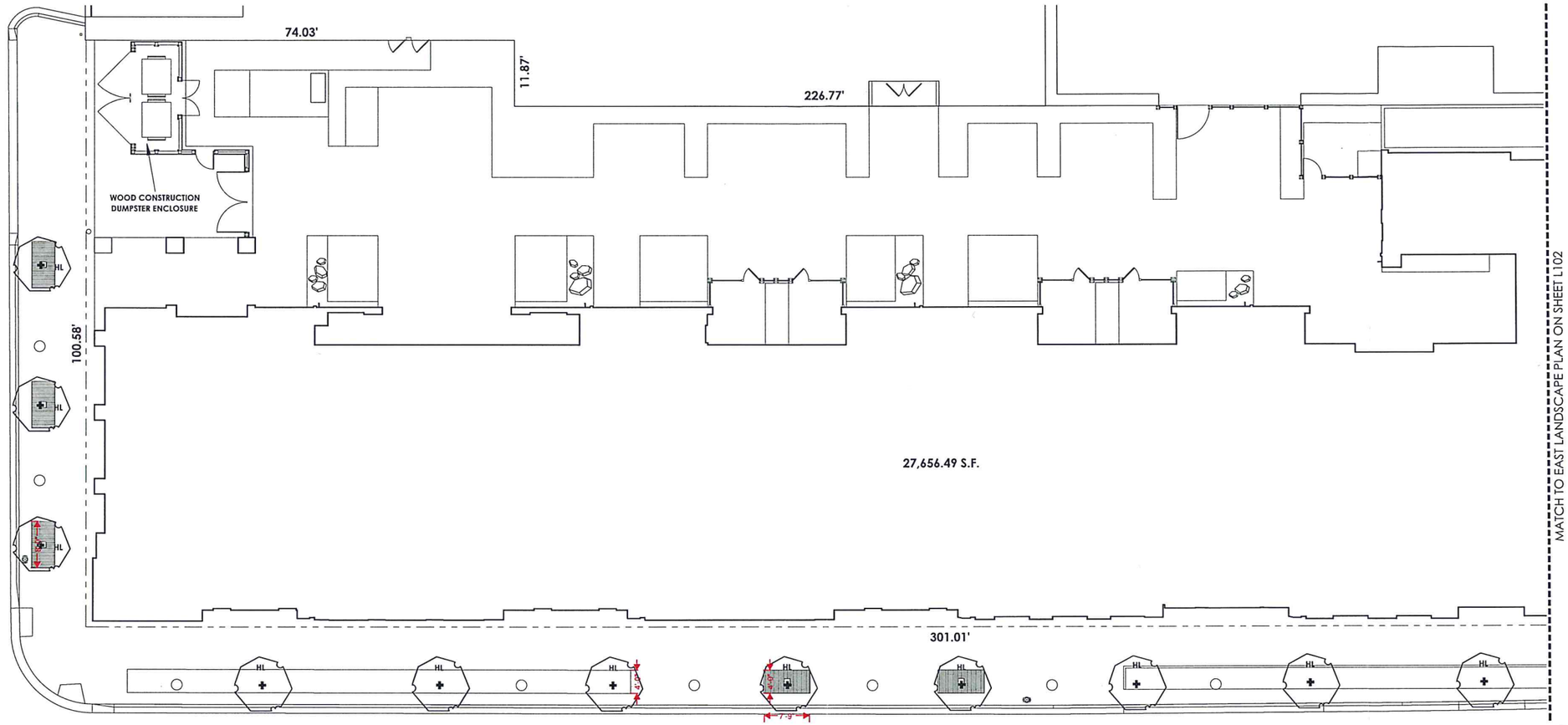
SP2019-030



1 WEST PLANTING PLAN
1/8" = 1'-0"

LANDSCAPING NOTES FOR ALL SHEETS

LANDSCAPE CONTRACTOR SHALL INSPECT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS RELATING TO THE NATURE AND SCOPE OF WORK.

LANDSCAPE CONTRACTOR SHALL VERIFY PLAN LAYOUT AND DIMENSIONS SHOWN AND BRING TO THE ATTENTION OF THE LANDSCAPE ARCHITECT DISCREPANCIES WHICH MAY COMPROMISE THE DESIGN AND/OR INTENT OF THE PROJECTS LAYOUT.

LANDSCAPE CONTRACTOR SHALL REVIEW THE SITE FOR DEFICIENCIES IN THE PLANT MATERIAL SELECTIONS AND OTHER SITE CONDITIONS WHICH MIGHT NEGATIVELY AFFECT PLANT ESTABLISHMENT, SURVIVAL OR WARRANTY. UNDESIRABLE PLANT MATERIAL SELECTIONS OR SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BIDDING. NO PLANT MATERIAL SUBSTITUTIONS WILL BE ACCEPTED UNLESS APPROVAL IS REQUESTED OF THE LANDSCAPE ARCHITECT BY THE LANDSCAPE CONTRACTOR PRIOR TO THE SUBMISSION OF BID AND/OR QUOTATION.

LANDSCAPE CONTRACTOR SHALL ASSURE COMPLIANCE WITH APPLICABLE CODES AND REGULATIONS GOVERNING THE WORK AND/OR MATERIALS SUPPLIED.

LANDSCAPE CONTRACTOR SHALL PROTECT EXISTING ROADS, CURBS/GUTTERS AND SITE ELEMENTS DURING CONSTRUCTION OPERATIONS. DAMAGE TO SAME SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.

LANDSCAPE CONTRACTOR SHALL VERIFY ALIGNMENT AND LOCATION OF UNDERGROUND AND ABOVE GRADE UTILITIES AND PROVIDE THE NECESSARY PROTECTION FOR SAME BEFORE CONSTRUCTION / MATERIAL INSTALLATION BEGINS.

EXISTING CONTOURS, CURB/GUTTER AND OTHER ELEMENTS ARE BASED UPON INFORMATION SUPPLIED TO THE LANDSCAPE ARCHITECT BY OTHERS. LANDSCAPE CONTRACTOR SHALL VERIFY DISCREPANCIES PRIOR TO CONSTRUCTION AND NOTIFY LANDSCAPE ARCHITECT OF SAME.

NO PLANTS WILL BE INSTALLED UNTIL FINAL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.

PROPOSED PLANT MATERIAL SHALL COMPLY WITH THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1. ORNAMENTAL TREES SHALL HAVE NO 'V' CROTCHES AND SHALL BEGIN BRANCHING NO LOWER THAN 3' FEET ABOVE THE ROOT BALL. STREET AND BOULEVARD TREES SHALL BEGIN BRANCHING NO LOWER THAN 6' ABOVE FINISHED GRADE.

LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ONGOING MAINTENANCE OF NEWLY INSTALLED MATERIALS UNTIL TIME OF OWNER ACCEPTANCE. ACTS OF VANDALISM OR DAMAGE WHICH MAY OCCUR PRIOR TO OWNER ACCEPTANCE SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.

LANDSCAPE CONTRACTOR SHALL WARRANTY NEW PLANT MATERIAL THROUGH ONE CALENDAR YEAR FROM THE DATE OF THE OWNER ACCEPTANCE. NO PARTIAL ACCEPTANCE WILL BE CONSIDERED.

AFTER THE INSTALLATION AND PROPER CURING OF CONCRETE, ALL PLANTING BEDS ARE TO BE EXCAVATED TO A DEPTH OF 12" BELOW FINISHED GRADE OF ADJACENT CONCRETE SURFACES. REMOVED SOIL SHALL BE DISPOSED OF OFF SITE. PLANTING BEDS SHALL THEN BE BACKFILLED WITH A PLANTING SOIL MIX.

PLANTING SOIL MIX SHALL CONSIST OF 4 PARTS TOPSOIL, 1 PART PEAT MOSS, AND 1 PART SAND. THOROUGHLY MIX MATERIALS OFF-SITE ENSURING A CONSISTENT MIX. WHILE MIXING, INSTALL A 10-10-10 GRANULAR AND WATER SOLUBLE FERTILIZER AS MANUFACTURED BY MIRACLE-GRO (OR APPROVED EQUAL) AT A RATE OF 1/2 LBS. PER CUBIC YARD OF SOIL, OR AS RECOMMENDED BY MANUFACTURER.

