES

ACCESSIBILITY DETAILS

**EGRESS & LIFE SAFETY PLANS** 

Architectural A200 FLOOR PLANS

BUILDING ELEVATIONS A500 ENL. PLANS & INTERIOR ELEVATIONS

#### NOTICE TO ALL:

IT IS THE RESPONSIBILITY OF EACH AND EVERY CONTRACTOR, SUB-CONTRACTOR, AND/OR TRADE TO VERIFY ALL ASPECTS OF THESE DRAWINGS AND TO MAKE ANY AND ALL CORRECTIONS, ALTERATIONS, AND/OR CHANGES NECESSARY TO COMPLY WITH ALL CODE REQUIREMENTS, LOCAL REGULATIONS, AND PROPER DESIGN CRITERIA, UPON NOTIFICATION OF THE GENERAL CONTRACTOR AND DESIGNER AND TO ASSURE THE FUNCTION AND/OR OPERATION OF THE SAME, TO A REASONABLE STANDARD, AS REQUIRED BY

#### **DEFERRED SUBMITTALS:**

DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO ADDVIRTUE DESIGN | DEVELOPMENT, WHO SHALL REVIEW AND FORWARD THEM TO THE BUILDING OFFICIAL WITH A NOTATION INDICIATION THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE TO THE DESIGN OF THE PROJECT. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THE DESIGN AND SUBMITTED DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.

THE FOLLOWING ARE DEFERRED SUBMITTAL ITEMS: FIRE SPRINKLING (NFPA-13)

#### CONTRACTOR RESPONSIBILITIES:

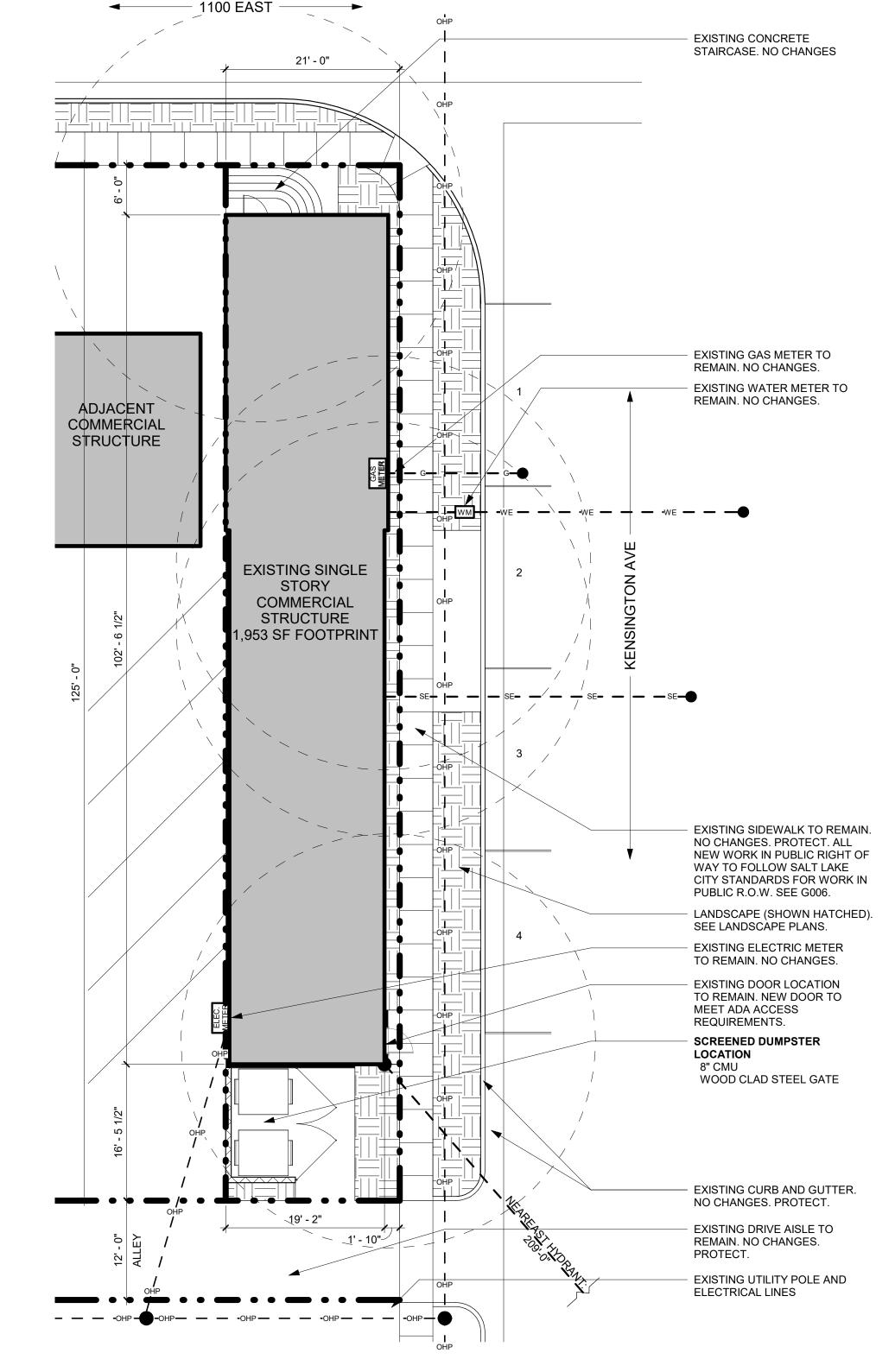
THE PROVIDED SITE PLAN IS DRAWN SCHEMATICALLY. IT IS THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR (GC) TO EXECUTE ANY/ALL REQUIRED SITE UTILITY & PREPARATION WORK IN ACCORDANCE WITH ALL APPLICABLE CODES & THE AUTHORITY HAVING JURISDICTION (AHJ). GENERALLY, THE GC SHALL BE RESPONSIBLE FOR THE COORDINATION, EXECUTION AND APPROVAL OF ALL WORK OUTSIDE OF THE MODULAR UNIT BUILDING ENVELOPE.

#### COVERAGE SUMMARY & PARKING CALC.

**COVERAGE SUMMARY:** 1,953 SF (80.2%) 319.5 SF (13.1%) HARDSCAPE: 165 SF (6.7%) 2,437.5 SF (100%) <u>LANDSCAPE</u>

Overall Site Plan

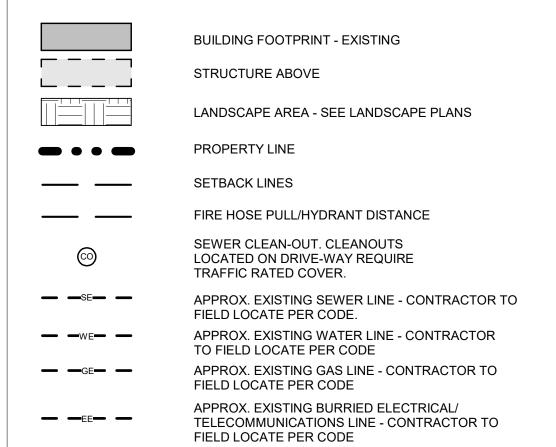
**PARKING REQUIREMENT** TENANT USE: RATIO: REQ'D 2 SPACES PER 1,000 SF 3.96 BAR/TAVERN USABLE FLOOR AREA (1,989 SF) TOTAL REQUIRED: TOTAL PROVIDED: 4 ON STREET STALLS



