BOLTON HILL SPORTS COMPLEX

City of Veneta, Bid Documents - 04/30/2025

PROJECT TEAM

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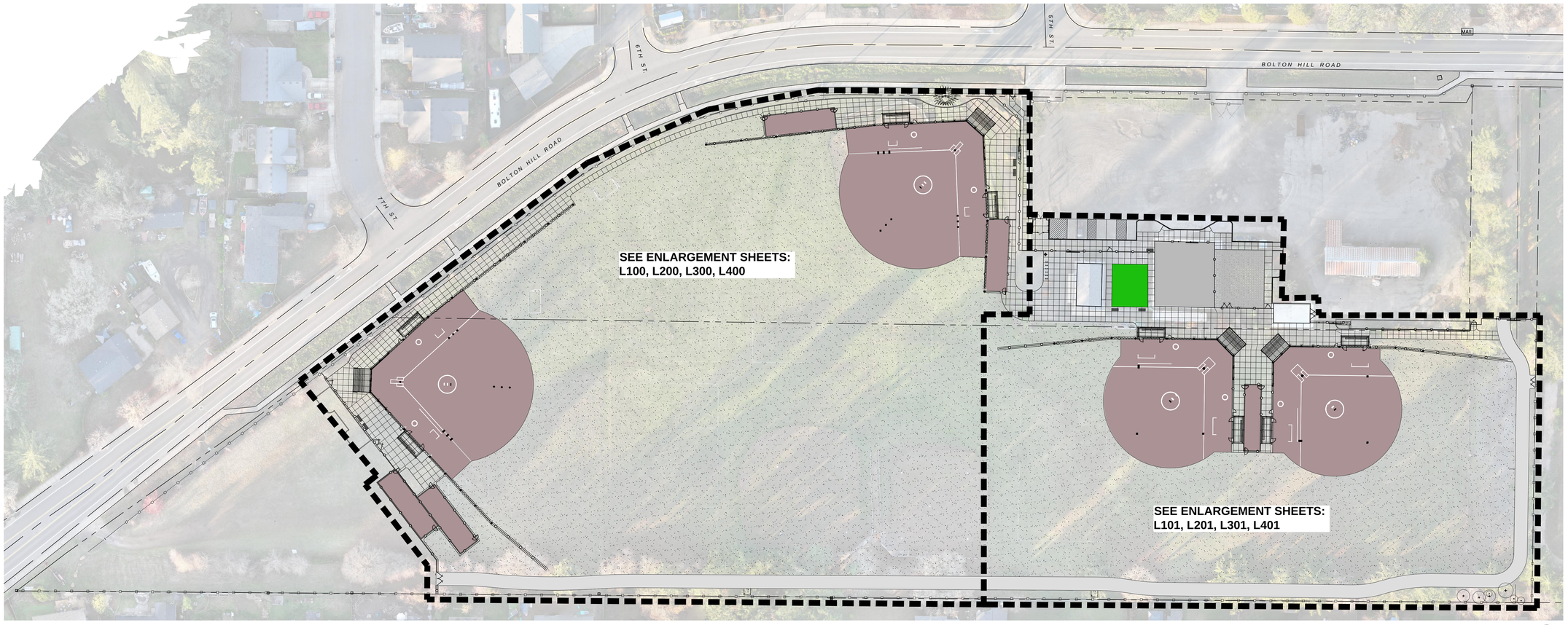
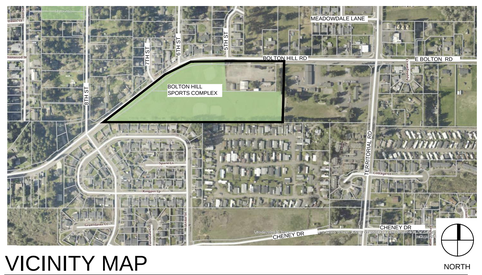
GENERAL NOTES

1. ALL WORK SHALL BE IN CONFORMANCE WITH LOCAL AND STATE JURISDICTIONAL CODES AND APPLICABLE LOCAL ORDINANCES.
2. NOTHING IN THESE PLANS, NOR THE ABSENCE OF INFORMATION SHALL BE CONSTRUED TO PERMIT WORK NOT IN COMPLIANCE WITH CODE REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK TO MEET FULL CODE COMPLIANCE, WHETHER INDICATED HEREIN OR NOT.
3. THESE DOCUMENTS ARE NOT, AND DO NOT PURPORT TO BE PERFECT. IT IS THE OWNER'S AND CONTRACTOR'S RESPONSIBILITY -PRIOR TO THE START OF CONSTRUCTION- TO BRING TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PERCEIVED OR ACTUAL DISCREPANCIES, CONFLICTS, OMISSIONS, ERRORS OR INCONSISTENCIES DISCOVERED IN THE DOCUMENTS, AND TO REQUEST ADDITIONAL INFORMATION, CLARIFICATION OR CORRECTION OF SUCH ITEMS AND WHERE DETAILS ANNOTATE CONDITIONS, SIMILAR CONDITIONS WHERE OCCURRING IN PROJECT SHALL BE IMPLIED AS BEING THAT SAME CONSTRUCTION EVEN IF NOT ANNOTATED ON DETAIL AS TYPICAL.
4. THE DRAWINGS ILLUSTRATE LOCATIONS, ARRANGEMENTS, DIMENSIONS AND DETAILS TO DETERMINE THE GENERAL CHARACTER OF THE WORK.
5. DRAWINGS SHALL NOT BE SCALED, UNLESS AUTHORIZED BY THE LANDSCAPE ARCHITECT. REQUEST CLARIFICATION FOR ANY MISSING DIMENSIONS FROM THE LANDSCAPE ARCHITECT.
6. DRAWINGS OF A GREATER SCALE TAKE PRECEDENCE OVER DRAWINGS OF A LESSER SCALE. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER DRAWING SCALE.
7. DIMENSIONS SHOWN ON THE PLANS SHALL BE VERIFIED BY THE CONTRACTOR, AND ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO COMMENCING THE WORK.
8. THE DRAWINGS DO NOT PURPORT TO INCLUDE COMPLETE DETAILS OF ALL PHASES, AND FACETS OF CONSTRUCTION. DETAILS NOT SPECIFICALLY SHOWN SHALL BE OF THE SAME NATURE AS OTHER, SIMILAR CONDITIONS. PARTS NOT DETAILED SHALL BE SUBJECT TO THE LANDSCAPE ARCHITECT'S APPROVAL.
9. THE LANDSCAPE ARCHITECT SHALL BE CONSULTED FOR ALL MATTERS REGARDING AESTHETICS, INCLUDING BUT NOT LIMITED TO, FINISHES, COLORS, TEXTURES, PROPORTIONS, OR ALIGNMENTS.
10. DETAILS OF CONDITIONS SHOWN WILL APPLY TO SIMILAR CONDITIONS AS TYPICAL WHERE OCCUR.
11. A CITY-APPROVED SET OF THE CONSTRUCTION DOCUMENTS MUST BE ON THE JOB SITE AT ALL TIMES, AS WELL AS A SET OF THE MOST RECENT ISSUE OF THE CONSTRUCTION DOCUMENTS AND SUPPLEMENTAL INFORMATION (SI'S).
12. THE CITY IS RESPONSIBLE FOR THE BUILDING PERMIT AND 1200C PERMIT. CONTRACTOR RESPONSIBLE FOR OBTAINING ALL OTHER NECESSARY PERMITS AND ADHERENCE TO JURISDICTIONAL CODES FOR CONSTRUCTION.