EXCAVATION AND BACKFILL OF SOIL MATERIAL ON SITE SHALL OCCUR ON THE SAME DAY TO ENSURE CONCRETE IS NOT UNDERMINED. IF ALL BEDS CANNOT BE EXCAVATED AND BACKFILLED ON THE SAME WORKING DAY, CONTRACTOR SHALL WORK INCREMENTALLY LEAVING NO OPEN PITS OVER NIGHT. MONITOR WEATHER CONDITIONS TO ENSURING RAIN EVENTS DO NOT UNDERMINE CONCRETE.

PLANTING SOIL MIX SHALL BE LIGHTLY COMPACTED IN PLACE TO AN APPROXIMATE DENSITY OF 85% OF STANDARD PROCTOR DENSITY OR SHOWING ONLY LIGHT IMPRESSIONS WHEN WALKED ACROSS.

ALL PLANTING BEDS TO RECEIVE A 3" - 4" DEPTH OF SHREDDED CEDAR HARDWOOD MULCH INSTALLED OVER BARE SOIL.

AFTER PLACING MULCH, ALL PLANTING BEDS SHALL BE INSTALLED WITH A GRANULAR PRE-EMERGENT WEED CONTROLLER AS MANUFACTURED BY PREEN (OR APPROVED EQUAL). FOLLOW MANUFACTURER'S WRITTEN INSTRUCTIONS ON APPLICATION METHODS AND AMOUNTS. ENSURE PRE-EMERGENT DOES NOT MAKE CONTACT WITH PLANT MATERIAL.

PLAN TAKES PRECEDENCE OVER PLANT SCHEDULE IF DISCREPANCIES IN QUANTITIES EXIST. DETAILS TAKE PRECEDENCE OVER NOTES.

ADJUSTMENTS IN LOCATION OF PROPOSED PLANT MATERIALS MAY BE NEEDED IN THE FIELD. LANDSCAPE ARCHITECT MUST BE NOTIFIED PRIOR TO ADJUSTMENT OF PLANTS.

LANDSCAPE CONTRACTOR SHALL COORDINATE THE PHASES OF CONSTRUCTION AND PLANTING INSTALLATION WITH OTHER CONTRACTORS WORKING ON SITE.

LANDSCAPE CONTRACTOR SHALL PREPARE AND SUBMIT A WRITTEN REQUEST FOR THE OWNER ACCEPTANCE INSPECTION OF LANDSCAPE AND SITE IMPROVEMENTS PRIOR TO SUBMITTING FINAL PAY REQUEST.

LANDSCAPE CONTRACTOR SHALL ASSURE COMPLIANCE WITH APPLICABLE CODES AND REGULATIONS GOVERNING THE WORK AND/OR MATERIALS SUPPLIED.

LANDSCAPE CONTRACTOR SHALL PREPARE AND SUBMIT REPRODUCIBLE AS-BUILT DRAWING(S) OF LANDSCAPE INSTALLATION, IRRIGATION AND SITE IMPROVEMENTS UPON COMPLETION OF CONSTRUCTION INSTALLATION AND PRIOR TO PROJECT ACCEPTANCE.

LANDSCAPE CONTRACTOR SHALL PREPARE AND SUBMIT A WRITTEN REQUEST FOR THE OWNER ACCEPTANCE INSPECTION OF LANDSCAPE AND SITE IMPROVEMENTS PRIOR TO SUBMITTING FINAL PAY REQUEST.

LANDSCAPE CONTRACTOR SHALL REVIEW THE SITE FOR DEFICIENCIES IN THE PLANT MATERIAL SELECTIONS AND OTHER SITE CONDITIONS WHICH MIGHT NEGATIVELY AFFECT PLANT ESTABLISHMENT, SURVIVAL OR WARRANTY. UNDESIRABLE PLANT MATERIAL SELECTIONS OR SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING OF WORK.

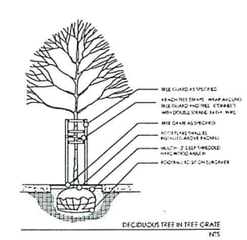
LANDSCAPE CONTRACTOR SHALL VERIFY PLAN LAYOUT AND DIMENSIONS SHOWN AND BRING TO THE ATTENTION OF THE LANDSCAPE ARCHITECT DISCREPANCIES WHICH MAY COMPROMISE THE DESIGN AND/OR INTENT OF THE PROJECTS LAYOUT.

PLANT PALETTE

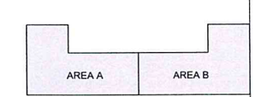
SYM.	COMMON NAME	SCIENTIFIC NAME	SIZE	QNTY.
HL	SKYLINE HONEY LOCUST	*Gleditsia triacanthos f. inermis 'Skyline'*	3" Cal.	15

APPROVED BY FORESTRY
LANDSCAPE 7-18-19
TITLE DATE

APPROVED BY PLANNING
PLANNER 7/18/19
TITLE DATE



DECIDUOUS TREE IN TREE GRATE
N.T.S.



SCALE: 1/8" = 1'-0"
0' 4' 8' 16'

N

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axtman + associates, pc
landscape architecture | planning

OWNER
DENIZEN PARTNERS PLLC
21 S 12th Street
Bismarck, ND 58504
Contact: David Witham
admin@denizendev.com
(710) 989-5943

ARCHITECT
ZW Design Studio
2404 East Broadway Ave Ste. D
Bismarck, ND 58501
Contact: Lyle Witham
(701) 391-9530 lyle@zwdesign.com
Contact: Jacob Zikmund
(701) 520-9752 jacob@zwdesign.com

LANDSCAPE ARCHITECT
Axtman Associates
400 East Broadway Ave Ste. 304
Bismarck, ND 58501
Contact: Jake Axtman
jake@axtmanassociates.com
(701) 220-5659

CIVIL ENGINEER
Mountain Plains, LLC
1300 Tacoma Avenue, Suite A
Bismarck, ND 58504
Contact: Brian Zuroff
bzuroff@mtnplains.com
(701) 557-3348

STRUCTURAL ENGINEER
CW Structural Engineers
1000 E. Calgary Avenue Ste. 2
Bismarck, ND 58504
Contact: Chris Wentz
chriswentz@cwstructural.net
(701) 221-3286

MECHANICAL ENGINEER
JPK Engineering
112 North University Drive, Suite 140
Fargo, ND 58102
Contact: Jamie Kronbeck
jamie@jpkengineeringllc.com
(701) 532-1788

ELECTRICAL ENGINEER
Apex Engineering
600 South 2nd Street Ste. 145
Bismarck, ND 58504
Contact: John Klein
john.klein@apexenggroup.com
(701) 323-3961

I hereby certify that this plan specification, or report was prepared by me or under my direct supervision, and that I am a duly Registered Landscape Architect under the laws of the State of North Dakota.
JACOB L. AXTMAN, ASLA
Date 04-25-19 Ref. No. 35

THIS DOCUMENT WAS ORIGINALLY SEALED BY JACOB L. AXTMAN, PLA AND THE ORIGINAL DOCUMENT IS STORED AT THE OFFICE OF AXTMAN + ASSOCIATES, PC.