#### GENERAL NOTES - SITE PLAN

- UTILITY LOCATIONS ARE SHOWN SCHEMATICALLY. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO THE EXECUTION OF ANY WORK. WHEN SHOWN IN SITE PLAN, ALL DIMENSIONS ARE TO FACE OF FINISH TO
- PROPERTY LINES, IMAGINARY LINES, SETBACKS, ETC., U.N.O. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN.
- SEE BUILDING PLANS FOR ALL OTHER NOTES AND DIMENSIONS NO SHOWN
- NO PART OF RETAINING WALLS AND FOOTINGS SHALL ENCROACH INTO ADJACENT PROPERTIES OR EASEMENTS.
- THE PROPERTY OWNER SHALL MAINTAIN ALL DRAINAGE FACILITIES LOCATED WITHIN THE PARCEL AND BE RESPONSIBLE TO PREVENT DAMAGE TO DOWNSTREAM PROPERTIES.
- CONTRACTOR IS TO CONTACT AND ABIDE BY THE RULES OF THE UTAH DIVISON OF AIR QUALITY, (801) 536-4000.
- IF NO GAS UTILITY LINE OR METER ARE SHOWN ON THESE DRAWINGS THEN THERE IS NO GAS SERVICE PROVIDED TO THE SUBJECT PROPERTY. ALL UTILITY TRENCHING MUST BE PER SLCPU STANDARD PRACTICE NO.
- ALL UTILITIES MUST MEET HORIZONTAL AND VERTICAL CLEARANCE REQUIREMENTS PER CODE. WATER & SEWER LINES REQUIRE 10' MIN HORIZONTAL SEPARATION AND 18" MIN VERTICAL SEPARATION. SEWER MUST MAINTAIN 5' MIN. HORIZONTAL SEPARATION AND 12" VERTICAL SEPARATION FROM ANY NON-WATER UTILITIES. WATER MUST MAINTAIN 3' MINIMUM HORIZONTAL SEPARATION AND 12" VERTICAL SEPARATION FROM ANY NON-SEWER UTILITES.
- A MINIMUM OF ONE EXTERIOR CLEANOUT IS REQUIRED ON THE SEWER LATERAL WITHIN 5' OF THE BUILDING. ADDITIONAL CLEANOUTS ARE REQUIRED AT EACH BEND AND AT LEAST ONE EVERY 50' FOR 4" LATERALS AND ONE EVERY 100' FOR 6" LATERALS.
- SALT LAKE CITY PUBLIC UTILITIES GENERAL NOTES ARE INCORPORATED AS PART OF THIS PLAN SET.
- SEWER LATERAL MUST GRAVITY DRAIN ALL FLOORS AND MEET MINIMUM SLOPE REQUIREMENTS (2% FOR 4" LATERALS, 1% FOR 6" LATERALS)"
- POWER COMPANY, GAS COMPANY AND COMMUNICATION COMPANIES ARE RESPONSIBLE FOR SUBMITTING DESIGN PLANS AS REQUIRED BY TITLE 14 CHAPTER 32 OF THE REVISED ORDINANCES OF SALT LAKE CITY FOR ALL PROPOSED WORK FOR THEIR RESPECTIVE UTILITY LINES FOR THIS PROJECT IN OR ADJACENT TO THE CITY ROW OR A PUBLIC UTILITIES ROW. PLAN REVIEWS ARE REQUIRED BY THE PUBLIC UTILITIES DEPT. UTILITY COORDINATOR AND HTE CITY ENGINEERING PUBLIC WAY PERMIT PLAN
- ELECTRICAL SERVICE CONDUCTORS MUST BE A MINIMUM OF 8' ABOVE ANY PORTION OF THE ADU.

#### **LEGEND - SITE PLAN**







**O** S **BL** 1533

ADDVIRTUE

ADVOCACY | DESIGN | DEVELOPMENT

SALT LAKE CITY, UTAH

ANNAPOLIS, MARYLAND

IAN@ADDVIRTUE.COM

OND. USE 8/28/2023 REVISION SETS mark dat

PLOT DATE 10/26/2023 PROJECT DRAWN BY

CHECKED BY IK SHEET TITLE

COVER PAGE, SITE

G001

**LEGEND - ELEVATIONS** 

EXISTING STUCCO SIDING, PAINTED

EXISTING BRICK SIDING, PAINTED

EXISTING CONCRETE FOUNDATION WALL

GENERAL NOTES - ELEVATIONS

1. WHEN SHOWN IN ELEVATION OR SECTION, ALL DIMENSIONS ARE TO TOP OF PLATE, TOP OF CONCRETE OR TOP OF CEMENT-BASED UNDERLAYMENT, U.N.O.

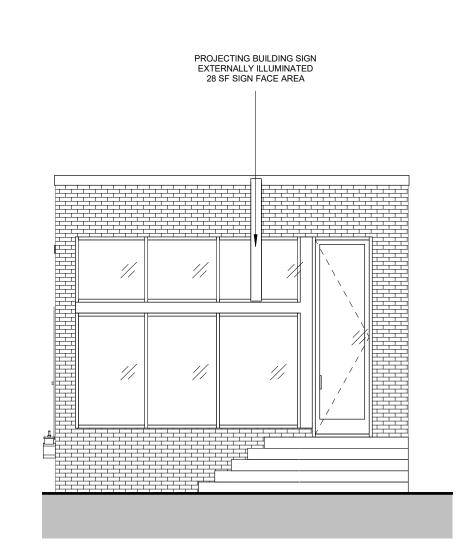
2. DO NOT SCALE DRAWINGS, WRITTEN DIMESNSIONS GOVERN. 3. ALL CLEAR DIMENSIONS ARE NOT TO BE ADJUSTED WITHOUT

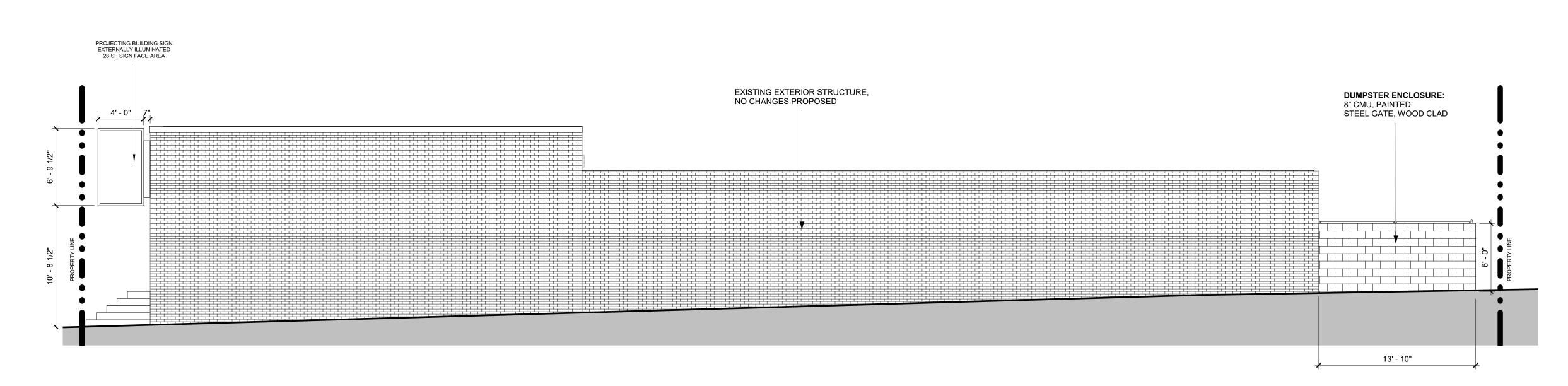
APPROVAL OF THE ARCHITECT.

4. SEE CIVIL AND STRUCTURAL FOR FINISH FLOOR ELEVATIONS. 5. SEE CIVIL FOR ADJACENT HARDSCAPE ELEVATIONS. WHERE EXTERIOR STAIRS LAND ON EXTERIOR HARDSCAPE; CONFIRM

ELEVATIONS WITH CIVIL. 6. SEE ELECTRICAL FOR EXTERIOR LIGHT FIXTURES.