SITE KEY PLAN
SCALE: 1" = 40' - 0"

NORTH



VICINITY MAP

NORTH

COVER SHEET AND DRAWING INDEX

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Bolton Hill Sports Complex
24974 Bolton Hill Road
Veneta, OR 97487

Date: 4-30-25
Drawn By: EP
Checked By: DJD
Submission:
BID DOCUMENTS

Revisions

G001

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GENERAL NOTES

1. SURVEY PROVIDED BY BRANCH ENGINEERING, DATED 12/19/2024. ELEVATIONS ARE BASED ON RTK OBSERVATION USING THE OREGON REAL-TIME GEODETIC NETWORK AND GEOID 12A(NAVD88).
2. CONSTRUCTION LAYOUT (ALL ACTUAL LINES AND GRADES) SHALL BE STAKED BY A PROFESSIONAL SURVEYOR, REGISTERED IN THE STATE OF OREGON, BASED ON COORDINATES, DIMENSIONS, BEARINGS, AND ELEVATIONS, AS SHOWN, ON THE PLANS.
3. PROJECT CONTROL SHALL BE FIELD VERIFIED AND CHECKED FOR RELATIVE HORIZONTAL POSITION PRIOR TO BEGINNING CONSTRUCTION LAYOUT. SEE SHEET C2.0 FOR PROJECT CONTROL INFORMATION.
4. PROJECT CONTROL SHALL BE FIELD VERIFIED AND CHECKED FOR RELATIVE VERTICAL POSITION BASED ON THE BENCHMARK STATED HEREON, PRIOR TO BEGINNING CONSTRUCTION LAYOUT.
5. WHEN DIMENSIONS AND COORDINATE LOCATIONS ARE REPRESENTED - DIMENSIONS SHALL HOLD OVER COORDINATE LOCATION. NOTIFY THE CIVIL ENGINEER OF RECORD IMMEDIATELY UPON DISCOVERY OF ANY DISCREPANCIES.
6. BUILDING SETBACK DIMENSIONS FROM PROPERTY LINES SHALL HOLD OVER ALL OTHER CALLOUTS. PROPERTY LINES AND ASSOCIATED BUILDING SETBACKS SHALL BE VERIFIED PRIOR TO CONSTRUCTION LAYOUT.
7. CONTRACTOR SHALL PRESERVE AND PROTECT FROM DAMAGE ALL EXISTING MONUMENTATION DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PAYING FOR THE REPLACEMENT OF ANY MONUMENTS DAMAGED OR REMOVED DURING CONSTRUCTION. NEW MONUMENTS SHALL BE REESTABLISHED BY A LICENSED SURVEYOR.
8. SOME SITE DEMOLITION AND UTILITY RELOCATION HAS BEEN PERFORMED. SURVEY MAY NOT BE COMPLETE OR ACCURATE. CONTRACTOR TO VERIFY EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ENGINEER PRIOR TO BEGINNING CONSTRUCTION.
9. CONTRACTOR TO REFERENCE SOILS REPORT BY RMA COMPANIES (FORMALLY EARTH ENGINEERS) DATED [PENDING] FOR THE SITE SOILS CONDITIONS.
10. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THESE PLANS, THE PROJECT SPECIFICATIONS AND THE APPLICABLE REQUIREMENTS OF THE 2024 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, THE 2023 OREGON PLUMBING SPECIALTY CODE AND REQUIREMENTS OF THE CITY OF VENETA.
11. THE COMPLETED INSTALLATION SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, ORDINANCES AND REGULATIONS. ALL PERMITS, LICENSES AND INSPECTIONS REQUIRED BY THE GOVERNING AUTHORITIES FOR THE EXECUTION AND COMPLETION OF WORK SHALL BE SECURED BY THE CONTRACTOR PRIOR TO COMMENCING CONSTRUCTION.
12. ATTENTION: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER, THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER. (NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS (503) 232-1987). EXCAVATORS MUST NOTIFY ALL PERTINENT COMPANIES OR AGENCIES WITH UNDERGROUND UTILITIES IN THE PROJECT AREA AT LEAST 48 BUSINESS-DAY HOURS, BUT NOT MORE THAN 10 BUSINESS DAYS PRIOR TO COMMENCING AN EXCAVATION, SO UTILITIES MAY BE ACCURATELY LOCATED.
13. THE LOCATION OF EXISTING UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND ARE NOT GUARANTEED TO BE COMPLETE OR ACCURATE. CONTRACTOR SHALL VERIFY ELEVATIONS, PIPE SIZE, AND MATERIAL TYPES OF ALL UNDERGROUND UTILITIES PRIOR TO COMMENCING WITH CONSTRUCTION AND SHALL BRING ANY DISCREPANCIES TO THE ATTENTION OF KPFF CONSULTING ENGINEERS, 72 HOURS PRIOR TO START OF CONSTRUCTION TO PREVENT GRADE AND ALIGNMENT CONFLICTS.
14. THE ENGINEER OR OWNER IS NOT RESPONSIBLE FOR THE SAFETY OF THE CONTRACTOR OR HIS CREW. ALL O.S.H.A. REGULATIONS SHALL BE STRICTLY ADHERED TO IN THE PERFORMANCE OF THE WORK.
15. TEMPORARY AND PERMANENT EROSION CONTROL MEASURES SHALL BE IMPLEMENTED. THE CONTRACTOR SHALL ADHERE TO DEQ AND 1200-C PERMIT FOR MINIMUM EROSION CONTROL MEASURES. THE ESC FACILITIES SHOWN IN THESE PLANS ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT LEAVE THE SITE.
16. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL ROADWAYS, KEEPING THEM CLEAN AND FREE OF CONSTRUCTION MATERIALS AND DEBRIS, AND PROVIDING DUST CONTROL AS REQUIRED.
17. TRAFFIC CONTROL SHALL BE PROVIDED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN TO CITY OF VENETA FOR REVIEW AND APPROVAL PRIOR TO COMMENCING CONSTRUCTION.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND SCHEDULING ALL WORK WITH THE OWNER.
19. NOTIFY CITY OF VENETA INSPECTOR 72 HOURS BEFORE STARTING WORK. A PRECONSTRUCTION MEETING WITH THE OWNER, THE OWNER'S ENGINEER, CONTRACTOR AND THE CITY OF VENETA REPRESENTATIVE SHALL BE REQUIRED.

CONSTRUCTION NOTES

EARTHWORKS

1. SUBGRADE AND TRENCH BACKFILL SHALL BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-1557. FLOODING OR JETTING THE BACKFILLED TRENCHES WITH WATER IS NOT PERMITTED.
2. TRENCH BEDDING AND BACKFILL SHALL BE AS SHOWN ON THE PIPE BEDDING AND BACKFILL DETAIL, THE PROJECT SPECIFICATIONS AND AS REQUIRED IN THE SOILS REPORT.
3. WITH THE APPROVAL OF THE ENGINEER, PROOF-ROLL TESTING OF SUBGRADE AND/OR AGGREGATE BASE MAY BE SUBSTITUTED FOR OTHER COMPACTION TESTING.
4. CONTRACTOR SHALL PREVENT SEDIMENTS AND SEDIMENT LADEN WATER FROM ENTERING THE STORM DRAINAGE SYSTEM.

DEMOLITION

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND DISPOSAL OF EXISTING AC, CURBS, SIDEWALKS AND OTHER SITE ELEMENTS WITHIN THE SITE AREA IDENTIFIED IN THE PLANS.
2. EXCEPT FOR MATERIALS INDICATED TO BE STOCKPILED OR TO REMAIN ON OWNER'S PROPERTY, CLEARED MATERIALS SHALL BECOME CONTRACTOR'S PROPERTY, REMOVED FROM THE SITE, AND DISPOSED OF PROPERLY.
3. ITEMS INDICATED TO BE SALVAGED SHALL BE CAREFULLY REMOVED AND DELIVERED STORED AT THE PROJECT SITE AS DIRECTED BY THE OWNER.
4. ALL LANDSCAPING, PAVEMENT, CURBS AND SIDEWALKS, BEYOND THE IDENTIFIED SITE AREA, DAMAGED DURING THE CONSTRUCTION SHALL BE REPLACED TO THEIR ORIGINAL CONDITION OR BETTER.
5. CONCRETE SIDEWALKS SHOWN FOR DEMOLITION SHALL BE REMOVED TO THE NEAREST EXISTING CONSTRUCTION JOINT.
6. SAWCUT STRAIGHT MATCHLINES TO CREATE A BUTT JOINT BETWEEN THE EXISTING AND NEW PAVEMENT.