REVISION / ISSUE	DATE

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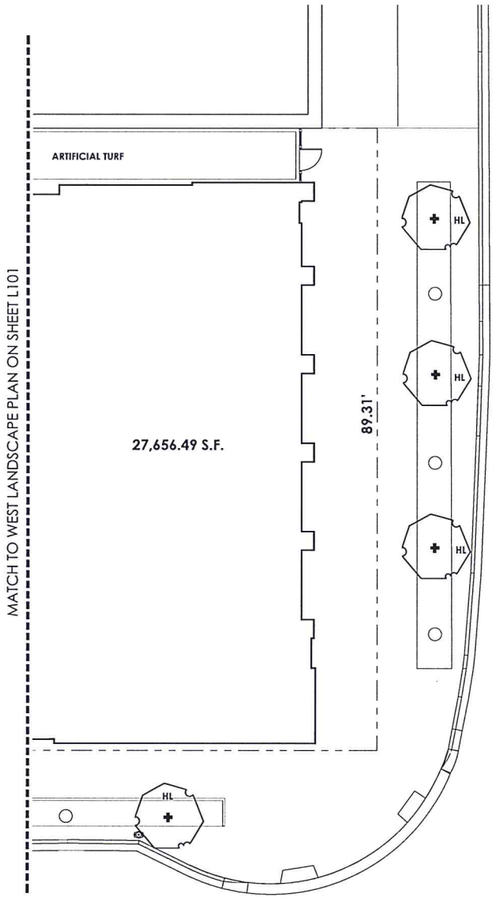
DRAWN	JLA
CHECKED	JLA

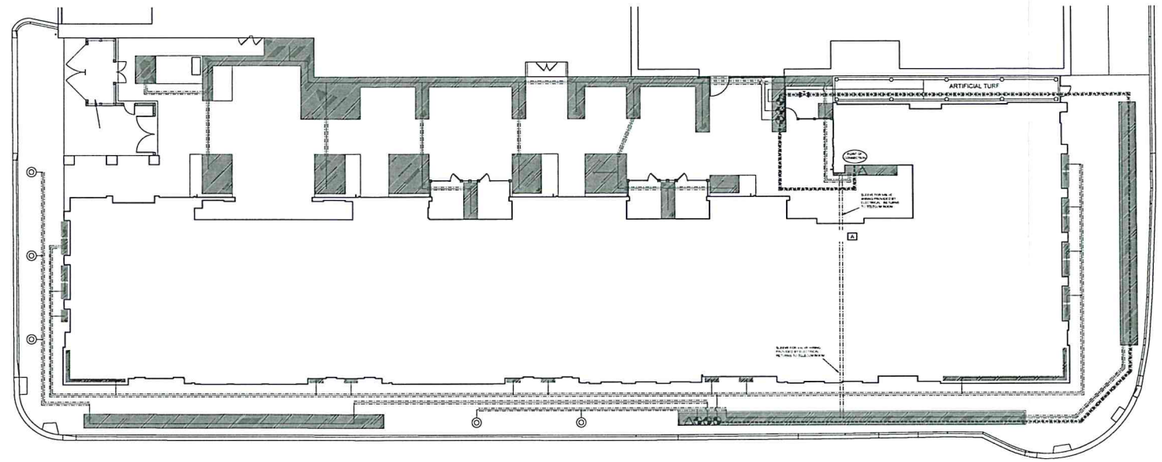
project title
630 Main Ave

sheet title:
West Planting Plan

sheet number:
L101



1 EAST PLANTING PLAN
1/8" = 1'-0"



2 IRRIGATION PLAN
1/16" = 1'-0"

GENERAL IRRIGATION NOTES FOR ALL SHEETS

CONTRACTOR SHALL DESIGN AND PROVIDE A PRICE FOR AN IRRIGATION SYSTEM ON THIS SITE BASED ON THE FOLLOWING PERFORMANCE SPECIFICATIONS AND PROVIDED PLANS.

PROVIDED PLAN IS DIAGRAMMATICAL IN NATURE. LINES AND IRRIGATION COMPONENTS MAY BE DRAWN IN LOCATIONS THAT PROVIDE THE MOST GRAPHIC CLARITY.

THE IRRIGATION CONTROL CLOCK SHALL BE INSTALLED IN THE TELECOM ROOM. ELECTRICAL HAS PROVIDED 2 SLEEVES TO BE USED FOR ZONE VALVE WIRES.

MECHANICAL CONTRACTOR WILL PROVIDE AND INSTALL A 1.5" RPZ VALVE AND STUB-OUT WHERE INDICATED ON PLANS. IRRIGATION CONTRACTOR SHALL MAKE CONNECTION TO WATER LINE AFTER THE RPZ VALVE, WHERE STUB-OUT IS LOCATED. IRRIGATION CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR FOR THE INSTALLATION OF NECESSARY BLEEDER VALVES AND OTHER ACCESSORIES REQUIRED FOR WINTERIZATION OPERATIONS.

ALL IRRIGATION MAINLINES SHALL BE CLASS 160 PVC PIPE BURIED TO A DEPTH OF AT LEAST 18". ALL IRRIGATION LATERAL LINES SHALL BE #100 POLYETHYLENE TUBING INSTALLED TO A DEPTH OF AT LEAST 12". WHEREVER IRRIGATION LINES ARE RAN BENEATH PAVING, SIDEWALKS, OR OTHER PERMANENT HARD SURFACING, THEY SHALL BE INSTALLED INSIDE OF CLASS 35 PVC CONDUITS. CONDUITS SHALL BE INSTALLED A MINIMUM OF 6" OUTSIDE OF THE HARD SURFACING.

IRRIGATION POP-UP MISTERS SHALL BE RAINBIRD 1804S OR OTHER APPROVED EQUAL. MISTERS SHALL BE INSTALLED WITH RAINBIRD MPR NOZZLES WITH STRIP SPRAYS. MISTERS SHALL BE SPACED TO ENSURE 100% HEAD TO HEAD COVERAGE. OVERSPRAY SHALL BE MINIMIZED ONTO PAVEMENT, SIDEWALKS, AND BUILDINGS. ALL IRRIGATION HEADS SHALL BE INSTALLED ON SWING PIPES ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

ALL PLANTING BEDS AND PLANTERS SHALL BE INSTALLED WITH RAINBIRD LANDSCAPE DRIPLINE XFD-09-12 OR APPROVED EQUAL. LANDSCAPE DRIPLINE SHALL BE SECURED TO THE GROUND USING 4" LANDSCAPE STAPLES INSTALLED A MINIMUM OF EVERY 6' ALONG THE LENGTH OF THE PIPE.

IRRIGATION ZONE VALVES FOR MISTERS SHALL BE RAINBIRD PEB ZONE VALVES OR APPROVED EQUAL. IRRIGATION ZONE VALVES FOR LANDSCAPE DRIPLINE SHALL BE XCZ SERIES VALVES OR APPROVED EQUAL. A MINIMUM OF 2 QUICK COUPLERS SHALL BE INSTALLED ON THE MAINLINE FOR WINTERIZATION. QUICK COUPLER VALVES SHALL BE AS MANUFACTURED BY RAINBIRD OR OTHER APPROVED MANUFACTURER. ALL VALVES SHALL BE INSTALLED INSIDE OF APPROPRIATELY SIZED ZONE VALVE BOXES AS MANUFACTURED BY NDS OR OTHER APPROVED MANUFACTURER.

A FERTILIZER INJECTOR SHALL BE INSTALLED ON THE SPRAY HEAD ZONE FOR THE DOG RUN. THIS FERTILIZER INJECTOR SHALL BE USED FOR ENZYME CLEANER ON THE ARTIFICIAL TURF. FERTILIZER INJECTOR SHALL BE EZ003-CX AS MANUFACTURED BY EZ FLO FERTILIZER INJECTORS.

CONTRACTOR TO PROVIDE OWNER WITH 4 GALLONS OF PE-51 ENZYME CLEANER FOR USE IN THE FERTILIZER INJECTOR SYSTEM. FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS ON APPLICATION RATES AND TIMES.

WWW.URINEOODORS.PET
ORDERS@URINEOODORS.PET
DOG TURF PRODUCTS
HESPERIA, CALIFORNIA 9234

A CONTROL CLOCK SHALL BE INSTALLED INSIDE OF THE BUILDING IN THE TELECOM ROOM. CONTROL CLOCK SHALL BE A RAINBIRD ESP MODEL CONTROLLER. CONTROL CLOCK SHALL HAVE A MINIMUM OF 4 UNUSED ZONES IN THE EVENT THAT THE IRRIGATION SYSTEM IS ADDED ONTO IN THE FUTURE.

IRRIGATION CONTRACTOR SHALL PROGRAM THE CLOCK TO PROVIDE A MINIMUM OF 1" OF MOISTURE IN 7 DAYS WITHIN THE IRRIGATION LIMITS. AFTER PROGRAMMING, IRRIGATION CONTRACTOR SHALL TRAIN THE OWNER IN THE CORRECT OPERATIONAL PROCEDURES OF THE SYSTEM. FINAL ACCEPTANCE WILL NOT OCCUR UNTIL THIS HAS HAPPENED.