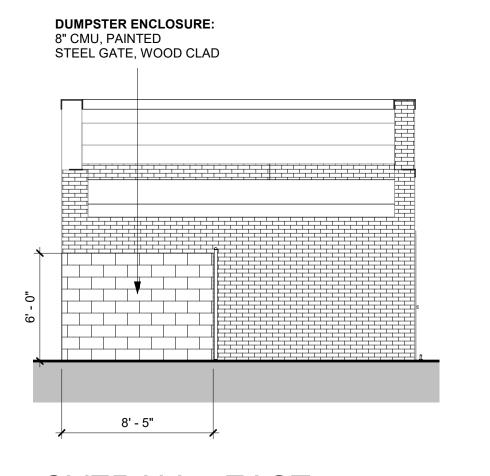


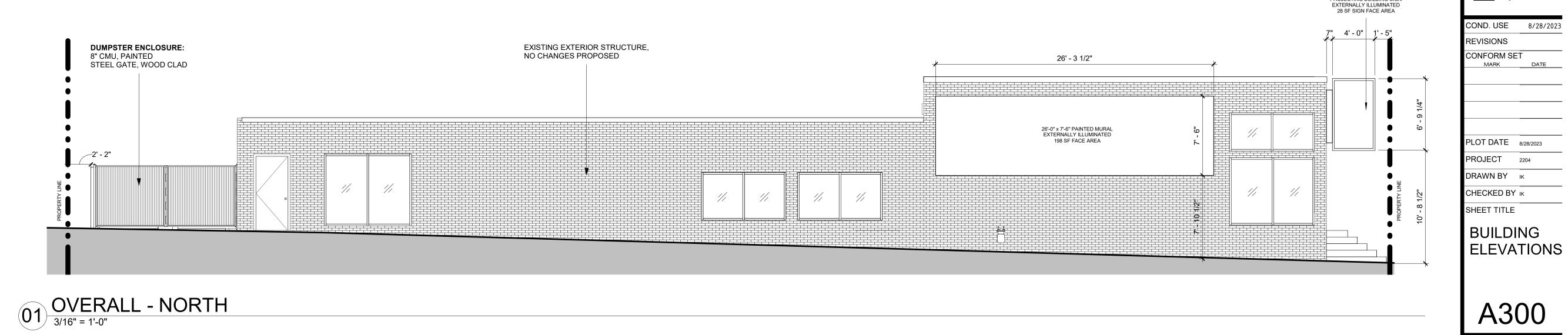




04 OVERALL - WEST
3/16" = 1'-0"

03 OVERALL - SOUTH
3/16" = 1'-0"





02 OVERALL - EAST

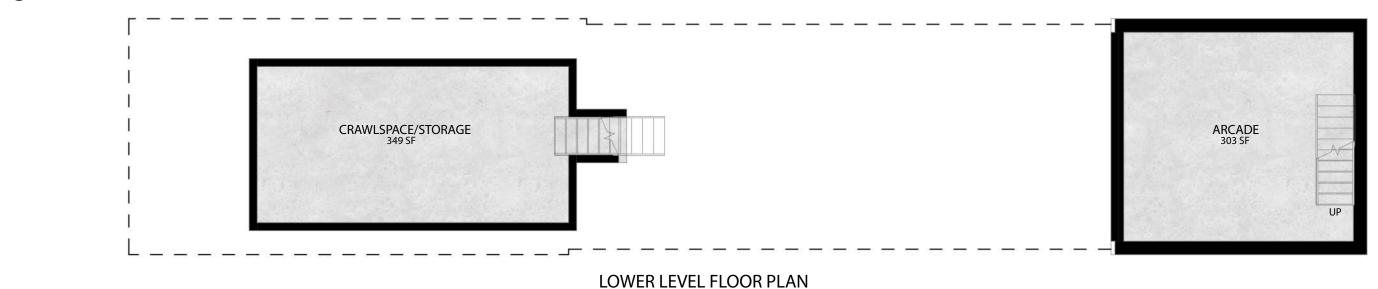
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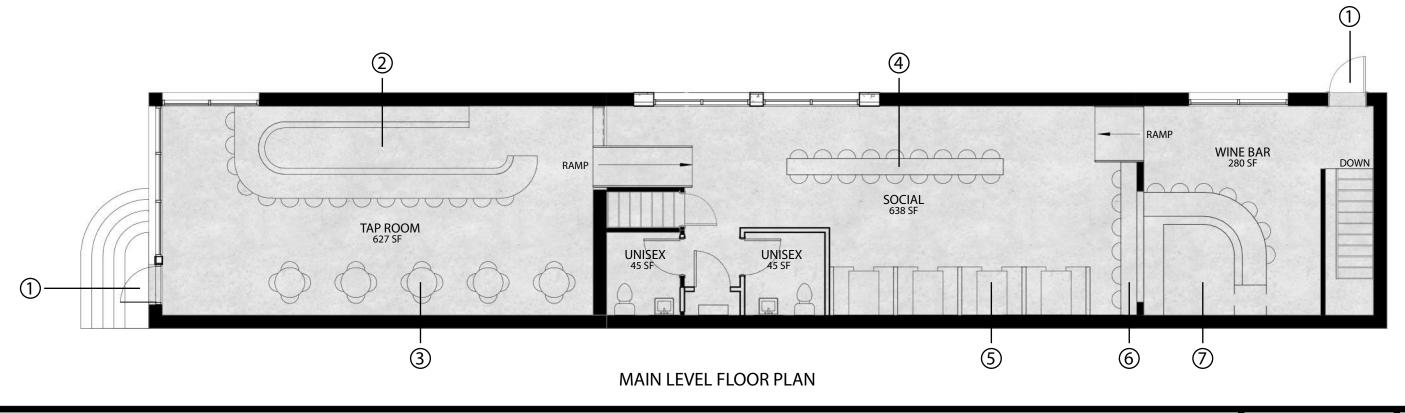
MARK DATE

PROJECTING BUILDING SIGN

#### LEGEND

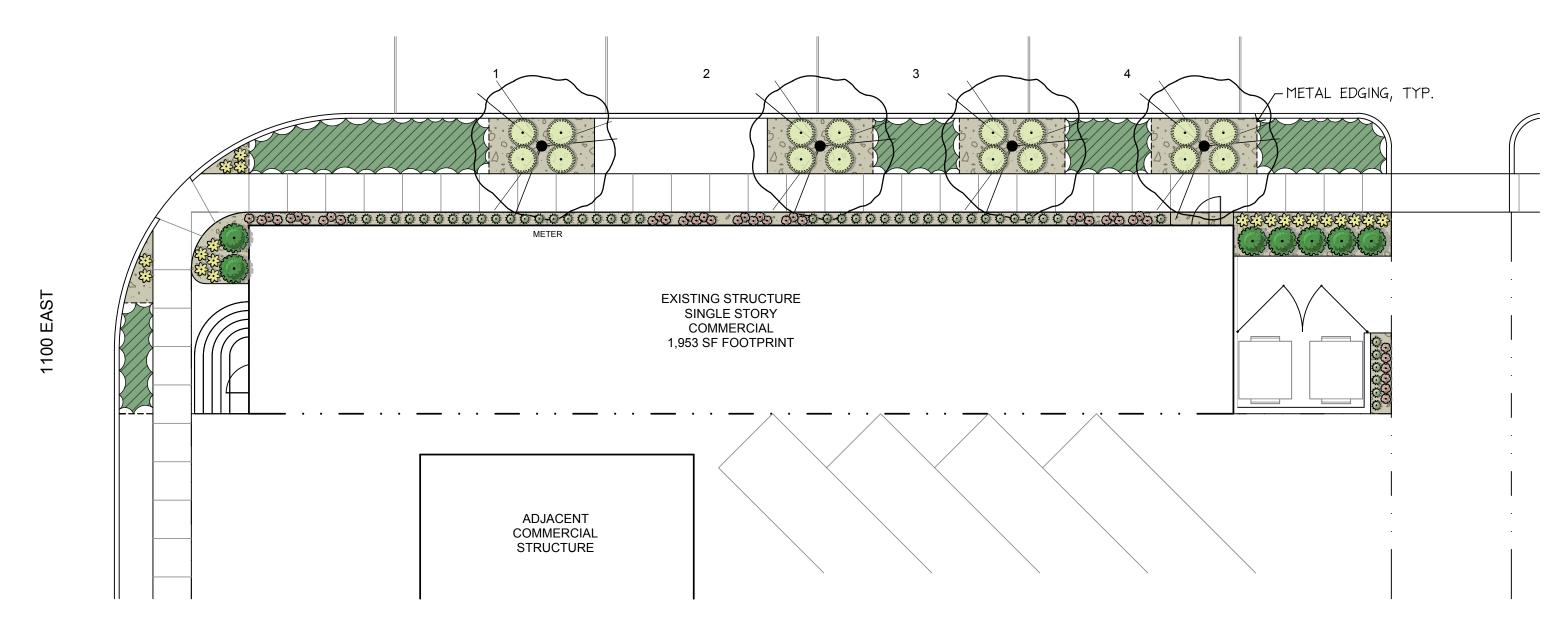
- 1 Existing building entrance.
- 2 Tap bar, seats 15.
- (3) High top seating, seats 20.
- 4 High bar seating, seats 18.
- (5)Booths, seats 24.
- 6 High bar seating, seats 6.
- 7)Wine bar, seats 7.











#### PLANTING NOTES

- 1. THE BASE INFORMATION FOR THIS DRAWING WAS OBTAINED FROM OTHERS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE DRAWING WITH ACTUAL FIELD CONDITIONS PRIOR TO BEGINNING ANY WORK AND IMMEDIATELY NOTIFYING THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES. IN THE EVENT THAT THE CONTRACTOR BEGINS WORK PRIOR TO VERIFYING AND COMPARING THE BASE INFORMATION WITH ACTUAL FIELD CONDITIONS, THEN ANY CHANGES OR ALTERATIONS TO THE WORK INVOLVED WITH THESE DRAWINGS DUE TO SUCH DISCREPANCIES WILL BE PERFORMED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
- 2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND MARKING THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF WORK PRIOR TO BEGINNING CONSTRUCTION. CONTACT THE OWNER, BLUE STAKES OF UTAH AT 811 OR 1-800-662-4111, AND ALL OTHER ENTITIES AS NECESSARY. IN THE EVENT THE CONTRACTOR BEGINS CONSTRUCTION WORK PRIOR TO VERIFYING AND STAKING ALL UTILITIES, AND DAMAGE TO UTILITIES OCCURS, THE DAMAGED UTILITIES WILL BE REPAIRED AND/OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.
- 3. REFER TO LEGENDS, NOTES, DETAILS, AND SPECIFICATIONS FOR FURTHER INFORMATION.
- 4. ANY ALTERATIONS TO THESE ACTUAL PLANTING PLANS DURING CONSTRUCTION SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT AND RECORDED ON "AS BUILT" DRAWINGS PER THE SPECIFICATIONS.
- 5. ALL PLANT MATERIAL SHALL CONFORM TO THE MINIMUM GUIDELINES ESTABLISHED BY THE AMERICAN STANDARD FOR NURSERY STOCK PUBLISHED BY THE AMERICAN NURSERY ASSOCIATION, INC...
- 6. ALL PLANTS TO BE BALLED AND BURLAPPED OR CONTAINER GROWN, UNLESS OTHERWISE NOTED ON THE PLANT LIST.
- 7. QUANTITIES INDICATED IN THE PLANT SCHEDULE ARE FOR CONVENIENCE ONLY. THE CONTRACTOR IS RESPONSIBLE TO VERIFY ALL QUANTITIES AND SHALL SUPPLY ALL PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING DESIGN SHOWN ON THE PLANS REGARDLESS OF QUANTITIES INDICATED IN THE PLANT SCHEDULE.
- 8. 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 LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- 9. STAKE LOCATIONS OF ALL PROPOSED PLANTING FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO THE COMMENCEMENT OF PLANTING.