UTILITIES

1. ADJUST ALL INCIDENTAL STRUCTURES, MANHOLES, VALVE BOXES, CATCH BASINS, FRAMES AND COVERS, ETC. TO FINISHED GRADE.
2. CONTRACTOR SHALL ADJUST ALL EXISTING AND/OR NEW FLEXIBLE UTILITIES (WATER, TV, TELEPHONE, ELEC., ETC.) TO CLEAR ANY EXISTING OR NEW GRAVITY DRAIN UTILITIES (STORM DRAIN, SANITARY SEWER, ETC.) IF CONFLICT OCCURS.
3. CONTRACTOR SHALL COORDINATE WITH PRIVATE UTILITY COMPANIES FOR THE INSTALLATION OF OR ADJUSTMENT TO GAS, ELECTRICAL, POWER AND TELEPHONE SERVICE.
4. BEFORE BACKFILLING ANY SUBGRADE UTILITY IMPROVEMENTS CONTRACTOR SHALL SURVEY AND RECORD MEASUREMENTS OF EXACT LOCATION AND DEPTH AND SUBMIT TO ENGINEER AND OWNER.
5. ALL WORK TO CONFORM TO THE 2023 OREGON PLUMBING SPECIALTY CODE.

STORM AND SANITARY

1. CONNECTIONS TO EXISTING STORM AND SANITARY SEWERS SHALL CONFORM TO THE 2024 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, SECTION 00490, "WORK ON EXISTING SEWERS AND STRUCTURES".
2. BEGIN LAYING STORM DRAIN AND SANITARY SEWER PIPE AT THE LOW POINT OF THE SYSTEM, TRUE TO GRADE AND ALIGNMENT INDICATED WITH UNBROKEN CONTINUITY OF INVERT. THE CONTRACTOR SHALL ESTABLISH LINE AND GRADE FOR THE STORM AND SANITARY SEWER PIPE USING A LASER.
3. ALL ROOF DRAIN AND CATCH BASIN LEADERS SHALL HAVE A MINIMUM SLOPE OF 2 PERCENT UNLESS NOTED OTHERWISE IN THE PLANS.
4. ALL HORIZONTAL CONNECTIONS TO THE SANITARY OR STORM SEWERS SHALL BE OF THE 'WYE' BRANCH TYPE.

WATER

1. ALL WATER AND FIRE PROTECTION PIPE SHALL HAVE A MINIMUM 36-INCH COVER TO THE FINISH GRADE.
2. ALL WATER AND FIRE PRESSURE FITTINGS SHALL BE PROPERLY RESTRAINED WITH THRUST BLOCKS PER DETAIL.
3. ALL WATER MAIN / SANITARY SEWER CROSSINGS SHALL CONFORM TO THE OREGON STATE HEALTH DEPARTMENT REGULATIONS, CHAPTER 333.

PAVING

1. USE BROOM FINISHING, STANDARD GRAY ON CONCRETE PAVING. SEE ARCHITECTURAL PLANS FOR SCORING PATTERNS.

SEPARATION STATEMENT

ALL WATER MAIN CROSSINGS SHALL CONFORM TO THE OREGON STATE HEALTH DEPARTMENT, CHAPTER 333. WATER MAINS SHALL CROSS OVER SANITARY SEWERS WITH A 18" MINIMUM CLEARANCE BETWEEN OUTSIDE DIAMETERS OF PIPE WITH ALL PIPE JOINTS EQUIDISTANT FROM CROSSING. HORIZONTAL SEPARATION BETWEEN WATER MAINS AND SANITARY SEWERS IN PARALLEL INSTALLATIONS SHALL BE 10'. MAINTAIN 12" MINIMUM VERTICAL DISTANCE FOR ALL OTHER UTILITY CROSSINGS AND 12" HORIZONTAL PARALLEL DISTANCE. IN CASES WHERE IT IS NOT POSSIBLE TO MAINTAIN THE MINIMUM 10' HORIZONTAL SEPARATION, THE WATER MAIN SHALL BE LAID ON A SEPARATE SHELF IN THE TRENCH 18" INCHES ABOVE THE SEWER.

MATERIAL NOTES

1. GENERAL: MATERIALS SHALL BE NEW. THE USE OF MANUFACTURER'S NAMES, MODELS, AND NUMBERS IS INTENDED TO ESTABLISH STYLE, QUALITY, APPEARANCE, AND USEFULNESS. PROPOSED SUBSTITUTIONS WILL REQUIRE WRITTEN APPROVAL FROM OWNER PRIOR TO INSTALLATION.
2. STORM AND SANITARY SEWER PIPING SHALL BE PVC PIPE, DUCTILE IRON PIPE, OR HIGH DENSITY POLYETHYLENE (HDPE) PIPE CONFORMING TO THE PROJECT SPECIFICATIONS; AS INDICATED IN THE PLANS.
3. PRIVATE WATER MAINS 4-INCH DIAMETER AND LARGER:
   - UNDERGROUND PIPES SHALL BE DUCTILE IRON PIPE OR PVC PIPE CONFORMING TO THE PROJECT SPECIFICATIONS.
   - ABOVE GRADE PIPES IN RPBA ENCLOSURE OR WITHIN VAULTS SHALL BE DUCTILE IRON PIPE CONFORMING TO THE PROJECT SPECIFICATIONS.
4. PRIVATE WATER MAINS 3-INCH DIAMETER AND SMALLER:
   - UNDERGROUND PIPES SHALL BE COPPER TUBING OR PVC CONFORMING TO THE PROJECT SPECIFICATIONS.
   - ABOVE GRADE PIPES IN RPBA ENCLOSURE OR WITHIN VAULTS SHALL BE COPPER TUBING CONFORMING TO THE PROJECT SPECIFICATIONS
5. CONCRETE FOR CURBS, SIDEWALK AND DRIVEWAYS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,500 PSI AT 28 DAYS.

ABBREVIATIONS

AC	ASPHALT CONCRETE
AD	AREA DRAIN
APPROX.	APPROXIMATE
BLDG	BUILDING
CB	CATCH BASIN
CL	CENTERLINE
CO	CLEANOUT
CONC.	CONCRETE
COTG	CLEANOUT TO GRADE
DIA.,Ø	DIAMETER
DIP	DUCTILE IRON PIPE
E	EASTING
EXIST./EX.	EXISTING
FF	FINISH FLOOR ELEVATION
FG	FINISH GRADE
GB	GRADE BREAK
H	HEIGHT
HP	HIGH POINT
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
INV	INVERT
LP	LIGHT POLE
MH	MANHOLE
MIN	MINIMUM
N	NORTHING
OD	OUTSIDE DIAMETER
OF	OUTFALL
OVH/OH	OVERHEAD
P/L	PROPERTY LINE
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PCR	POINT OF CURB RETURN
PED	PEDESTRIAN
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENT
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PVT	PRIVATE
R	RIM
RD	ROOF DRAIN
ROW	RIGHT-OF-WAY
S	SLOPE (FT/FT)
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SHT	SHEET
ST	STREET
STA	STATION
STD	STANDARD
S/W	SIDEWALK
TC	TOP OF CURB
TG	TOP OF GROUND
TP	TOP OF PAVEMENT
TS	TOP OF STAIR
TW	TOP OF WALL
TYP	TYPICAL
UG	UNDERGROUND
UGE	UNDERGROUND ELECTRIC
UNO	UNLESS NOTED OTHERWISE
W	WATER
W/	WITH

NOTICE TO EXCAVATORS:
ATTENTION: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0100. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER.
(NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS (503)-232-1987).