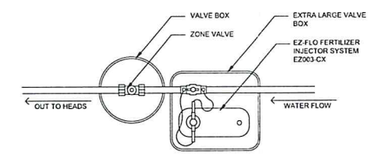
IRRIGATION CONTRACTOR SHALL PROVIDE A LAMINATED AND WATER PROOF COPY OF AN AS BUILT DRAWING OF THE IRRIGATION SYSTEM FOR THE OWNER'S REFERENCE. THIS AS-BUILT DRAWING SHALL SHOW THE FINAL INSTALLED LOCATION OF ALL IRRIGATION LINES, LINE SIZES, ZONE VALVES, HEADS, AND OTHER MISCELLANEOUS COMPONENTS. ZONE VALVES SHALL BE LABELED WITH THE CORRECT ZONE NUMBER AS PROGRAMMED IN THE CONTROL CLOCK.

IRRIGATION CONTRACTOR SHALL INCLUDE THE FIRST YEARS WINTERIZATION IN THE COST OF THE PROJECT. IRRIGATION CONTRACTOR SHALL CONTACT THE OWNER BEFORE WINTERIZATION OCCURS TO PROPERLY EDUCATE THE OWNER ON THE CORRECT PROCEDURES TO FOLLOW DURING WINTERIZATION.

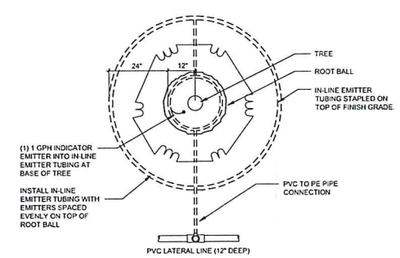
IRRIGATION CONTRACTOR SHALL FOLLOW ALL RECOMMENDED PRACTICES AS SET FORTH BY THE MANUFACTURER'S SPECIFICATIONS AND THE IRRIGATION ASSOCIATION.

IRRIGATION LEGEND

- A — CONTROLLER: RAINBIRD - ESP-LXD
- ZONE VALVE: RAINBIRD - 150-PEB-PRS-D INCLUDE FERTILIZER INJECTOR - SEE DETAIL & NOTES
- DRIP VALVE: RAINBIRD - XCZ-100-PRB-LC
- ISOLATION VALVE
- QUICK COUPLER VALVE: RAINBIRD - 44-RC
- SPRAYS: RAINBIRD 1804 - MPR NOZZLES - STRIP SPRAYS
- PLANTING BED DRIP TUBING: RAINBIRD XFD-09-12
- STREET TREE DRIP TUBING RING: RAINBIRD XFD-09-12
- LATERAL LINE: #100 POLYETHYLENE TUBING
- MAINLINE: 1.5" PVC SCHEDULE 40
- PIPE SLEEVING



3 FERTILIZER INJECTOR DETAIL
NTS



4 STREET TREE DRIP IRRIGATION DETAIL
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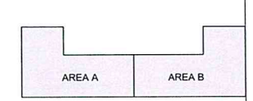

SCALE: 1/16" = 1'-0"
0' 8' 16' 32'
N

ZW DESIGN STUDIO

axtman + associates, pc
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OWNER
DENIZEN PARTNERS PLLC
21 S 12th Street
Bismarck, ND 58504
Contact: David Witham
admin@denizendev.com
(710) 589-5943

ARCHITECT
ZW Design Studio
2404 East Broadway Ave Ste. D
Bismarck, ND 58501
Contact: Lyle Witham
(701) 391-9530 lyle@zwdesign.com
Contact: Jacob Zimmund
(701) 520-9752 jacob@zwdesign.com

LANDSCAPE ARCHITECT
Axtman Associates
400 East Broadway Ave Ste. 304
Bismarck, ND 58501
Contact: Jake Axtman
jake@axtmanassociates.com
(701) 220-5659

CIVIL ENGINEER
Mountain Plains, LLC
1300 Tacoma Avenue, Suite A
Bismarck, ND 58504
Contact: Brian Zuroff
bzuroff@mtnplains.com
(701) 557-3348

STRUCTURAL ENGINEER
CW Structural Engineers
1000 E. Calgary Avenue Ste. 2
Bismarck, ND 58504
Contact: Chris Wentz
chriswentz@cwstructural.net
(701) 221-3286

MECHANICAL ENGINEER
JPK Engineering
112 North University Drive, Suite 140
Fargo, ND 58102
Contact: Jamie Kronbeck
jamie@jpkengineeringllc.com
(701) 532-1788

ELECTRICAL ENGINEER
Apex Engineering
600 South 2nd Street Ste. 145
Bismarck, ND 58504
Contact: John Klein
john.klein@apexenggroup.com
(701) 323-3961

I hereby certify that this plan specification, or report was prepared by me or under my direct supervision, and that I am a duly Registered Landscape Architect under the laws of the State of North Dakota.

JACOB L. AXTMAN, ASLA
Date 04-25-19 Ref. No. 35

THIS DOCUMENT WAS ORIGINALLY SEALED BY JACOB L. AXTMAN, PLA AND THE ORIGINAL DOCUMENT IS STORED AT THE OFFICE OF AXTMAN + ASSOCIATES, PC

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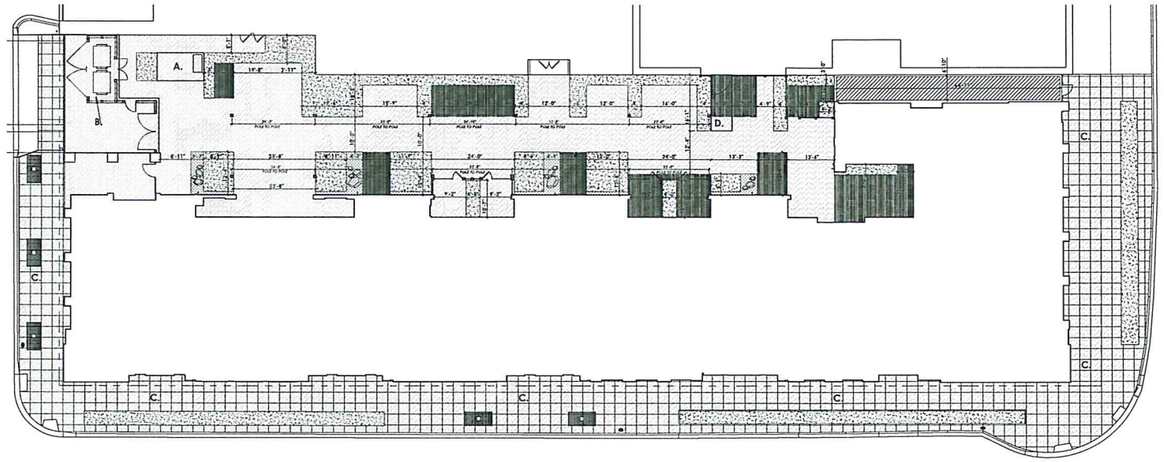
DRAWN	JLA
CHECKED	JLA

project title
630 Main Ave

sheet title:
Irrigation & East Planting Plan

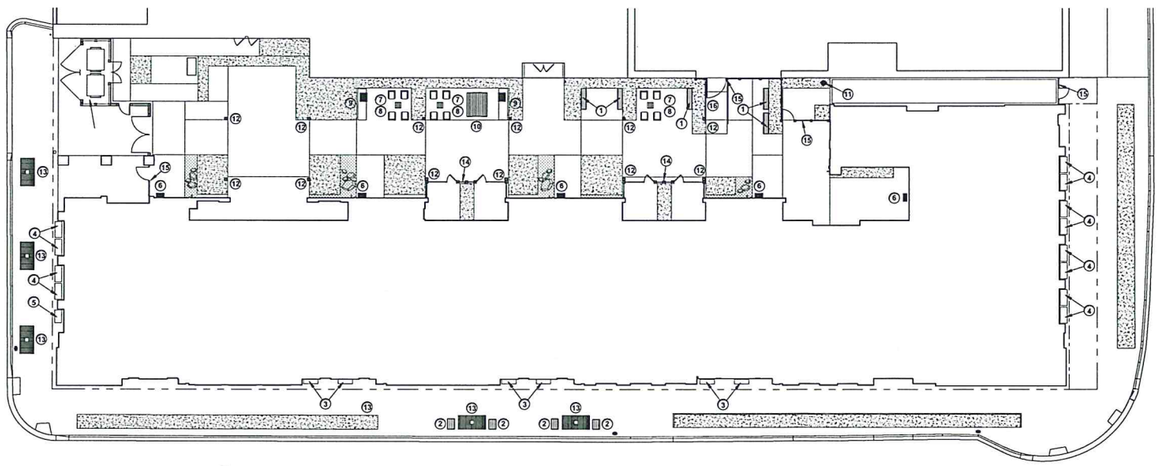
sheet number:
L102



1 MATERIALS & DIMENSION PLAN
1/16" = 1'-0"

MATERIALS & DIMENSIONS LEGEND

- TYPE 1 CONCRETE
- TYPE 2 CONCRETE
- WOOD MULCH
- ARTIFICIAL TURF
- DRESSER TRAP ROCK MULCH
- TREE GRATE - SEE SITE FURNISHINGS
- CATENARY POLE
- DRESSER TRAP BOULDER