10. ALL PLANT BEDS SHALL RECEIVE 12" OF PLANTING SOIL MIX. BACKFILL ALL PLANTING PITS WITH PLANTING SOIL MIX.

II. GROUND COVER AREAS SHALL RECEIVE 1-1/2" INCHES OF FINE TEXTURED SOIL AID/SOIL PEP. ALL OTHER PLANT BEDS AND TREE WELLS TO RECEIVE THREE INCHES (3") OF GREY STONE MULCH/PERMA BARK - SEE SCHEDULE.

PLANT SCHEDULE

		9==				
TREES	<u>CODE</u>	BOTANICAL NAME	COMMON NAME	<u>CAL</u>		QTY
	AME GRA	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE' HYDROZONE: TD3	AUTUMN BRILLIANCE SERVICEBERRY	2" CAL		4
<u>SHRUBS</u>	<u>CODE</u>	BOTANICAL NAME	COMMON NAME	<u>SIZE</u>		QTY
	RHA FLN	RHAMNUS FRANGULA 'FINE LINE' HYDROZONE: SD3	FINE LINE BUCHTHORN	5 GAL		7
	TAX FDN	TAXUS X MEDIA 'SMNTHDPF' HYDROZONE: SE3	STONEHENGE SKINNY(L YEW	5 GAL		46
<u>GRASSES</u>	<u>CODE</u>	BOTANICAL NAME	COMMON NAME	<u>SIZE</u>		QTY
O TO TO THE TOTAL THE TOTA	MIS SIN	MISCANTHUS SINENSIS 'NCMS2B' BANDWIDTH PPAF HYDROZONE: TW2	ZEBRA GRASS	I GAL		16
<u>PERENNIAL</u>	<u>CODE</u>	BOTANICAL NAME	COMMON NAME	<u>SIZE</u>		QTY
	ECH POW	ECHINACEA 'POW WOW WHITE' HYDROZONE: P2	POW WOW CONEFLOWER	1 GAL		21
	HEU RI2	HEUCHERA X 'RIO' HYDROZONE: P3	RIO CORAL BELLS	1 GAL		41
GROUND COVERS	<u>CODE</u>	BOTANICAL NAME	COMMON NAME	SIZE	<u>SPACING</u>	QTY
	CER PLU	CERATOSTIGMA PLUMBAGINOIDES HYDROZONE: GV2	DWARF PLUMBAGO	4" POT	12" o.c.	284 SF
STONE MULCH	<u>CODE</u>	BOTANICAL NAME	COMMON NAME	<u>SIZE</u>	<u>SPACING</u>	<u>QTY</u>
	PER BRK	3" DEPTH PERMA BARK AVAILABLE VIA. STAKER PARSONS-CONTACT SHANNON MICKLES:385-239-0804	PERMA BARK	I" DIA.		548 SF

TOTAL SITE AREA LANDSCAPE (LS)

2,437.5 SF 100.0%

832 SF 34.1% (OF TOTAL SITE)

REQUIRED PROVIDED **DESCRIPTION** PARK STRIP TREES (ONE PER

30 FT. BASED ROAD FRONTAGE)

\*SEE PLANT SCHEDULE FOR PLANT HYDROZONES.

\*IRRIGATION ZONES SEPERATED PER HYDROZONES, SEE IRRIGATION PLAN.

678 East Vine Street, Ste 10 Murray, Utah 84107 801.575.6066 www.gbrowndesign.com ■ PREPARED FOR: D3CADEHOMES 1240 E 2100 S SUITE 600 SALT LAKE CITY, UT 84106

G.BROWN: DESIGN INC SITE AND LANDSCAPE ARCHITECTS

■ CONSULTANTS:

RC

■ REVISIONS:

**□** STAMP MICHAEI WONENBERG NO. **\7456909-5301** 

■ SHEET TITLE:

PLANTING PLAN

■ DATE:

08-23-2023 ■ DRAWN BY: HRM/CBR

☐ CHECKED BY: ■ JOB NO.:

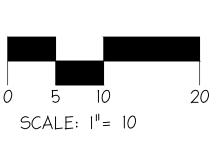
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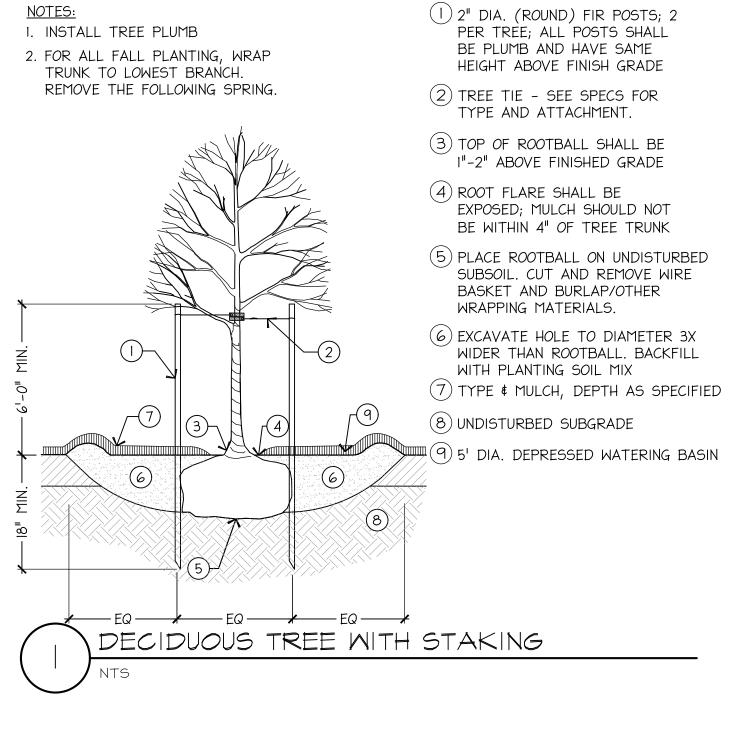
NORTH

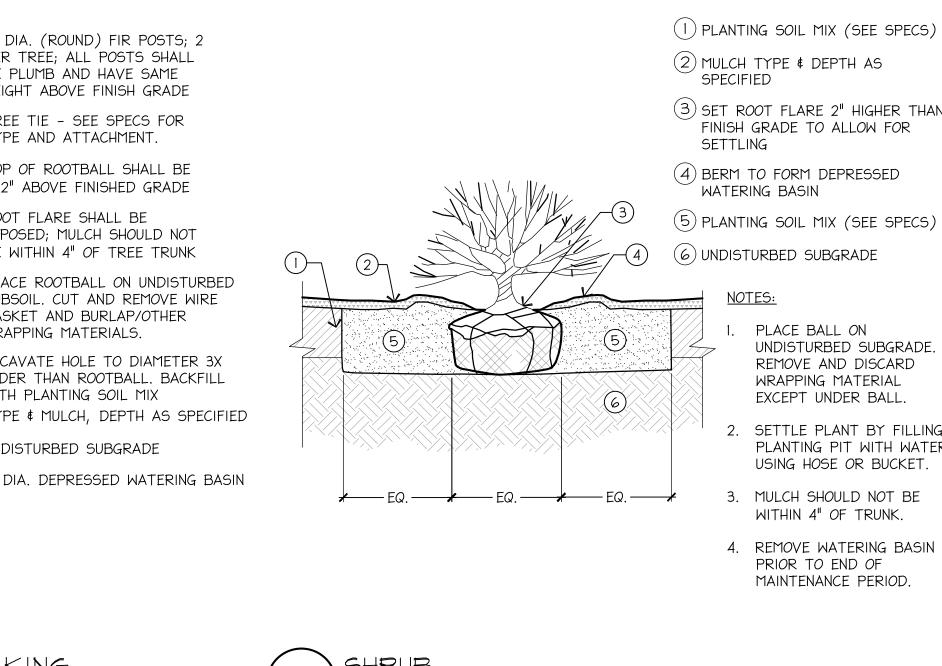
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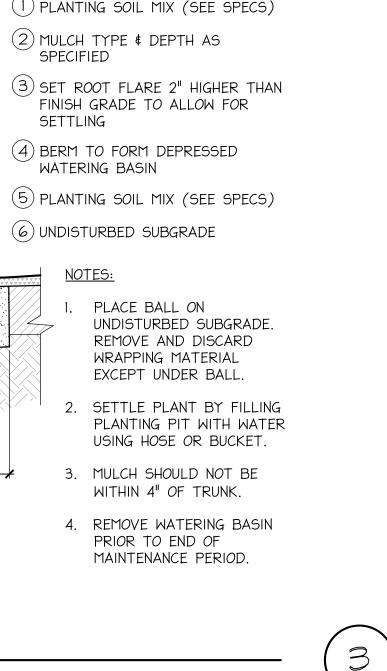
MJW