POTENTIAL UNDERGROUND FACILITY OWNERS
Call before you dig.
Oregon811 or 800-332-2344
UTILITY NOTIFICATION CENTER

MAP FROM: GOOGLE MAPS ©

VICINITY MAP

SCALE: NTS

CIVIL SHEET INDEX

Sheet Number	Sheet Title
C1.0	CIVIL NOTES
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EXPIRATION DATE: 12/31/2025

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Bolton Hills Sports Complex

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CIVIL NOTES

Date: 04/30/25
Drawn By: MAR/DN/MR
Checked By: AB
Submission: BID DOCUMENTS

Revisions

1	Date
2	-
3	-
4	-

C1.0

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Printed: 4/25/25 at 4:24pm By: MReyes

LEGEND

PROPERTY LINE	SIGN
CURB	POWER POLE
EDGE OF ASPHALT	GUY WIRE
436 CONTOUR LINE	STRUCTURAL POST
EASEMENT LINE	BENCH
BOTTOM OF SWALE	MAIL BOX
TOP OF SWALE	ELECTRIC BOX
FENCE LINE	ELECTRIC VAULT
(E)OHW OVERHEAD WIRES	ELECTRIC METER
(E)E UNDERGROUND ELECTRIC	TELEPHONE RISER
(E)T TELEPHONE WIRE	WATER VALVE
(E)W WATER LINE	WATER METER
(E)SD EX. STORM DRAIN LINE	IRRIGATION BOX
(AB)SD (AB) AS-BUILT STORM DRAIN	DECIDUOUS TREE
(AB)WW (AB) AS-BUILT WASTEWATER	EVERGREEN TREE

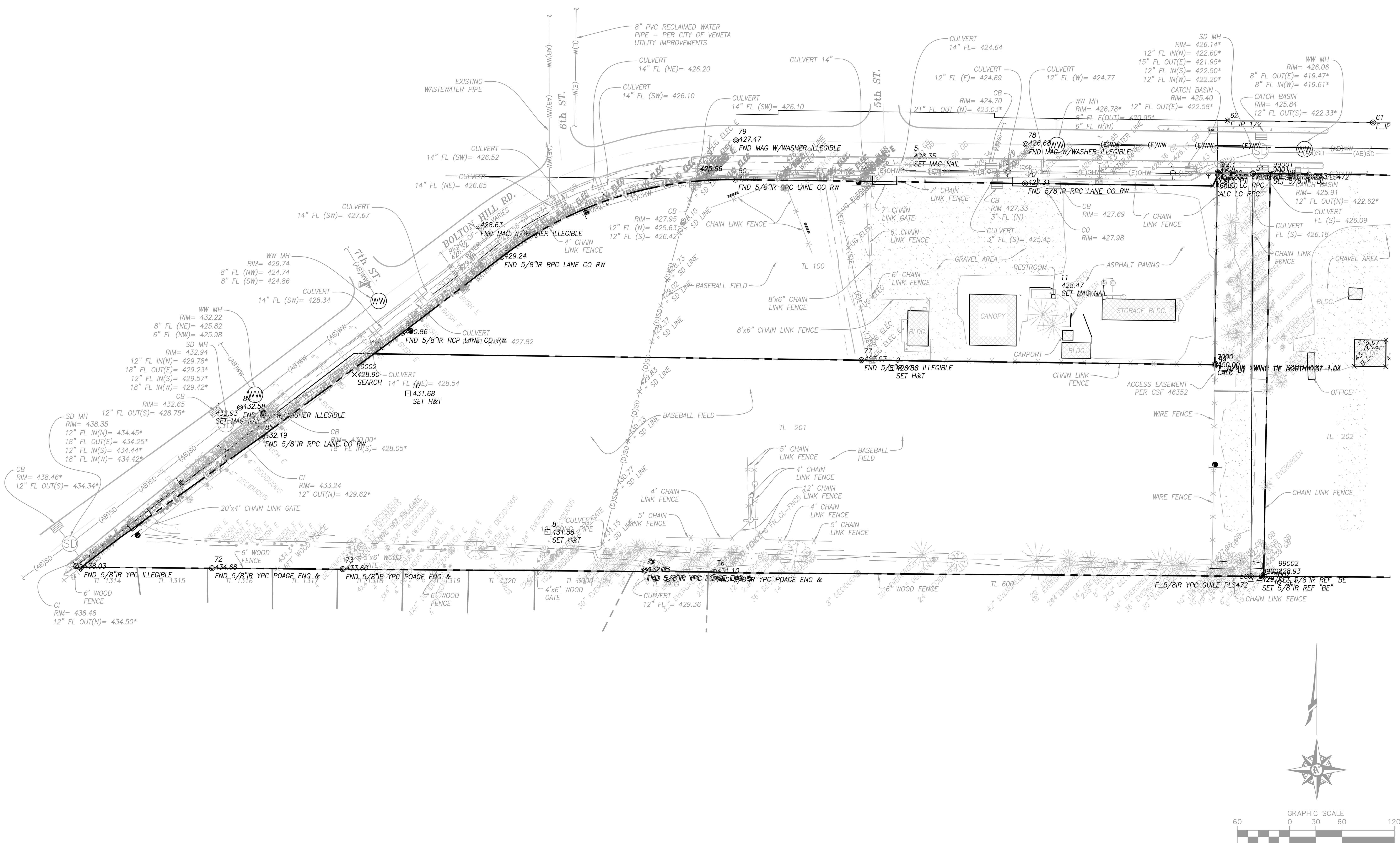
- LIGHT POLE WITH ARM
- CATCH BASIN
- CURB INLET
- CLEAN OUT
- STORM DRAIN MANHOLE
- WASTEWATER MANHOLE
- GRAVEL
- CONCRETE
- BUILDING

BENCHMARK

ELEVATIONS ARE BASED ON RTK GPS OBSERVATIONS TAKEN ON DEC. 19, 2024 USING THE OREGON REAL-TIME GEODETIC NETWORK AND GEOID 12A(NAVD88)

NOTES

1. OBSERVED EVIDENCE OF UTILITIES ARE SHOWN TO DEVELOP A VIEW OF THE UNDERGROUND UTILITIES. HOWEVER, LACKING EXCAVATION, THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY, AND RELIABLY DEPICTED. LOCATIONS OF UNDERGROUND UTILITIES SHOWN ARE BASED ON A COMBINATION OF VISIBLE FACILITIES LOCATED ABOVE GROUND, AS-BUILT DRAWINGS AND UTILITY LOCATE MARKS. NO CERTIFICATION IS MADE TO ACTUAL LOCATION OF UNDERGROUND UTILITIES. IN ADDITION, IN SOME JURISDICTIONS, 811 OR OTHER SIMILAR UTILITY LOCATE REQUESTS FROM SURVEYORS MAY BE IGNORED OR RESULT IN AN INCOMPLETE RESPONSE. INFORMATION MARKED WITH AN "*" WAS TAKEN FROM AS-BUILTS.
2. AS-BUILT DATA IS BASED ON THE BOLTON HILL ROAD VENETA UTILITY IMPROVEMENT PLANS, DATED APRIL 2008, PREPARED BY WEBER ELLIOT ENGINEERS, P.C.
3. ALL DISTANCES SHOWN ARE IN FEET.
4. BEARINGS BASED ON OREGON COORDINATE REFERENCE SYSTEM – EUGENE PROJECTION 2011



TAX MAP: 17-06-36-44, TAX LOT: 100 & 201

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project title:

EXISTING CONDITIONS SURVEY FOR

BOLTON HILL RD.
VENETA, OREGON

revisions:

date:	JAN. 6, 2025
drawn by:	JLB
designer:	DAN
project no:	24-359

EXISTING CONDITIONS

sheet: 1

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THIS SHEET REPRESENTS EXISTING SITE CONDITIONS BASED ON A LAND SURVEY PROVIDED BY KPFF OR BY OTHERS (NOT COMPLETED UNDER KPFF DIRECT SUPERVISION).
ALL INFORMATION SHOWN HEREON MAY OR MAY NOT EXPLICITLY REFLECT THE ACTUAL SURVEY DELIVERED FOR THE PURPOSE OF THIS PROJECT SITE. THIS INFORMATION WAS RELIED UPON FOR CIVIL DESIGN PURPOSES.
SURVEY COMPLETED BY:
BRANCH ENGINEERING [12/19/2024]

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Public Works Director
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541- 935-2191

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Bolton Hills Sports Complex
Venta, OR 97487
24974 Bolton Hills Road