2 SITE FURNISHINGS PLAN
1/16" = 1'-0"

SITE FURNISHINGS LEGEND

1. BENCH TYPE 1
2. BENCH TYPE 2
3. PLANTER TYPE 1
4. PLANTER TYPE 2
5. PLANTER TYPE 3
6. TRASH RECEPTACLE
7. LOUNGE CHAIR
8. STOOL
9. CUSTOM GRILL ISLAND
10. PICNIC TABLE & BENCHES
11. DOGI POT PET STATION
12. CATENARY POLE
13. TREE GRATE
14. FENCE TYPE 1 (SEE SHEET L105)
15. FENCE TYPE 2 (SEE SHEET L105)
16. ADA RAMP & 2 RAILINGS (SEE SHEET L105)

ARTIFICIAL TURF NOTES

CONTRACTOR TO PROVIDE AND INSTALL ALL MATERIALS NECESSARY FOR AN ARTFCIAL TURF DOG RUN.

ARTIFICIAL TURF SHALL BE KRGRASS CLASSIC AS MANUFACTURED BY:

FORSVERLAWN
FORTVERLAWN HOME OFFICE
8007 BEECH ST.
LOUISVILLE, OH 44641
866.992.7876
WWW.KRGRASS.COM

ARTIFICIAL TURF INSTALLER MUST BE PRE-APPROVED BY MANUFACTURER AND/OR SHALL HAVE INSTALLED A MINIMUM OF 6 OTHER PROJECTS OF SIMILAR SIZE AND NATURE.

REFER TO DETAILS AND MANUFACTURER'S SPECIFICATIONS FOR ARTIFICIAL TURF INSTALLATION. ARTIFICIAL TURF SHALL BE INSTALLED OVER A 6-12" DEPTH OF 3/4" CRUSHED DRAINAGE AGGREGATE INSTALLED OVER BARE SOIL. DRAINAGE AGGREGATE SHALL BE COMPACTED TO A STANDARD DENSITY RECOMMENDED BY TURF MANUFACTURER. ENTIRE PERIMETER OF ARTIFICIAL TURF AREA SHALL BE INSTALLED WITH 6"X6" (MIN.) POURED-IN-PLACE CONCRETE CURBING WITH BROOM FINISH. CONCRETE SHALL CONFORM TO MIX SPECIFICATIONS FOR STANDARD CONCRETE SIDEWALK. A 2"x4" PLASTIC LUMBER NAILER STRIP SHALL BE ATTACHED TO THE CONCRETE CURBING ACCORDING TO DETAILS PROVIDED. NAILER STRIP SHALL BE ATTACHED USING AN APPROVED CONCRETE ANCHOR EVERY 3' ON CENTER. INSTALL NAILER STRIP APPROXIMATELY 3/8" LOWER THAN THE TOP OF THE CONCRETE CURBING TO RECEIVE ARTIFICIAL TURF. FOLLOW MANUFACTURER'S WRITTEN INSTRUCTIONS FOR INSTALLATION OF ARTIFICIAL TURF OVER DRAINAGE AGGREGATE AND NAILER STRIP.

A DRAINAGE PIPE CONNECTED TO THE STORM SEWER SYSTEM IS TO BE INSTALLED RUNNING ALONG THE CENTER OF THE ARTIFICIAL TURF DOG RUN. REFER TO CIVIL ENGINEERING DRAWINGS FOR THESE DETAILS AND SPECIFICATIONS. COORDINATE INSTALLATION OF THIS DRAINAGE PIPE WITH THE INSTALLATION OF THE ARTFICIAL TURF.

IRRIGATION SPRAY HEADS ARE TO BE INSTALLED IN THE ARTFICIAL TURF DOG RUN. SPRAY HEAD ZONE IS TO BE INSTALLED WITH A FERTILIZER INJECTOR SYSTEM TO BE USED FOR THE APPLICATION OF AN ENZYME CLEANER FOR PET WASTE. COORDINATE THE INSTALLATION OF THE IRRIGATION WITH THE INSTALLATION OF THE ARTFICIAL TURF. IT WILL BE NECESSARY TO INSTALL THE IRRIGATION SYSTEM DURING THE COURSE OF BACKFILLING AND COMPACTING DRAINAGE AGGREGATE.

MANUFACTURER AGREES TO REPAIR OR REPLACE SYNTHETIC GRASS SURFACING THAT FAILS IN MATERIALS OR WORKMANSHIP FOR A PERIOD OF NOT LESS THAN 5 YEARS.

CONTRACTOR TO PROVIDE 4 GALLONS OF PE-51 ENZYME DEODORIZER & CLEANER TO BE USED IN THE IRRIGATION SYSTEM FOR REGULAR CLEANING OPERATION. ENZYME CLEANER SHALL BE AS MANUFACTURED BY:

WWW.URINEODORS.PET
ORDERS@URINEODORS.PET
DOG TURF PRODUCTS
HESPERIA, CALIFORNIA 92345

CONCRETE NOTES

REFER TO CIVIL ENGINEERING PLANS, NOTES AND SPECIFICATIONS FOR CONCRETE MIX DESIGNS, REINFORCING, AND OTHER DETAILS.

TWO TYPES OF CONCRETE ARE DEPICTED IN THE INTERIOR HARDSCAPE. TYPE 1 CONCRETE SHALL BE A TYPICAL CONCRETE SIDEWALK CONFORMING TO THE CIVIL ENGINEERS SPECIFICATIONS FOR A BROOM FINISH CONCRETE. TYPE 2 CONCRETE SHALL CONFORM TO CIVIL ENGINEERS SPECIFICATIONS FOR BROOM FINISH CONCRETE, EXCEPT WHERE MODIFIED HEREIN. CONTRACTOR TO INCLUDE A LIQUID COLOR ADMIXTURE. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR MIXTURE

COLOR: C-24 CHARCOAL
SCOFIELD LIQUID CHROMIX ADMIXTURE
WWW.SCOFIELD.COM

TYPE 2 CONCRETE SHALL BE SEALED USING A CLEAR WATER-BASED SEALANT COMPATIBLE WITH AND APPROVED BY INTEGRAL COLOR MANUFACTURER. FOLLOW MANUFACTURER'S RECOMMENDATIONS ON APPLICATION RATES AND METHODS.

CONTRACTOR SHALL PROVIDE MATERIALS FOR AND INSTALL A 4'X4' MOCKUP FOR TYPE 2 CONCRETE FOR OWNER'S REVIEW AND APPROVAL. MOCKUP SHALL INCLUDE AND FULLY DEMONSTRATE TYPICAL JOINTING METHODS TO BE USED ON THE PROJECT. MOCKUP SHALL BE INSTALLED A MINIMUM OF 45 DAYS PRIOR TO THE INSTALLATION OF THE CONCRETE ON THE PROJECT SITE. MOCKUP MAY BE POURED OFF-SITE AS LONG AS IT IS WITHIN A 10 MILE RADIUS OF THE PROJECT SITE. CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE AND DISPOSE OF CONCRETE USED IN MOCKUP-UP AFTER APPROVAL.