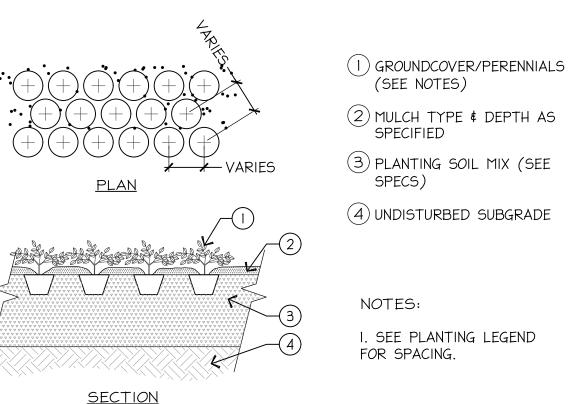
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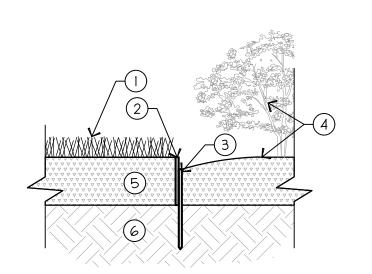












(I) TURF PER PLANTING PLAN

(2) CUSTOM 3/16"x6" RAW STEEL EDGING 3) 24" STEEL SPIKE WELDED TO STEEL EDGING SPACED AT LEAST EVERY 6' O.C. OR MORE FREQUENTLY AS NEEDED TO ENSURE SMOOTH CURVES AND/OR STRAIGHT LINES

(4) MATERIAL PER PLANTING PLAN (5) PLANTING SOIL MIX (SEE SPECS)

(6) UNDISTURBED SUBGRADE I. EDGING TO BE 1/2" ABOVE FINISH

2. ALL JOINTS TO BE CUT AND WELDED

EDGING - CUSTOM METAL TO CREATE CLEAN, CRISP CORNERS.

ARC,

 $\mathbf{\Omega}$ 

G.BROWN: DESIGN INC SITE AND LANDSCAPE ARCHITECTS

678 East Vine Street, Ste 10 Murray, Utah 84107 801.575.6066

www.gbrowndesign.com

■ PREPARED FOR:

1240 E 2100 S SUITE 600

SALT LAKE CITY, UT 84106

D3CADEHOMES

■ CONSULTANTS:

1100 CITY OUTH 533 SC SALT

	REVISIONS:
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■ SHEET TITLE:

PLANTING DETAILS

■ DRAWN BY: HRM/CBR CHECKED BY:

■ JOB NO.:

■ SHEET NO:

LP-501

U23-031

<u>SECTION</u>

(5) PLANTING SOIL MIX (SEE SPECS) (6) UNDISTURBED SUBGRADE

PLACE BALL ON UNDISTURBED SUBGRADE.

EXCEPT UNDER BALL. 2. SETTLE PLANT BY FILLING PLANTING PIT WITH WATER

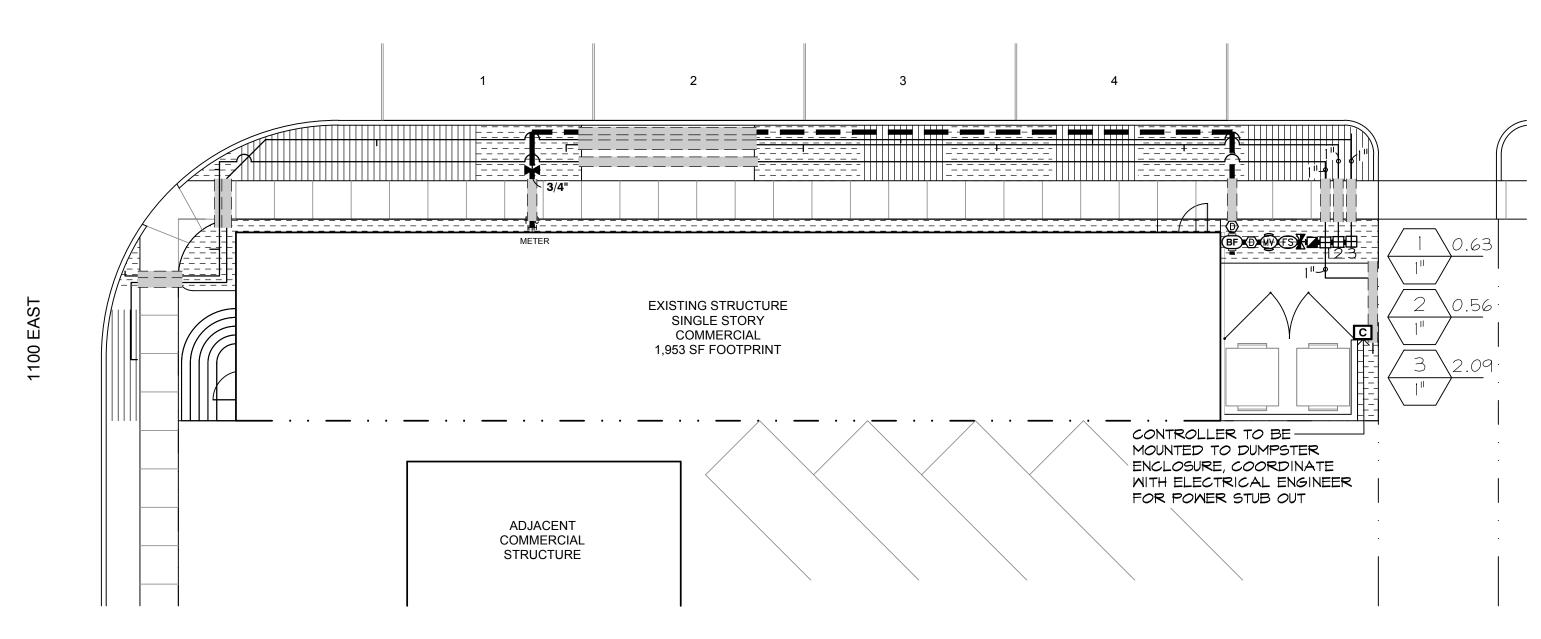
USING HOSE OR BUCKET. 3. MULCH SHOULD NOT BE