Date:	04/30/25
Drawn By:	MAR/DN/MR
Checked By:	AB
Submission:	BID DOCUMENTS

Revisions

#	Date
#	-
#	-
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C1.1

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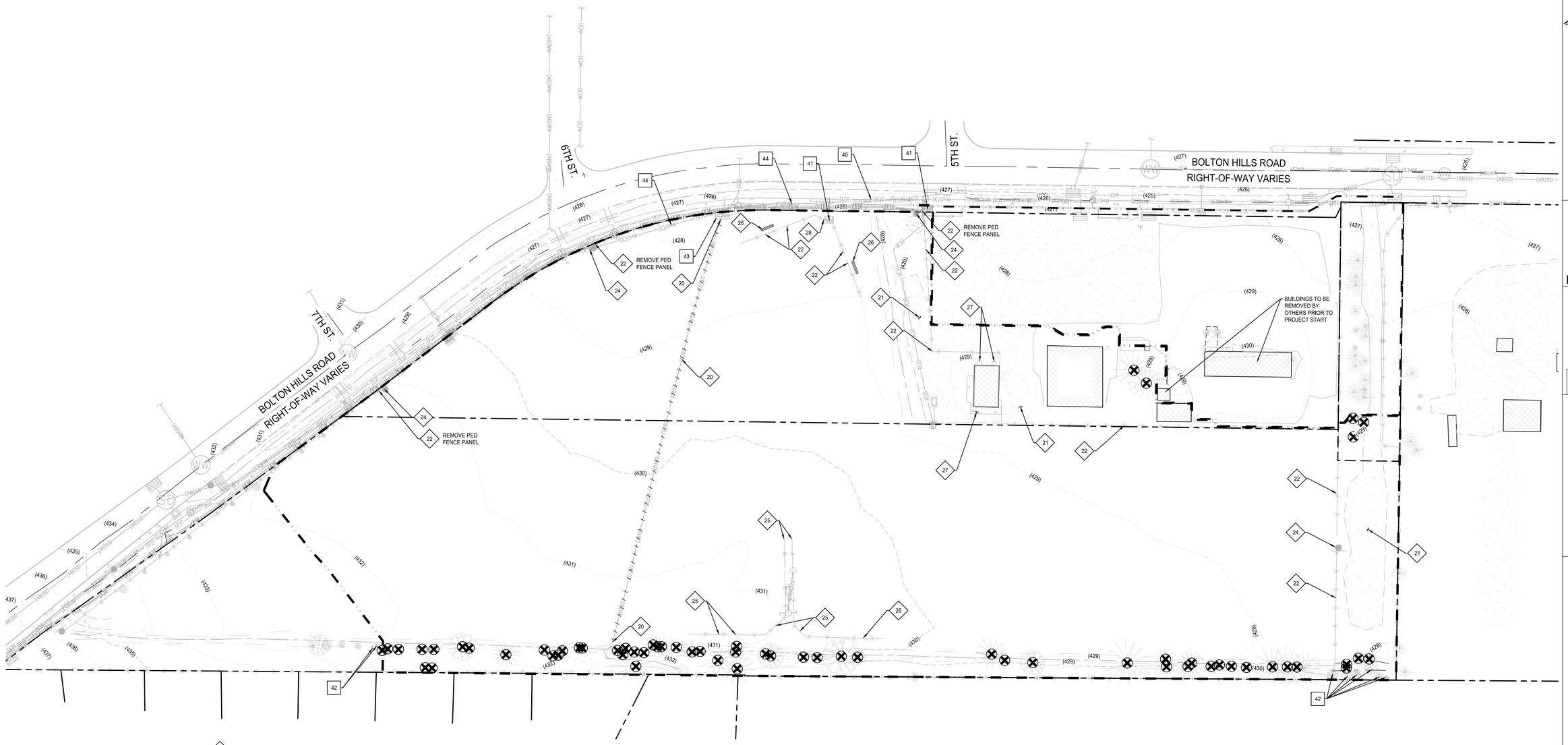

SHEET NOTES

1. CONTRACTOR MAY STAGE WITHIN LIMITS OF DEMOLITION.
2. REMOVE ALL SITE COMPONENTS AND RECYCLE COMPONENTS AS REQUIRED IN THE SPECIFICATIONS.
3. GENERAL DEMOLITION PERMIT SHALL BE SECURED BY THE CONTRACTOR.
4. ALL TRADE LICENSES AND PERMITS NECESSARY FOR THE PROCUREMENT AND COMPLETION OF THE WORK SHALL BE SECURED BY THE CONTRACTOR PRIOR TO COMMENCING DEMOLITION.
5. THE CONTRACTOR SHALL PRESERVE AND PROTECT FROM DAMAGE ALL EXISTING RIGHT-OF-WAY SURVEY MONUMENTATION DURING DEMOLITION. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PAYING FOR THE REPLACEMENT BY A LICENSED SURVEYOR OF ANY DAMAGED OR REMOVED MONUMENTS.
6. PROTECT ALL ITEMS ON ADJACENT PROPERTIES AND IN THE RIGHT OF WAY INCLUDING BUT NOT LIMITED TO SIGNAL EQUIPMENT, PARKING METERS, SIDEWALKS, STREET TREES, STREET LIGHTS, CURBS, PAVEMENT AND SIGNS. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ANY DAMAGED ITEMS TO ORIGINAL CONDITION.
7. PROTECT STRUCTURES, UTILITIES, SIDEWALKS, AND OTHER FACILITIES IMMEDIATELY ADJACENT TO EXCAVATIONS FROM DAMAGES CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS.
8. SAWCUT STRAIGHT LINES IN SIDEWALK, AS NECESSARY.
9. CONTRACTOR IS RESPONSIBLE TO CONTROL DUST AND MUD DURING THE DEMOLITION PERIOD, AND DURING TRANSPORTATION OF DEMOLITION DEBRIS. ALL STREET SURFACES OUTSIDE THE CONSTRUCTION ZONE MUST BE KEPT CLEAN.
10. ALL EXPOSED PORTIONS OF UNDERGROUND UTILITIES TO BE ABANDONED SHALL BE PLUGGED PER DETAIL 9/C5.1.
11. REFER TO ELECTRICAL PLANS FOR ANY ELECTRICAL SERVICE DEMO.

X DEMOLITION KEY NOTES

20 REMOVE UTILITY LINE
21 REMOVE ASPHALT PAVEMENT/GRAVEL DRIVE AND CRUSHED ROCK SUBGRADE
22 REMOVE FENCE
23 SAWCUT LINE
24 REMOVE SIGN
25 REMOVE BACKSTOP
26 REMOVE PLAYFIELD BENCH
27 REMOVE SIDEWALK TO EDGE OF BUILDING SLAB. PROTECT SIDING DURING DEMOLITION

X PROTECTION KEY NOTES

40 PROTECT UNDERGROUND UTILITIES
41 PROTECT UTILITY STRUCTURE
42 PROTECT TREE
43 PROTECT STORM STRUCTURE
44 PROTECT OVERHEAD UTILITY
45 PROTECT FENCE

SHEET LEGEND

- PROPERTY LINE
- DEMOLITION/WORK LIMITS (SHOWN OFFSET FOR CLARITY)
- PROJECT PHASE 2 BOUNDARY
- REMOVE UTILITY LINE
- REMOVE TREE
- EXISTING GRADE CONTOUR

SCALE 1 INCH = 40 FEET
40 0 40 80

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OREGON
MAY 28, 2015
ANNA LUTTRELL WAGNIS
EXPIRATION DATE: 12/31/2025

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SITE & UTILITY DEMOLITION PLAN

Date: 04/30/25
Drawn By: MAR/DN/MR
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Submission: BID DOCUMENTS