CONCRETE HIGHLIGHTED AND LABELED 'A' IS A SLAB FOR AN ELECTRICAL TRANSFORMER. REFER TO ELECTRICAL PLANS AND DETAILS FOR THIS SLAB.

CONCRETE HIGHLIGHTED AND LABELED 'B' IS A SLAB FOR A DUMPSTER ENCLOSURE. REFER TO CIVIL PLANS AND DETAILS FOR THIS SLAB.

CONCRETE LABELED 'C' THAT IS IN THE PUBLIC RIGHT OF WAY IS TO BE INSTALLED UNDER A SEPARATE CONTRACT BY OTHERS. COORDINATE THIS WORK AS NECESSARY.

CONCRETE HIGHLIGHTED AND LABELED 'D' IS AN ADA RAMP. IT WILL BE NECESSARY TO INSTALL A THICKENED EDGE ALONG THE EAST SIDE OF THE ADA RAMP. SEE SHEET L105 FOR DETAILS.

FENCING & ADA RAILING NOTES

CONTRACTOR TO PROVIDE AND INSTALL 2 TYPES OF ALUMINUM FENCING AS MANUFACTURED BY:

ALUMI-GUARD
2401 CORPORATE BLVD
BROOKSVILLE, FL
34604

TYPE 1 FENCING SHALL BE: ASCOT ROYALE, 2-CHANNEL, 36" INDUSTRIAL, FLUSH BOTTOM, WITH 4X4 POSTS. COLOR IS TO BE BLACK. CONTRACTOR TO PROVIDE AND INSTALL 36" GATES WHERE DEPICTED ON THE PLANS. GATES SHALL BE AS PRE-MANUFACTURED BY FENCING MANUFACTURER.

TYPE 2 FENCING SHALL BE: BELMONT, 4 CHANNEL, 96" INDUSTRIAL, FLUSH BOTTOM, WITH 4X4 POSTS. COLOR IS TO BE BLACK. CONTRACTOR TO PROVIDE AND INSTALL GATES WHERE DEPICTED ON THE PLANS. GATES SHALL BE AS PRE-MANUFACTURED BY FENCING MANUFACTURER.

POSTS FOR TYPE 1 FENCING SHALL BE SURFACE MOUNTED TO CONCRETE FOLLOWING MANUFACTURER'S SPECIFICATIONS. SURFACE MOUNT FLANGE AND HARDWARE SHALL BE AS PROVIDED BY MANUFACTURER.

POSTS FOR TYPE 2 FENCING SHALL BE CAST IN CONCRETE PIER FOOTINGS. FOLLOW MANUFACTURER'S SPECIFICATIONS FOR FOOTING DEPTH AND DESIGN. IF MANUFACTURER RECOMMENDS FOOTINGS BE DESIGNED BY AN ENGINEER, CONTRACTOR SHALL PROVIDE ENGINEERING DESIGN AS PART OF THE BID PRICE FOR FENCING. CONCRETE MIX DESIGN FOR FOOTINGS SHALL BE AS PER MANUFACTURER'S SPECIFICATIONS, IF AVAILABLE. OR SHALL MATCH MIX DESIGN OF STANDARD CONCRETE SIDEWALK.

ALL INSTALLATION SHALL CONFORM TO THE MANUFACTURER'S STANDARD SPECIFICATIONS. FENCING AND GATES SHALL BE INSTALLED LEVEL AND PLUMB. ALL HARDWARE USED FOR INSTALLATION SHALL BE AS PROVIDED BY MANUFACTURER OR AS RECOMMENDED BY MANUFACTURER.

GATES FOR TYPE 1 FENCING SHALL BE FITTED WITH STANDARD MANUFACTURER PROVIDED LOCKING MECHANISMS AND HARDWARE.

GATES FOR TYPE 2 FENCING SHALL BE FITTED WITH LOCKING MECHANISMS AND HARDWARE. REFER TO ELECTRICAL PLANS AND SPECIFICATIONS.

REFER TO SHEET L105 FOR FENCING DETAILS AND DIMENSIONS.

ADA RAILING SHALL BE A 1.5" SQUARE STEEL TUBING. FABRICATOR SHALL TAKE FIELD MEASUREMENTS AFTER CONCRETE HAS BEEN POURED. CONTRACTOR SHALL ENSURE RAILING AND INSTALLATION CONFORM TO ALL APPLICABLE ADA REQUIREMENTS. STEEL TUBING MATERIALS FOR ADA RAILINGS SHALL CONFORM TO THE SAME SPECIFICATIONS FOR STEEL MATERIALS, FABRICATION STANDARDS, FINISHES AND OTHER STANDARDS AS THE TUBING USED FOR THE DUMPSTER ENCLOSURES AND CANTENARY LIGHT POLES. REFER TO SPECIFICATIONS.

SITE FURNISHINGS NOTES FOR ALL SHEETS

CONTRACTOR TO PROVIDE AND INSTALL SITE FURNISHINGS PER PLAN. ANY SITE FURNISHINGS THAT ARE TO BE ANCHORED IN PLACE MUST HAVE POSITIONS REVIEWED AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. IT IS POSSIBLE THAT SITE FURNISHING POSITIONS WILL CHANGE FROM WHAT IS INDICATED ON THE PLANS.

CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ASSEMBLY, INSTALLATION, TOUCH-UP PAINTING, AND ANY OTHER NECESSARY WORK RELATED TO THE INSTALLATION OF SITE FURNISHINGS. FOLLOW ALL MANUFACTURER'S INSTRUCTIONS.

ALL FREE-STANDING PLANTERS ARE TO BE INSTALLED WITH DRAINAGE AGGREGATE, SOIL SEPARATOR FABRIC AND TOPSOIL MIX PER DETAILS PROVIDED. EACH PLANTER HAS A PERFORATION FOR IRRIGATION DISTRIBUTION TUBING. AFTER INSTALLING TUBING, CAULK THE GAP BETWEEN THE TUBING AND THE PLANTER PERFORATION USING A 100% CLEAR SILICON CAULKING. 2" WEEP HOLES SHALL REMAIN FREE DRAINING. LANDSCAPE ARCHITECT SHALL APPROVE THE POSITION OF ALL FREE-STANDING PLANTERS PRIOR TO BACKFILLING.

CONTRACTOR SHALL DISPOSE OF ALL PACKING MATERIAL OFFSITE. PROVIDE ANY ADDITIONAL HARDWARE, MANUFACTURER'S WRITTEN WARRANTEES AND INSTRUCTIONS TO OWNER PRIOR TO FINAL ACCEPTANCE.

BENCHES, PLANTERS, TRASH RECEPTACLES, LOUNGE CHAIRS, PICNIC TABLES, CUSTOM GRILL STATIONS AND STOOLS SHALL BE MANUFACTURED BY:

SITE PIECES
PO BOX 16970
DENVER, CO 80216
720-665-5251
HELLO@SITEPIECES.COM

PROVIDE SHOP DRAWINGS OF BENCHES, PLANTERS, TRASH RECEPTACLES, LOUNGE CHAIRS, PICNIC TABLES AND STOOLS PRIOR TO FABRICATION FOR APPROVAL BY PROJECT ARCHITECT. PROVIDE MATERIAL SAMPLES FOR COLORED FINISHES AND WOOD PRODUCTS.

CONTRACTOR TO PROVIDE A STANDARD 20 GALLON PROPANE TANK, FULLY FILLED WITH PROPANE, FOR EACH GRILL.

PET WASTE STATION SHALL BE POLY DOGIPOT PET STATION (#1010) AS MANUFACTURED BY:

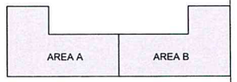
DOGIPOT
5340 YOUNG PINE RD., SUITE 6
ORLANDO, FLORIDA 32829
800-364-7681
INFO@DOGIPOT.COM

PET WASTE STATION COMES WITH TELESCOPING MOUNTING POST. POST IS TO BE MOUNTED IN PLANTING BED ADJACENT TO ARTIFICIAL TURF DOG RUN IN A LOCATION APPROVED BY LANDSCAPE ARCHITECT.

CONTRACTOR TO PROVIDE AND INSTALL TREE GRATES AND GUARDS WHERE DEPICTED ON THE PLANS. FOLLOW MANUFACTURERS RECOMMENDATIONS ON INSTALLATION.