WITHIN 4" OF TRUNK. 4. REMOVE WATERING BASIN PRIOR TO END OF

GROUNDCOVER / PERENNIAL

■ DATE: 08-23-2023



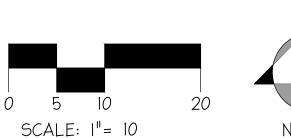


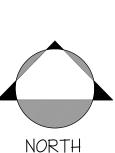
#### IRRIGATION GENERAL NOTES

- 1. THE BASE INFORMATION FOR THIS DRAWING WAS OBTAINED FROM OTHERS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE DRAWING WITH ACTUAL FIELD CONDITIONS PRIOR TO BEGINNING ANY WORK AND IMMEDIATELY NOTIFYING THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES. IN THE EVENT THAT THE CONTRACTOR BEGINS WORK PRIOR TO VERIFYING AND COMPARING THE BASE INFORMATION WITH ACTUAL FIELD CONDITIONS, THEN ANY CHANGES OR ALTERATIONS TO THE WORK INVOLVED WITH THESE DRAWINGS DUE TO SUCH DISCREPANCIES WILL BE PERFORMED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
- 2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND MARKING THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF WORK PRIOR TO BEGINNING CONSTRUCTION. CONTACT THE OWNER, BLUE STAKES OF UTAH AT 811 OR 1-800-662-4111, AND ALL OTHER ENTITIES AS NECESSARY. IN THE EVENT THE CONTRACTOR BEGINS CONSTRUCTION WORK PRIOR TO VERIFYING AND STAKING ALL UTILITIES, AND DAMAGE TO UTILITIES OCCURS, THE DAMAGED UTILITIES WILL BE REPAIRED AND/OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.
- 3. REFER TO LEGENDS, NOTES, DETAILS, AND SPECIFICATIONS FOR FURTHER INFORMATION.
- 4. COORDINATE LAYOUT OF THE IRRIGATION SYSTEM WITH OTHER TRADES SO THAT CONSTRUCTION CAN CONTINUE IN A NORMAL SEQUENCE OF EVENTS AND SO THAT WORK OF OTHER TRADES IS NOT DISTURBED ONCE PLACED IN THE FIELD. IN THE EVENT THE CONTRACTOR FAILS TO COORDINATE CONSTRUCTION BETWEEN TRADES AND BY DOING SO, THE CONTRACTOR DAMAGES, DISPLACES OR OTHERWISE CAUSES OTHER TRADES WORK TO BE REINSTALLED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUCH REPLACEMENT AND/OR RE-INSTALLATION AT NO ADDITIONAL COST TO THE OWNER.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION LAYOUT OF THE IRRIGATION SYSTEM IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS TO PROVIDE HEAD TO HEAD AND EMITTER TO EMITTER SPACING AS SHOWN ON THE PLANS, DETAILS AND SPECIFICATIONS. THE LAYOUT MAY ONLY BE MODIFIED AS APPROVED BY THE LANDSCAPE ARCHITECT TO OBTAIN COVERAGE TO SUIT THE MANUFACTURERS STANDARD HEADS INDICATED. ANY SUCH APPROVAL BY THE LANDSCAPE ARCHITECT SHALL OCCUR PRIOR TO ACTUAL PLACEMENT OF THE HEADS IN THE FIELD AND SHALL BE RECORDED ON "AS BUILT" DRAWINGS PER THE SPECIFICATIONS.
- 6. ALL INSTALLATIONS OR MODIFICATION TO THE IRRIGATION SYSTEM WILL NOT EXCEED THE DESIGN SUPPLY CAPACITY.
- 7. MAXIMUM WATER VELOCITY THROUGH IRRIGATION PIPE HAS BEEN DESIGNED NOT TO EXCEED 5.0 FEET PER SECOND AND SHALL IN NO CASE BE GREATER THAN 7.5 FEET PER SECOND.
- 8. THE IRRIGATION SYSTEM SHOWN ON THE DRAWINGS REPRESENTS AN AUTOMATIC CONTROLLER IRRIGATION SYSTEM SUPPLIED FROM THE MUNICIPAL WATER SYSTEM. THE SYSTEM IS DESIGNED FOR A MINIMUM OPERATING PRESSURE OF 100 PSI AT THE IRRIGATION POINT OF CONNECTION. THE IRRIGATION CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION AND REPORT ANY DIFFERENCE TO THE OWNER AND/OR THEIR REPRESENTATIVE.
- 9. VIDE AND INSTALL ALL THE MANUFACTURER'S RECOMMENDED SURGE AND LIGHTNING PROTECTION EQUIPMENT ON ALL CONTROLLERS.
  AG2401 SURGE SUPPRESSER ON HIGH VOLTAGE; 3 GROUND ROD GRID, 8 FOOT TRIANGLE FOR LOW VOLTAGE.
- 10. THE IRRIGATION DESIGN IS DIAGRAMMATIC. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE HIMSELF WITH THE SITE AND TO LOCATE ALL IRRIGATION EQUIPMENT OTHER THAN SPRAY HEADS, ROTORS, EMITTERS AND IN-LINE EMITTERS IN THE CLOSEST LANDSCAPE AREA TO WHERE THE SYMBOL FOR THAT EQUIPMENT HAS BEEN SHOWN ON THE PLANS IN THE SAME SEQUENCE AS SHOWN ON THE PLANS.
- II. THE CONTRACTOR SHALL PROVIDE ALL LABOR, PARTS AND MATERIALS REQUIRED TO COMPLETE THE IRRIGATION SYSTEM IN ACCORDANCE WITH THE PLANS, DETAILS, AND SPECIFICATIONS.
- 12. ALL LINES SHALL SLOPE TO MANUAL DRAIN (SEE DETAILS). IF FIELD CONDITIONS NECESSITATE ADDITIONAL DRAINS, THESE DRAINS SHALL BE INSTALLED FOR COMPLETE DRAINAGE OF THE ENTIRE SYSTEM. REFER TO DETAILS AND SPECIFICATIONS FOR DRAIN INSTALLATION, SUMP REQUIREMENTS AND DEPTH OF BOTH DRAIN AND SUMP.
- 13. THE IRRIGATION CONTRACTOR SHALL FLUSH AND ADJUST ALL THROTTLE CONTROLS ON ALL SPRINKLER HEADS AND ADJUST VALVES FOR OPTIMUM COVERAGE WITH MINIMAL OVER SPRAY ONTO WALKS, STREETS, WALLS, ETC.
- 14. INTERRUPTION OF IRRIGATION WATERING IS LIKELY TO OCCUR DUE TO OTHER CONSTRUCTION ACTIVITIES AND WORK ON THE IRRIGATION SYSTEM. ALL EXISTING PLANT MATERIAL TO REMAIN SHALL BE PROPERLY PROTECTED AND CARED FOR THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL HAND WATER PLANTS AS REQUIRED. ANY DAMAGE TO PLANT MATERIAL THAT OCCURS DUE TO THIS CONSTRUCTION OR LACK OF WATER DURING CONSTRUCTION SHALL BE REPAIRED TO THE PRE-CONSTRUCTION CONDITION AT THE EXPENSE OF THE CONTRACTOR.
- 15. SEE SPECIFICATION SECTION 328400-IRRIGATION FOR ADDITIONAL INFORMATION.

#### IRRIGATION SCHEDULE

#### MANUFACTURER/MODEL/DESCRIPTION HUNTER ICZ-IOI-25-LF DRIP CONTROL ZONE KIT. IIN. ICY GLOBE VALVE WITH IIN. HYIOO FILTER SYSTEM. PRESSURE REGULATION: 25 PSI. FLOW RANGE: .5 GPM - 15 GPM. 150 MESH STAINLESS STEEL SCREEN. FLUSH VALVE AND DRIP INDICATOR (NOT SHOWN) INSTALL NETAFIM TLSOY MANUAL FLUSH VALVE, AND DRIP INDICATOR AT THE END OF EACH DRIP ZONE AND OTHER AREAS AS NECESSARY TO WINTERIZE SYSTEM. AREA TO RECEIVE DRIPLINE NETAFIM TLHCVXR-053-12 TECHLINE HOUXR PRESSURE COMPENSATING LANDSCAPE DRIPLINE WITH CHECK VALVE AND 30 ANTI-SIPHON FEATURE. 0.53 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 18" APART WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. 17MM. AREA TO RECEIVE DRIPLINE NETAFIM TLHCVXR-CS-053-24 TECHLINE HOVXR PRESSURE COMPENSATING LANDSCAPE DRIPLINE WITH COPPER STRIPE CHECK VALVE AND ANTI-SIPHON FEATURE. 0.53 GPH EMITTERS AT 24" O.C. DRIPLINE LATERALS SPACED AT 24" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. ITMM. <u>SYMBOL</u> MANUFACTURER/MODEL/DESCRIPTION HUNTER HQ-44RC QUICK COUPLER VALVE, YELLOW RUBBER COVER, RED BRASS AND STAINLESS STEEL, WITH I" NPT INLET, 2-PIECE BODY STOP & WASTE VALVE SIZE PER MAINLINE MATTS FULL PORT VALVE SIZE PER MAINLINE HUNTER ICY-G I" IIN., I-I/2IN., 2IN., AND 3IN. PLASTIC ELECTRIC MASTER VALVE, GLOBE CONFIGURATION, WITH NPT THREADED INLET/OUTLET, FOR COMMERCIAL/MUNICIPAL USE. DRAIN VALVE SIZE TO LINE WILKINS 975XLVS 3/4" REDUCED PRESSURE BACKFLOW DEVICE IN SOLID ENCLOSURE (SIZED TO FIT) WITH INSULATED BLANKET. HUNTER HPC-400 4 STATION OUTDOOR WI-FI ENABLED, FULL-FUNCTIONING CONTROLLER WITH TOUCHSCREEN. PLASTIC CABINET HUNTER HC-075-FLOW 3/4IN. FLOW METER FOR USE WITH HYDRAWISE ENABLED CONTROLLER TO MONITOR FLOW AND PROVIDE SYSTEM ALERTS. ALSO FUNCTIONS AS STAND ALONE FLOW TOTALIZER/SUB METER ON ANY RESIDENTIAL OR COMMERCIAL IRRIGATION POINT OF CONNECTION 3/4" IRRIGATION LATERAL LINE: PVC SCHEDULE 40 PIPE SLEEVE: PVC SCHEDULE 40 SLEEVE SHALL BE A MINIMUM OF TWICE THE NOMINAL SIZE OF PIPE WITHIN. EXTEND SLEEVES 18 INCHES BEYOND EDGES OF PAVING OR CONSTRUCTION Valve Callout Valve Number







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STAMP

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MICHAEL

WONENBERG

NO.