Revisions

1	Date
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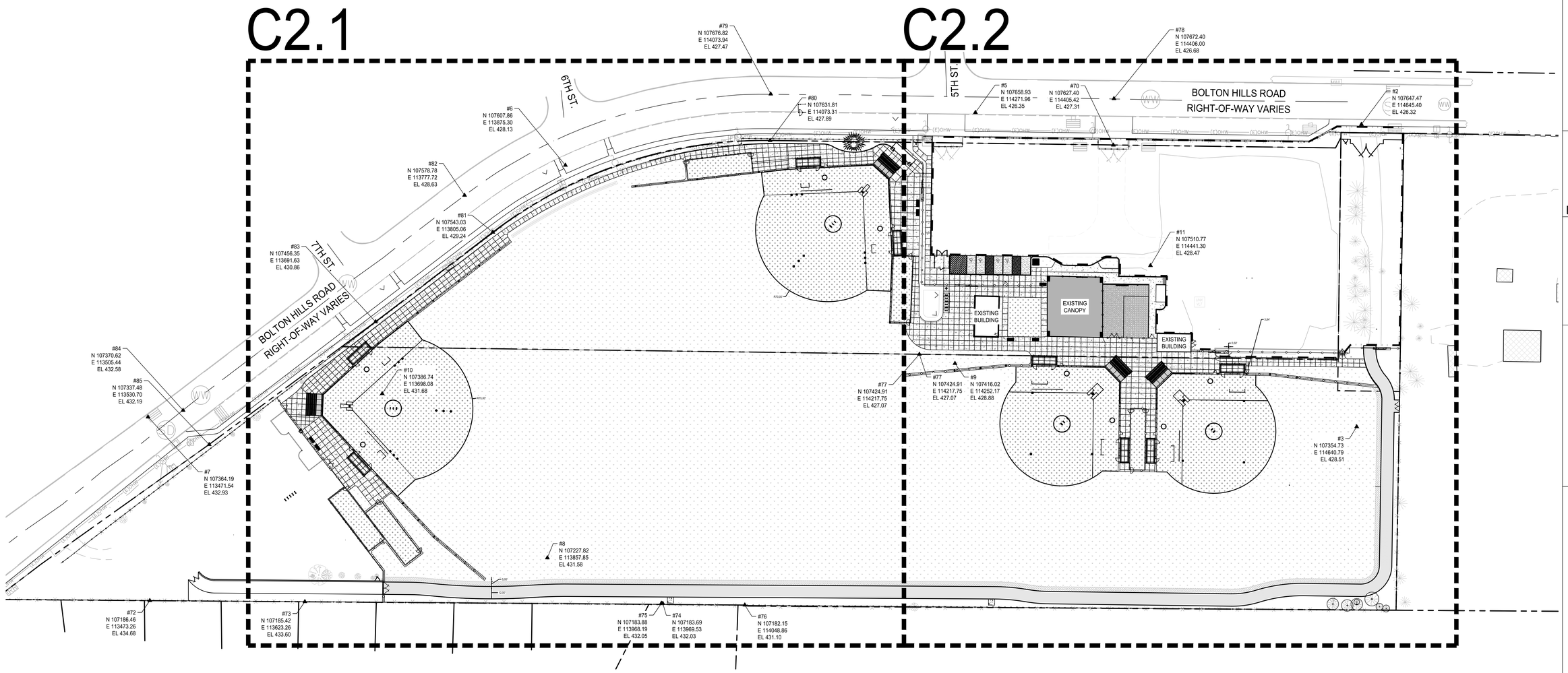

▲ PROJECT CONTROL

#	DESCRIPTION	NORTHING	EASTING
2	SET MAG NAIL	107647.47	114645.40
3	SET MAG NAIL	107354.73	114640.79
5	SET MAG NAIL	107658.93	114271.96
6	SET H&T	107607.86	113875.3
7	SET MAG NAIL	107364.19	113471.54
8	SET H&T	107227.82	113857.85
9	SET H&T	107416.02	114252.17
10	SET H&T	107386.74	113698.08
11	SET MAG NAIL	107510.77	114441.30
70	5/8" IR RPC LANE CO RW	107627.40	114405.42
71	5/8" IR YPC	107187.62	113323.11
72	5/8" IR YPC POAGE ENG	107186.46	113473.26
73	5/8" IR YPC POAGE ENG	107185.42	113623.26
74	5/8" IR YPC POAGE ENG	107183.69	113969.53
75	5/8" IR YPC POAGE ENG	107183.88	113968.19
76	5/8" IR YPC POAGE ENG	107182.15	114048.86
77	5/8" IR YPC	107424.91	114217.75
78	MAG W/ WASHER	107672.40	114406.00
79	MAG W/ WASHER	107676.82	114073.94
80	5/8" IR RPC LANE CO RW	107631.81	114073.31
81	5/8" IR RPC LANE CO RW	107543.03	113805.06
82	MAG W/ WASHER	107578.78	113777.72
83	5/8" IR RPC LANE CO RW	107456.35	113691.63
84	MAG W/ WASHER	107370.62	113505.44
85	5/8" IR RPC LANE CO RW	107337.48	113530.70

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OVERALL HORIZONTAL CONTROL PLAN

Date: 04/30/25
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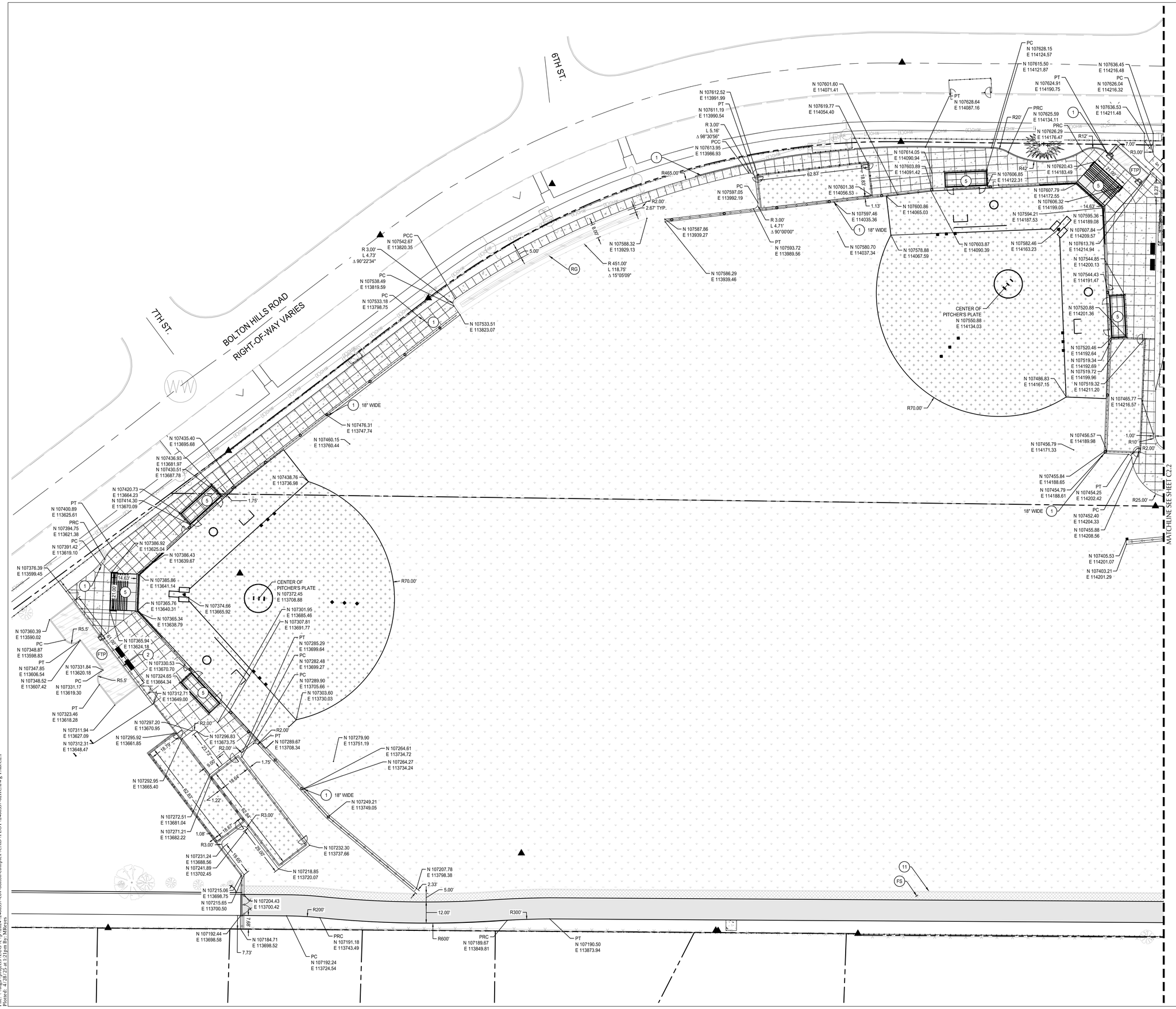