TREE GRATE: JAMSON - RECTANGLE 4'x8' - POWDER COATED BLACK
TREE GUARD: AD - POWDER COATED BLACK

WWW.URBANACCESSORIES.COM
877-487-0458
SALES@URBANACCESSORIES.COM



SCALE: 1/16" = 1'-0"
0' 8' 16' 32'

N

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OWNER
DENIZEN PARTNERS PLLC
21 S 12th Street
Bismarck, ND 58504
Contact: David Witham
admin@denizendev.com
(710) 569-5943

ARCHITECT
ZW Design Studio
2404 East Broadway Ave Ste. D
Bismarck, ND 58501
Contact: Lyle Witham
(701) 391-9530/ lyle@zwdesign.com
Contact: Jacob Zikmund
(701) 520-9752/jacob@zwdesign.com

LANDSCAPE ARCHITECT
Axtman Associates
400 East Broadway Ave Ste. 304
Bismarck, ND 58501
Contact: Jake Axtman
jake@axtmanassociates.com
(701) 220-5659

CIVIL ENGINEER
Mountain Plains, LLC
1300 Tacoma Avenue, Suite A
Bismarck, ND 58504
Contact: Brian Zuroff
bzuroff@mtnplains.com
(701) 557-3348

STRUCTURAL ENGINEER
CW Structural Engineers
1000 E. Calgary Avenue Ste. 2
Bismarck, ND 58504
Contact: Chris Wentz
chriswentz@cwstructural.net
(701) 221-3266

MECHANICAL ENGINEER
JPK Engineering
112 North University Drive, Suite 140
Fargo, ND 58102
Contact: Jamie Kronbeck
jamie@jpkengineeringllc.com
(701) 532-1788

ELECTRICAL ENGINEER
Apex Engineering
600 South 2nd Street Ste. 145
Bismarck, ND 58504
Contact: John Klein
john.klein@apexenggroup.com
(701) 323-3961

I hereby certify that this plan specification, or report was prepared by me or under my direct supervison, and that I am a duly Registered Landscape Architect under the laws of the State of North Dakota.

JACOB L. AXTMAN, ASLA

Date 04-25-19 Ref. No. 35

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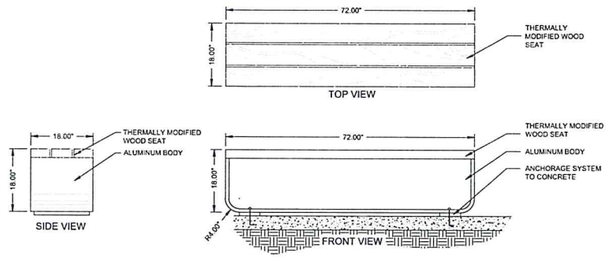
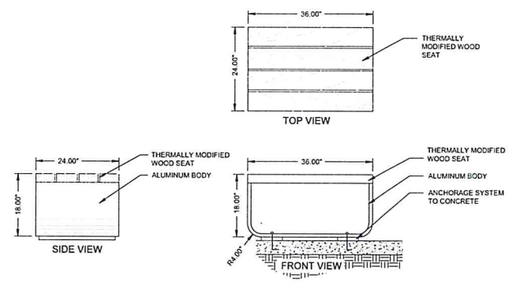
project title
630 Main Ave

sheet title:
Material & Dimensions Plan

sheet number:
L103



1 BENCH TYPE 1
3/4" = 1'-0"



2 BENCH TYPE 2
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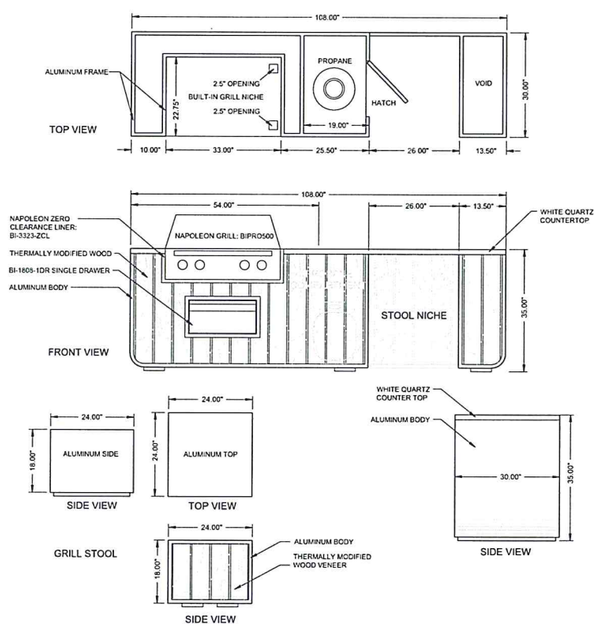
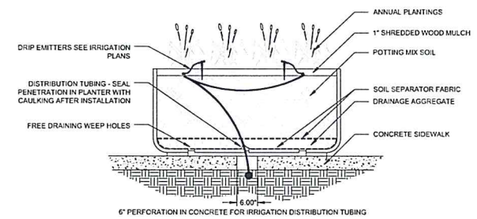
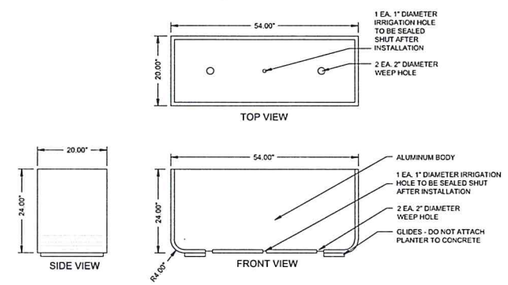


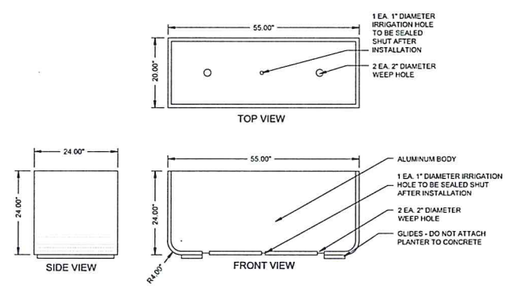
3 CUSTOM GRILL ISLAND
3/4" = 1'-0"



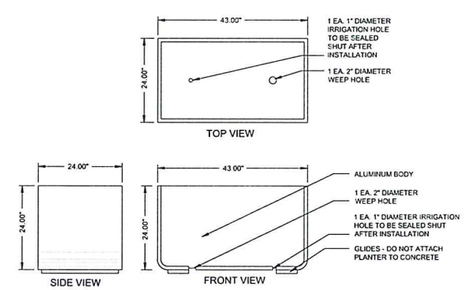
4 PLANTER - INSTALLATION DETAIL
3/4" = 1'-0"



5 PLANTER TYPE 1
3/4" = 1'-0"



6 PLANTER TYPE 2
3/4" = 1'-0"



7 PLANTER TYPE 3
3/4" = 1'-0"

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OWNER
DENIZEN PARTNERS PLLC
21 S 12th Street
Bismarck, ND 58504
Contact: David Witham
admin@denizendev.com
(710) 989-5943

ARCHITECT
ZW Design Studio
2404 East Broadway Ave Ste. D
Bismarck, ND 58501
Contact: Lyle Witham
(701) 391-9530/ lyle@zwdesign.com
Contact: Jacob Zikmund
(701) 520-9752/jacob@zwdesign.com

LANDSCAPE ARCHITECT
Axtman Associates
400 East Broadway Ave Ste. 304
Bismarck, ND 58501
Contact: Jake Axtman
jake@axtmanassociates.com
(701) 220-5659

CIVIL ENGINEER
Mountain Plains, LLC
1300 Tacoma Avenue, Suite A
Bismarck, ND 58504
Contact: Brian Zuroff
bzuroff@mtnplains.com
(701) 557-3348

STRUCTURAL ENGINEER
CW Structural Engineers
1000 E. Calgary Avenue Ste. 2
Bismarck, ND 58504
Contact: Chris Wentz
chriswentz@cwstructural.net
(701) 221-3266

MECHANICAL ENGINEER
JPK Engineering
112 North University Drive, Suite 140
Fargo, ND 58102
Contact: Jamie Kronbeck
jamie@jpkengineeringllc.com
(701) 532-1788