7456909-5301

■ SHEET TITLE:

IRRIGATION PLAN

■ DATE: 08-23-2023

DRAWN BY: HRM/CBR

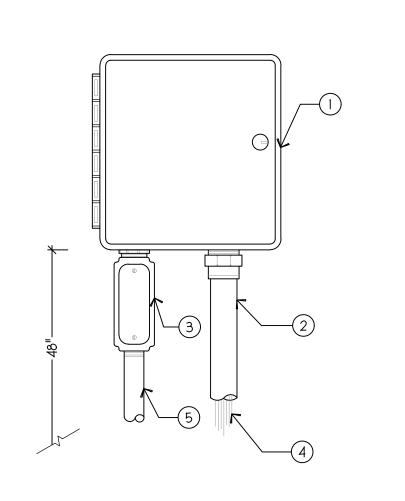
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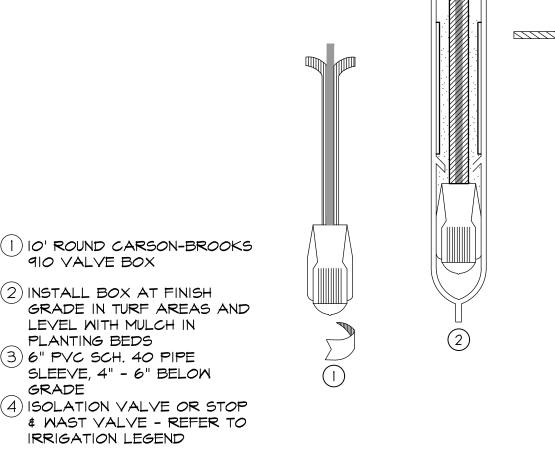
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- ( I ) WALL MOUNTED IRRIGATION CONTROLLER - REFER TO SPECS (2) PVC SCH. 80 CONDUIT AND FITTINGS SIZED
- PER SPECS (3) JUNCTION BOX
- (4) WIRES TO REMOTE CONTROL VALVES
- (5) I-INCH PYC SCH. 80 CONDUIT TO POWER SUPPLY (UNLESS SPECIFIED LARGER ON ELECTRICAL DRAWINGS)
- BOTTOM OF CONTROLLER TO BE 48" ABOVE FINISH GRADE



 $\longrightarrow$  (18)

PERFORMANCE PLUS WIRE CONNECTOR R/Y+ ELECTRICAL CONNECTOR IN A CLOCKWISE ) INFRESCIT GANLICE TO BOTTOM OF GEL FILLED TUBE. VISUALLY CHECK TO MAKE SURE CONNECTOR HAS BEEN PUSHED PAST THE LOCKING FINGERS AND IS SEATED ON THE BOTTOM OF THE ) POSTION WIRES IN WIRE CHANNELS AND CLOSE INSULATOR TUBE COVER.

> NOTE: SOLDER ALL WIRE CONNECTIONS

1) STRIP WIRES AND

APPLY

# 

(1) 10" ROUND VALVE BOX W/ LOCK BOLT, CARON-BROOKS 910 OR EQUAL

(2) FINISH GRADE

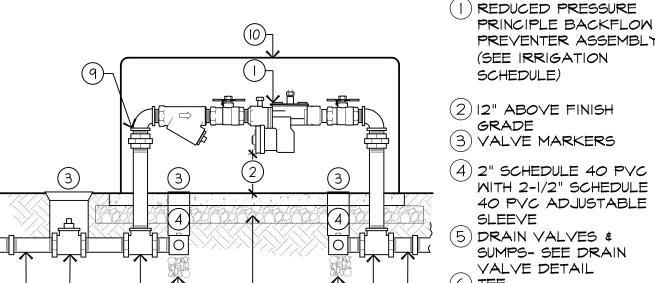
- (3) 906L WEATHERMATIC LOCKING VALVE CAP PERMANENTLY ATTACHED TO SLEEVE. TOP OF MARKER 4" - 6"
- BELOW GRADE (4) 2" PVC SCH. 40 SLEEVE NOTCHED
- OVER VALVE (5) PVC SCH. 80 TEE \$ MAIN LINE
- (6) 3/4" PVC SCH. 80 ELBOW
- (7) 3/4" PVC SCH. 80 NIPPLE (LENGTH AS REQUIRED)
- (8) 3/4" FORD BII333 BALL VALVE (9) 3/4" MARLEX STREET ELBOW (10) GRAVEL SUMP - 18"x18"x12" MIN. SIZE (II) SUBGRADE COMPACTED TO 90%
- (12) STANDARD BRICK, TYP.

#### NOTES:

- I. ALL PVC NIPPLES TO BE SCH. 80.
- 2. PROVIDE VALVE KEY TO OWNER.

# MANUAL DRAIN VALVE ASSEMBLY

## RRIGATION CONTROLLER-WALL MOUNT



 $\boxed{5} \longrightarrow \boxed{\oplus}$ 

PREVENTER ASSEMBLY (SEE IRRIGATION SCHEDULE) (2) 12" ABOVE FINISH GRADE

- (3) VALVE MARKERS (4) 2" SCHEDULE 40 PVC
- WITH 2-1/2" SCHEDULE 40 PVC ADJUSTABLE SLEEVE ) DRAIN VALVES \$ SUMPS- SEE DRAIN VALVE DETAIL 6) TEE
- ) GALVANIZED NIPPLE 2'-0" LONG TO MAIN
- LINE (8) MAIN LINE ISOLATION VALVE

9) SET UNIONS ABOVE

- GRADE STAINLESS STEEL ABOVE GROUND ENCLOSURE. SIZED TO MEET CITY AND LOCAL CODES 1) 5" THICK REINFORCED FIBER CONCRETE PAD
- OVER 6" COMPACTED AGGREGATE BASE. SIZE PAD ACCORDING TO ABOVE GROUND ENCLOSURE RECOMMENDATION BACKFLOW PREVENTER ASSEMBLY

### ISOLATION VALVE/STOP & WASTE

MAIN WATER SUPPLY LINE

FLOW -->

GRADE

AGGREGATE

5) 6" MIN. DEPTH 3/4" WASHED

DBR/Y DIRECT BURY SPLICE KIT

(1) STANDARD OR JUMBO VALVE INSTALL BOX AT FINISH GRADE IN TURF AREAS AND LEVEL WITH

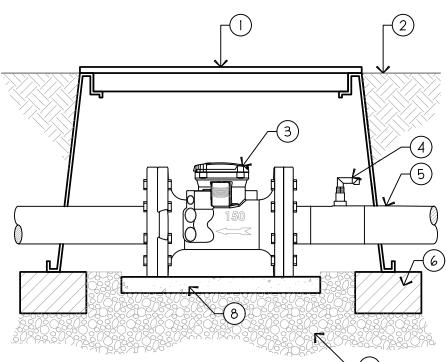
TOP OF MULCH IN PLANTING

- AREAS 3) 18"-30" MAX. DEPTH
- (4) MAX. DEPTH 12"
- (5) IRRIGATION MAIN LINE, SIZE AS PER PLANS
- (6) PVC SCH. 80 TXT ELBOW
- 7 PVC SCH. 80 NIPPLE; LENGTH AS 20 THREADED NIPPLE WITH BUSHING REQUIRED (TYP.)
- (8) PVC SCH. 80 T X T ELL SAME SIZE AS VALVE
- (9) SCH. 80 NIPPLE
- (10) (NOT PICTURED)
- ELECTRIC REMOTE CONTROL VALVE - SEE IRRIGATION LEGEND (12) SCH. 80 NIPPLE ON EITHER SIDE
- OF UNION (13) PVC SCH. 80 UNION
- (14) WATER TIGHT CONNECTORS (3M DBR/Y ONLY)

- (15) PROVIDE 24" EXPANSION LOOP AT EACH WIRE CONNECTOR IN
- (16) SCH. 80 ELBOW WITH SCHED. 80 NIPPLE INTO T X T BUSHING TO LATERAL
- (17) IRRIGATION LATERAL LINE, SIZE AS PER PLANS
- (18) CONTROL WIRES
- (19) 8" MIN. DEPTH- 1/2" WASHED AGGREGATE
- (1) PVC SCH. 80 TEE SXSXS WITH SCH. 80 SXT BUSHING OR DOUBLE STRAP SADDLE OR HARCO SERVICE TEE

- I. ALL FITTINGS AND NIPPLES IN MANIFOLD SHALL BE SCH. 80 THREADED PVC USING TEFLON TAPE.
- 2. VALVE MANIFOLD TO BE INSTALLED GOING AWAY FROM MAIN LINE. MINIMUM OF I FOOT BEFORE CHANGE IN DIRECTION.