SHEET NOTES

1. ALL DIMENSIONS ARE TO FACE OF CURB OR FACE OF WALL.
2. ALL SIDEWALK PAVEMENT JOINTS SHALL BE CONSTRUCTED PER DETAIL 11/C5.0

KEY NOTES

#	DESCRIPTION	DETAIL REF.
1	RETAINING WALL/TALL CURB	14/C5.0
2	STANDARD CURB	6/C5.0
3	FLUSH CURB	12/C5.0
4	WHEEL STOP	4/C5.0
5	CONCRETE SLAB, SEE STRUCTURAL PLANS	
6a	ADA PARKING STALLS AND STRIPING	3/C5.0
6b	"NO PARKING" ZONE STRIPING	3/C5.0
6c	4" WIDE WHITE STRIPE	
7	ADA PARKING SIGN	5/C5.0
8	DETECTABLE WARNING	8/C5.0
9	CURB RAMP	9/C5.0
10	BOLLARD	13/C5.0
11	FRENCH DRAIN	14/C5.1
FTP	FLOW-THROUGH-PLANTER	3/C5.1
FS	FILTER STRIP	14/C5.1
RG	RAIN GARDEN	2/C5.1

SHEET LEGEND

- PROPERTY/EASEMENT LINE
- SAWCUT LINE
- PROJECT PHASE 2 BOUNDARY
- CONCRETE SIDEWALK — 2 / C5.0
- ASPHALT, 24" THICK — 7 / C5.0
- TURF. SEE LANDSCAPE PLANS. — 10 / C5.0
- STORMWATER TREATMENT — 1 / C5.1
- FILTER STRIP WITH FRENCH DRAIN — 14 / C5.1
- GRAVEL — X / C5.X
- VEHICULAR CONCRETE — 1 / C5.0
- LANDSCAPING. SEE LANDSCAPE PLANS.

SCALE 1 INCH = 20 FEET
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HORIZONTAL CONTROL PLAN

Date: 04/30/25
Drawn By: MAR/DN/MR
Checked By: AB
Submission: BID DOCUMENTS

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C2.1

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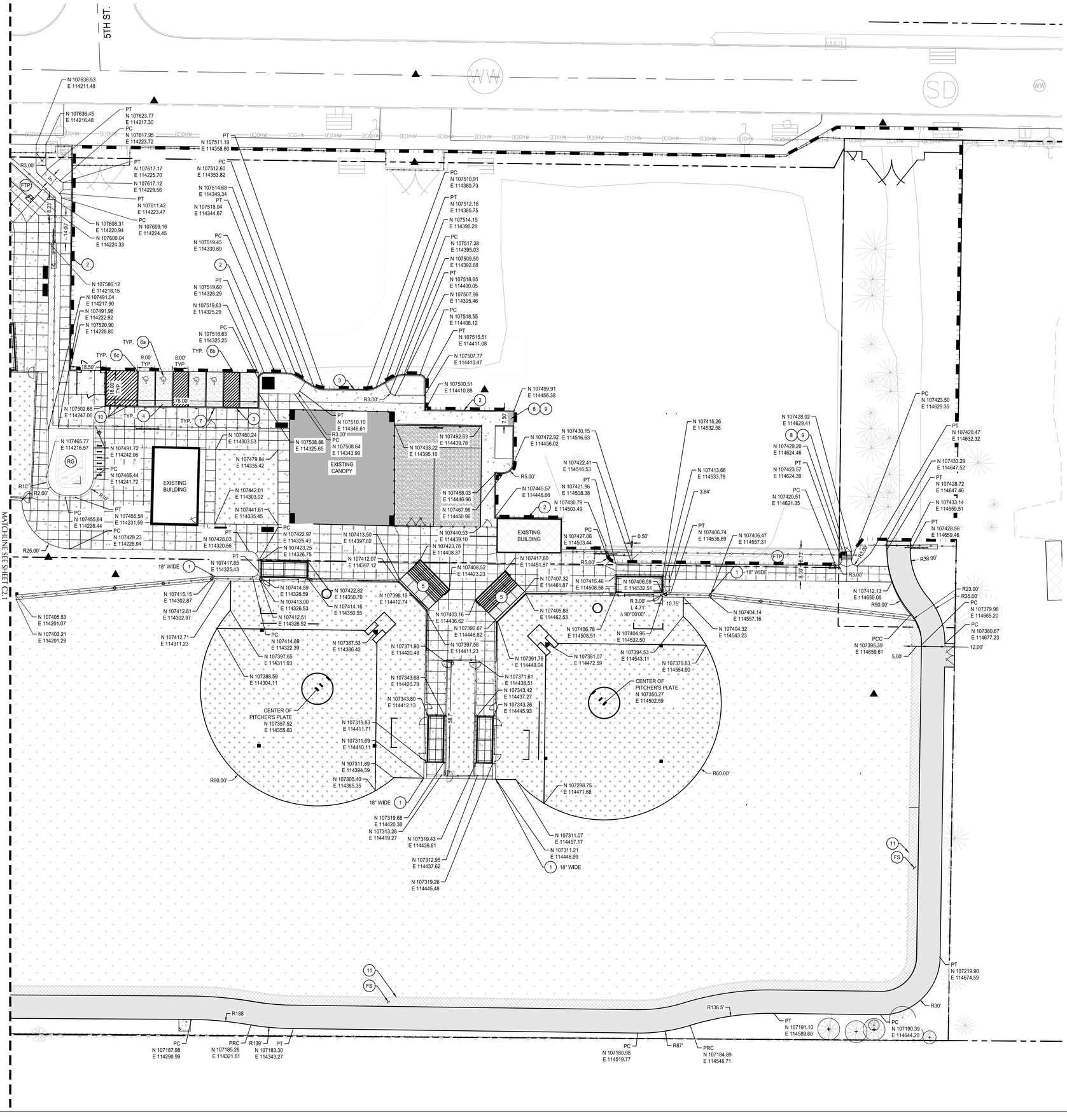

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- LANDSCAPING. SEE LANDSCAPE PLANS.

SCALE 1 INCH = 20 FEET
20 0 20 40

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REGISTERED PROFESSIONAL ENGINEER 88168 OREGON MAY 28, 2015 ANNA LUTTRELL WATKINS
EXPIRATION DATE: 12/31/2025

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Bolton Hills Sports Complex

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HORIZONTAL CONTROL PLAN

Date: 04/30/25
Drawn By: MAR/DN/MR
Checked By: AB
Submission: BID DOCUMENTS

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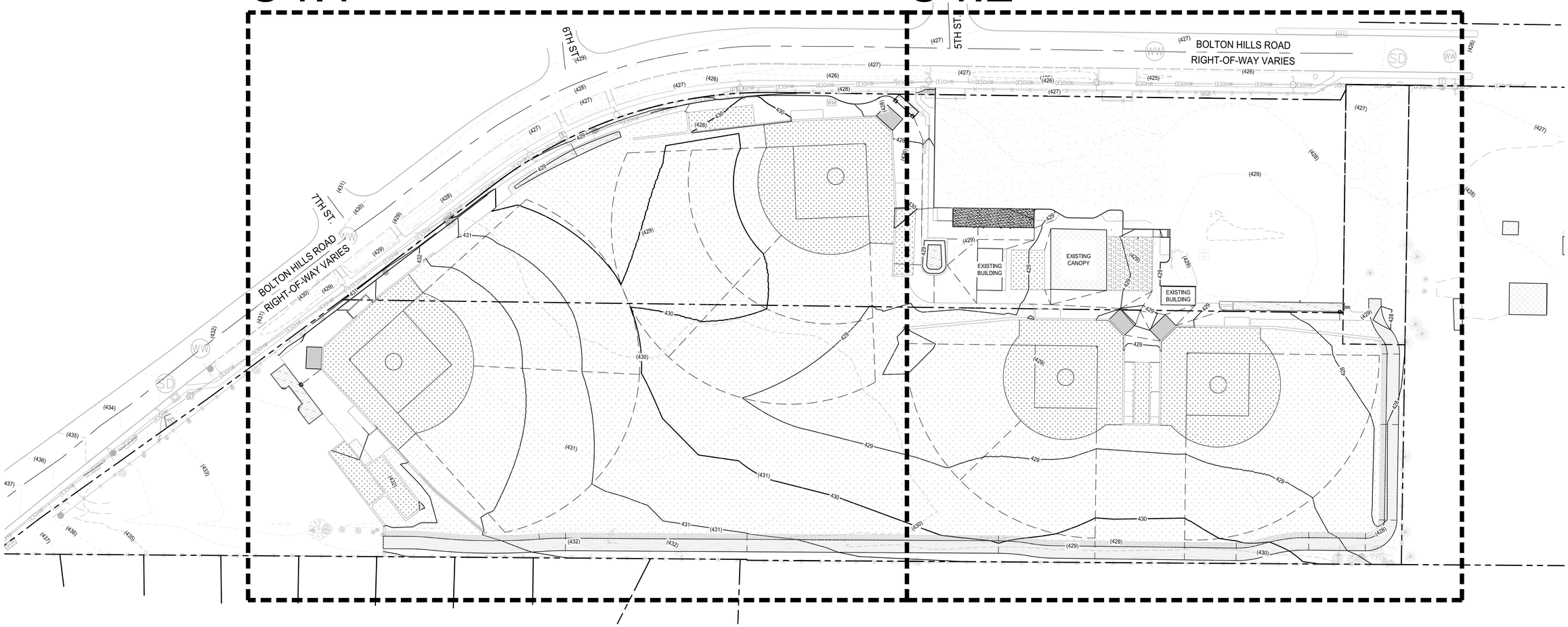