ELECTRICAL ENGINEER
Apex Engineering
600 South 2nd Street Ste. 145
Bismarck, ND 58504
Contact: John Klein
john.klein@apexenggroup.com
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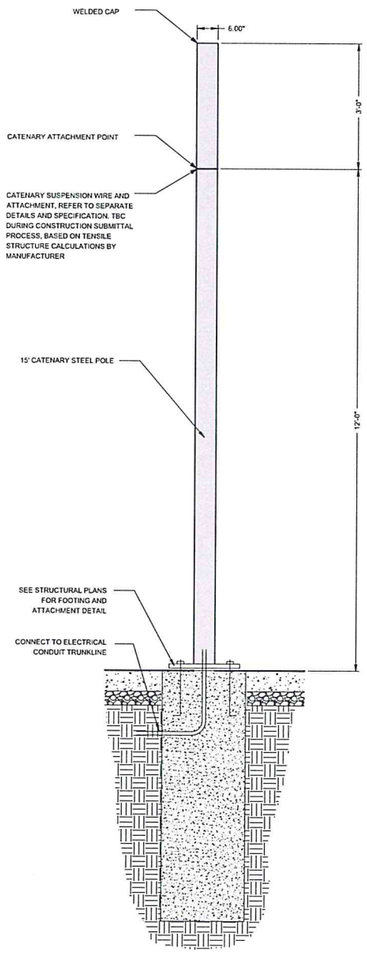
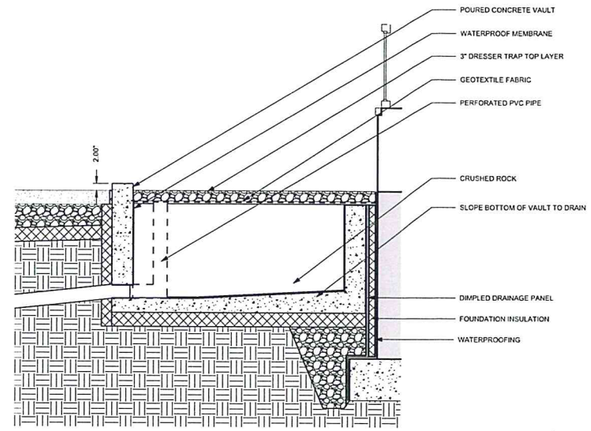
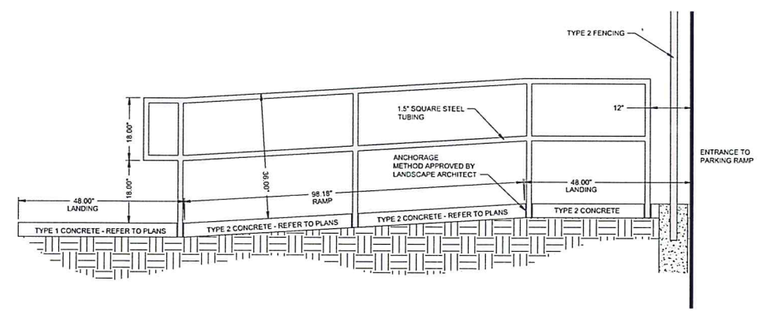


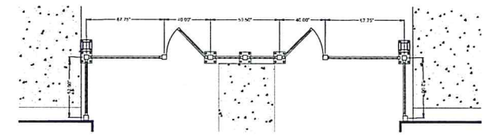
2 CATENARY POLE DETAIL
3/4" = 1'-0"



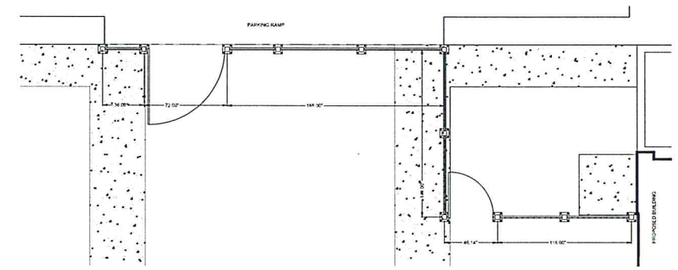
3 RAIN GARDEN SECTION
3/4" = 1'-0"



4 ADA RAMP & RAILING DETAIL - 2 RAILINGS
3/4" = 1'-0"



7 FENCING TYPE 1 - PLAN 1 (2 EACH)
1/4" = 1'-0"



8 FENCING TYPE 2 - PLAN 3
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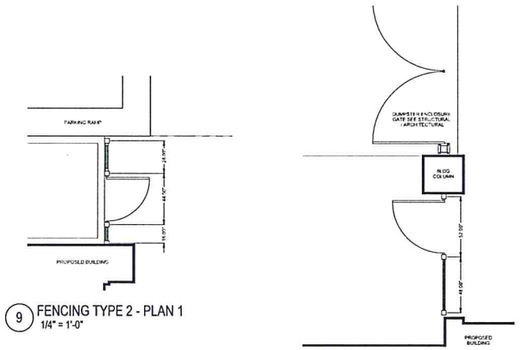
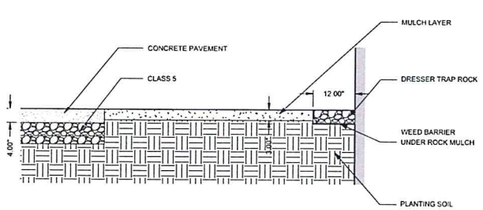
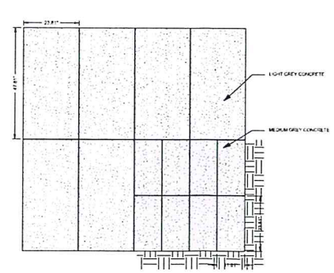


9 FENCING TYPE 2 - PLAN 1
1/4" = 1'-0"

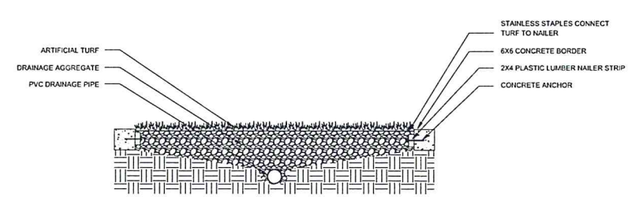
10 FENCING TYPE 2 - PLAN 1
1/4" = 1'-0"



1 PLANTING BED ALONG BUILDING TYP. SECTION
3/4" = 1'-0"



5 CONCRETE SCORING ALTERNATIVE
1/2" = 1'-0"



6 ARTIFICIAL TURF DETAIL
3/4" = 1'-0"

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OWNER
DENIZEN PARTNERS PLLC
21 S 12th Street
Bismarck, ND 58504
Contact: David Witham
admin@denizendev.com
(710) 989-5943

ARCHITECT
ZW Design Studio
2404 East Broadway Ave Ste. D
Bismarck, ND 58501
Contact: Lyle Witham
(701) 391-9530/lyle@zwdesign.com
Contact: Jacob Zikmund
(701) 520-9752/jacob@zwdesign.com

LANDSCAPE ARCHITECT
Axtman Associates
400 East Broadway Ave Ste. 304
Bismarck, ND 58501
Contact: Jake Axtman
jake@axtmanassociates.com
(701) 220-5659

CIVIL ENGINEER
Mountain Plains, LLC
1300 Tacoma Avenue, Suite A
Bismarck, ND 58504
Contact: Brian Zuroff
bzuroff@mtnplains.com
(701) 557-3348

STRUCTURAL ENGINEER
CW Structural Engineers
1000 E. Calgary Avenue Ste. 2
Bismarck, ND 58504
Contact: Chris Wentz
chriswentz@cwstructural.net
(701) 221-3286

MECHANICAL ENGINEER
JPK Engineering
112 North University Drive, Suite 140
Fargo, ND 58102
Contact: Jamie Kronbeck
jamie@jpkengineeringllc.com
(701) 532-1768

ELECTRICAL ENGINEER
Apex Engineering
600 South 2nd Street Ste. 145
Bismarck, ND 58504
Contact: John Klein
john.klein@apexenggroup.com
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