- I. AT LEAST TWO (2) PIPE DIAMETERS ARE REQUIRED BOTH UP AND DOWN STREAM BETWEEN FLOWHD AND ANY FITTINGS.
- 2. AT LEAST FIVE (5) PIPE DIAMETERS BETWEEN A PUMP AND THE FLOWHD.
- 3. INSTALL A COMBINATION AIR/VACUUM OR CONTINUOUS ACTING AIR VENT RIGHT BEFORE THE FLOWHD (SEE INSTALLATION INSTRUCTIONS).



(1)14"x19" VALVE BOX

- (2) GRADE LEVEL (3) 2" FLOWHD FLOW
- SENSOR (4) AIR/VACUUM VENT
- (5) 2" PVC PIPE
- (6) BRICK SUPPORT
- (7)1/2" CRUSHED GRAVEL (8) CONCRETE PAVER

# ELECTRIC REMOTE CONTROL VALVE ASSEMBLY



- (2) DRIP CONTROL VALVE PER PLANS
- (3) SCH. 80 UNION
- (4) PRB QUICK-CHECK PRESSURE REDUCING BASKET FILTER (5) INSTALL BOX AT FINISH GRADE (TOP OF MULCH OR
- (6) 6" MIN. DEPTH 1/2" MASHED AGGREGATE
- () CARSON BROOKS VALVE BOX WITH BOLT DOWN LID. SIZE AS NECESSARY TO CONTAIN VALVE, FILTER, AND PRESSURE REGULATOR
- IN SAME BOX. 8) IRRIGATION LATERAL LINE, SIZE AS PER PLANS
- (9) PVC SCH. 80 NIPPLE; LENGTH AS REQUIRED (TYP.) (10) MATER TIGHT CONNECTORS

(SEE SPECS.)

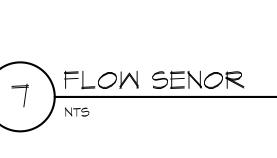
(11) PROVIDE 24" EXPANSION LOOP AT EACH WIRE CONNECTOR IN BOX.

- (12) 90% COMPACTED SUB-GRADE BRICK FOUNDATION OR PRESSURE TREATED WOOD FRAME
- (14) PVC BALL VALVE (PER KIT)

- I. ALL FITTINGS AND NIPPLES IN MANIFOLD SHALL BE SCH. 80 THREADED PVC USING TEFLON TAPE.
- VALVE MANIFOLD TO BE INSTALLED GOING AWAY FROM MAIN LINE. MINIMUM OF I FOOT BEFORE CHANGE

IN DIRECTION.

3. LOCATE ALL VALVE BOXES IN LANDSCAPE AREAS UNLESS OTHERWISE INDICATED.



■ STAMP MICHAEI LWONENBERG NO. **\7456909-5301**/

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■ SHEET TITLE:

■ REVISIONS:

**IRRIGATION** DETAILS

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■ CHECKED BY: ■ JOB NO.:

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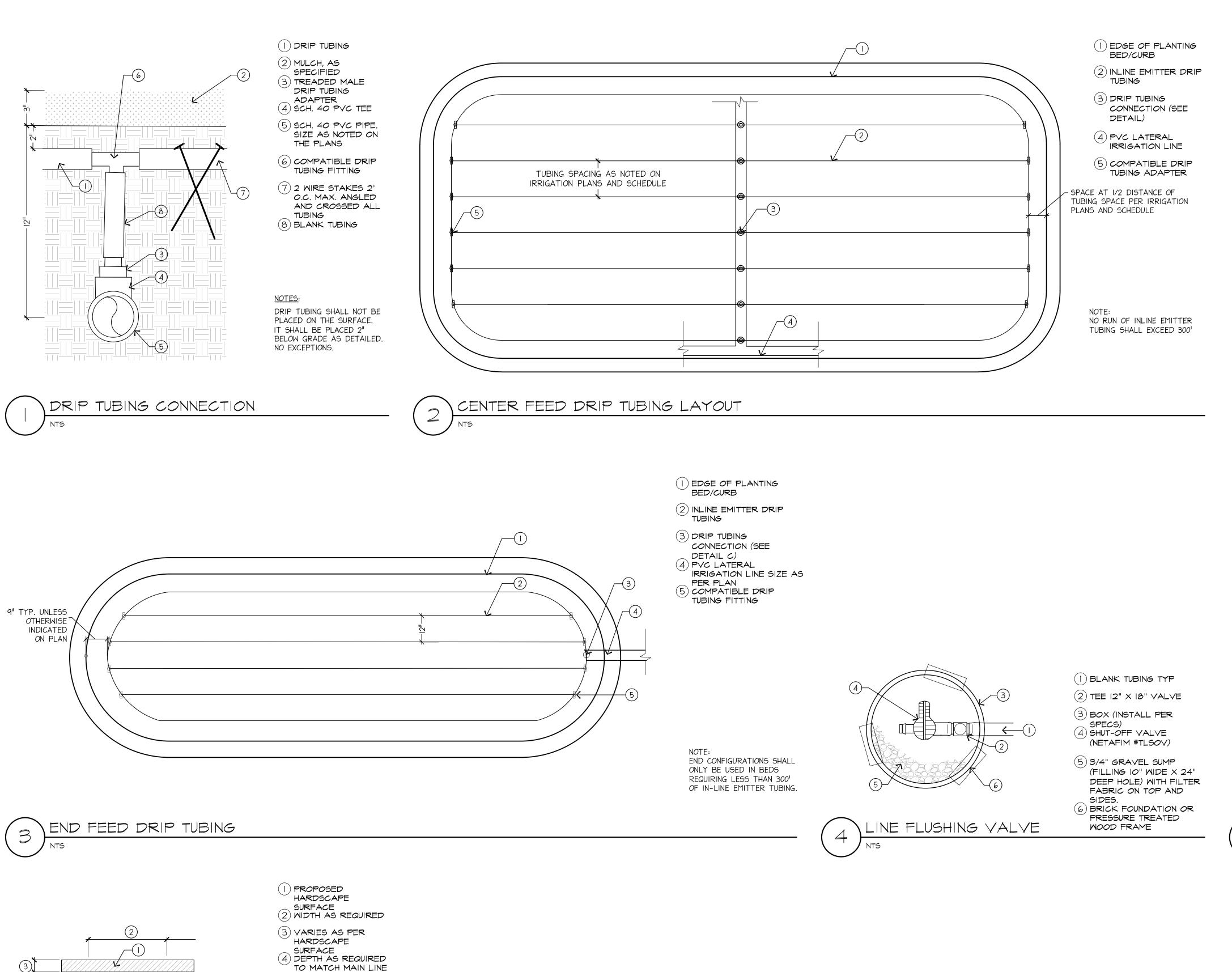
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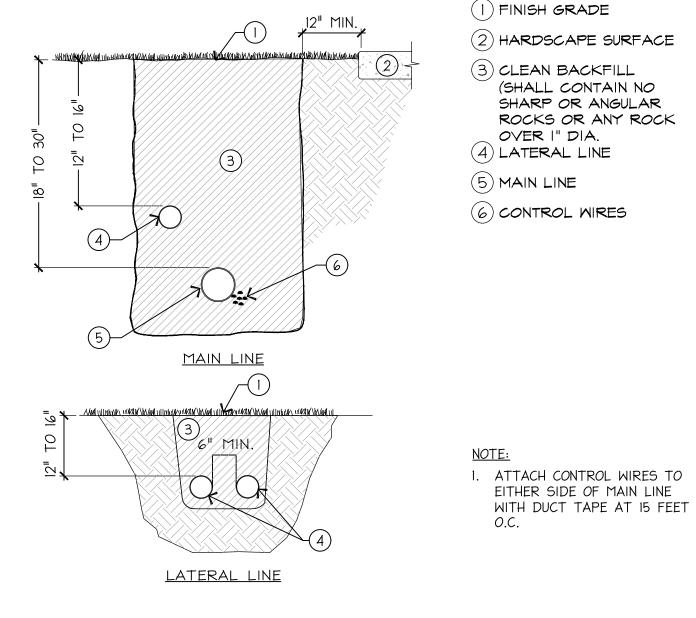
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49)

2" MINIMUM

CLEAR





TRENCHING

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■ JOB NO.:

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SLEEVING NTS

4

(5)

2" MIN. \*\* \* \* \* 2" MIN.

6" MIN. →

(18"-30") OR LATERAL LINE

WIRES (18"-30")

(6) CONTROL WIRES 6"

PER SPECS

(7) MAIN LINE OR

I. ALL SLEEVES SHALL BE

2. ALL SLEEVES SHALL BE A MINIMUM OF 4" AND TWICE THE

SCHEDULE 40 PVC.

5 BACKFILL COMPACTED AT 95%

TO EITHER SIDE IN CONDUCT SLEEVE

LATERAL IN SLEEVE

(8"-16") OR CONTROL

NOMINAL SIZE OF THE PIPE
WITHIN.

3. ALL SLEEVING SHALL
EXTEND A MIN, OF 18" BEYOND
EDGE OF HARDSCAPE.

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