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OVERALL GRADING PLAN

Date: 04/30/25
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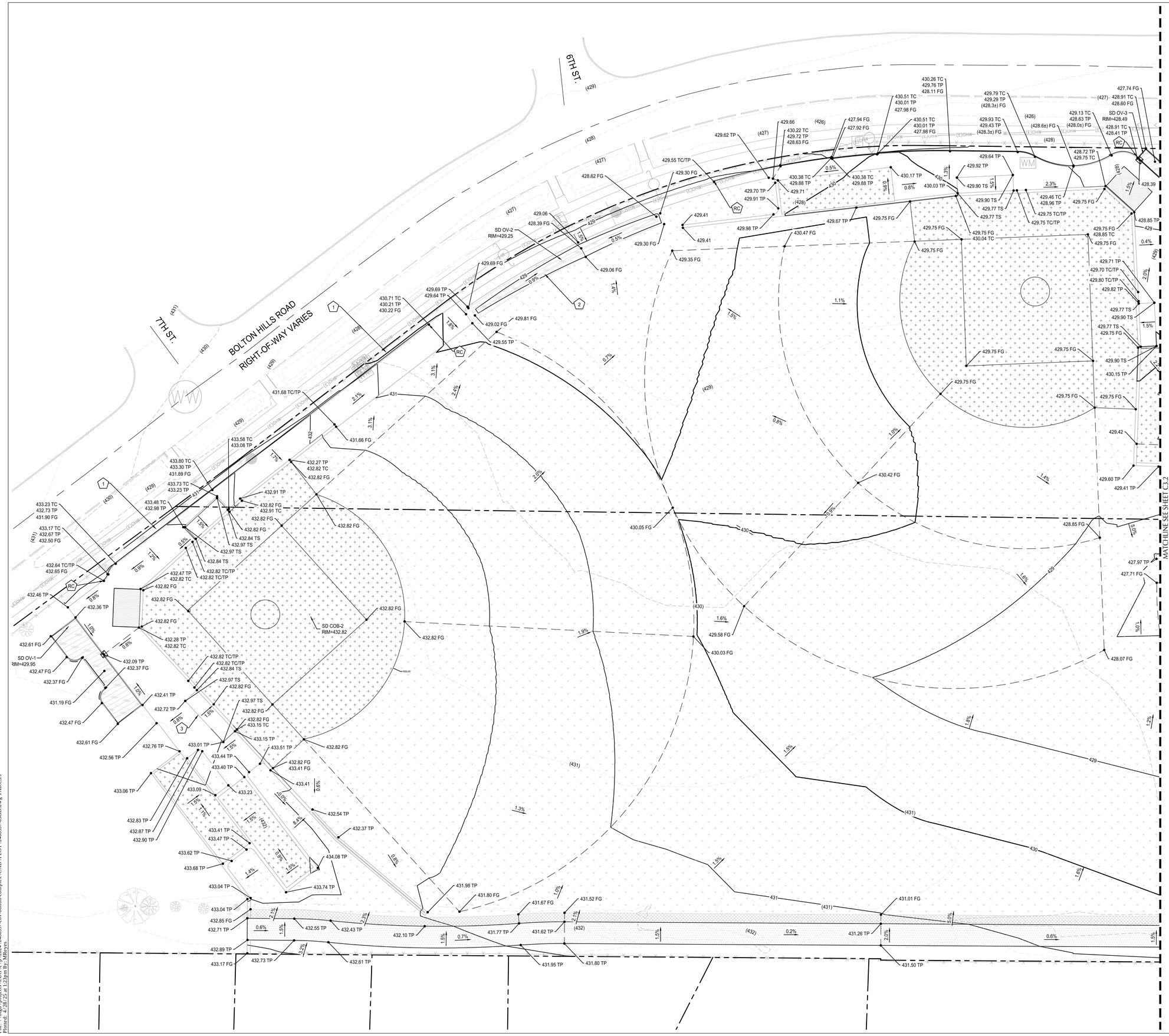


SHEET NOTES

1. SLOPES PROVIDED ON SLOPE ARROW ARE FOR REFERENCE ONLY.
2. CROSS-SLOPES ON ACCESSIBLE ROUTES ARE DESIGNED AT 1.5% MAX. AND SHALL COMPLY WITH CURRENT ADA ACCESSIBILITY GUIDELINES FOR BUILDING AND FACILITIES (ADAAG)
3. WALKWAYS ARE DESIGNED TO NOT REQUIRE HANDRAILS, UNLESS NOTED OTHERWISE, THEREFORE WALKWAYS WITH SLOPES STEEPER THAN 4.5% AND LESS THAN 7.8% SHALL NOT EXCEED 0.5' RISE.
4. CURB EXPOSURE TO BE 6" U.N.O.

GRADING KEY NOTES

NOTE	DESCRIPTION
1	4:1 MAX SLOPE FROM EXISTING SURFACE MATCH LINE TO BOTTOM OF WALL GRADE.
2	4:1 MAX SLOPE
3	VERTICAL ELEVATION DIFFERENCE BETWEEN STRUCTURAL DUGOUT SLAB AND ADJACENT SIDEWALK.
RC	RETAINING CURB

GRADING LABEL LEGEND

CALLOUT	DESCRIPTION
X.X%	GRADING SLOPE AND DIRECTION (DOWNHILL)
[X.X%]	SLOPE ORIENTATION INDICATING DIRECTION OF MAXIMUM GRADE (DOWNHILL)
XX.XX XX	SPOT ELEVATION DESCRIPTION LISTED BELOW. NO DESCRIPTION MEANS TP OR TG

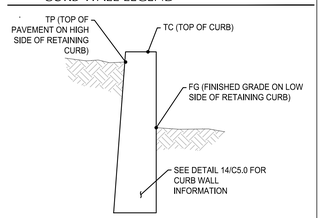
EG	EXISTING GRADE
FF	FINISHED FLOOR
HP	HIGH POINT
LP	LOW POINT
RIM	RIM OF STRUCTURE
TC	TOP OF CURB
TG	TOP OF GROUND
TP	TOP OF PAVEMENT
TS	TOP OF SLAB
TW	TOP WALL

(XXX.Xs) EXISTING GRADE (MATCH WHERE APPLICABLE)

SHEET LEGEND

- DRAINAGE FLOW DIRECTION
- GRADE BREAK
- PROJECT PHASE 2 BOUNDARY
- (49) EX. CONTOUR MINOR
- (50) EX. CONTOUR MAJOR
- 49 CONTOUR MINOR (FG)
- 50 CONTOUR MAJOR (FG)
- CONVEYANCE SWALE

CURB WALL LEGEND



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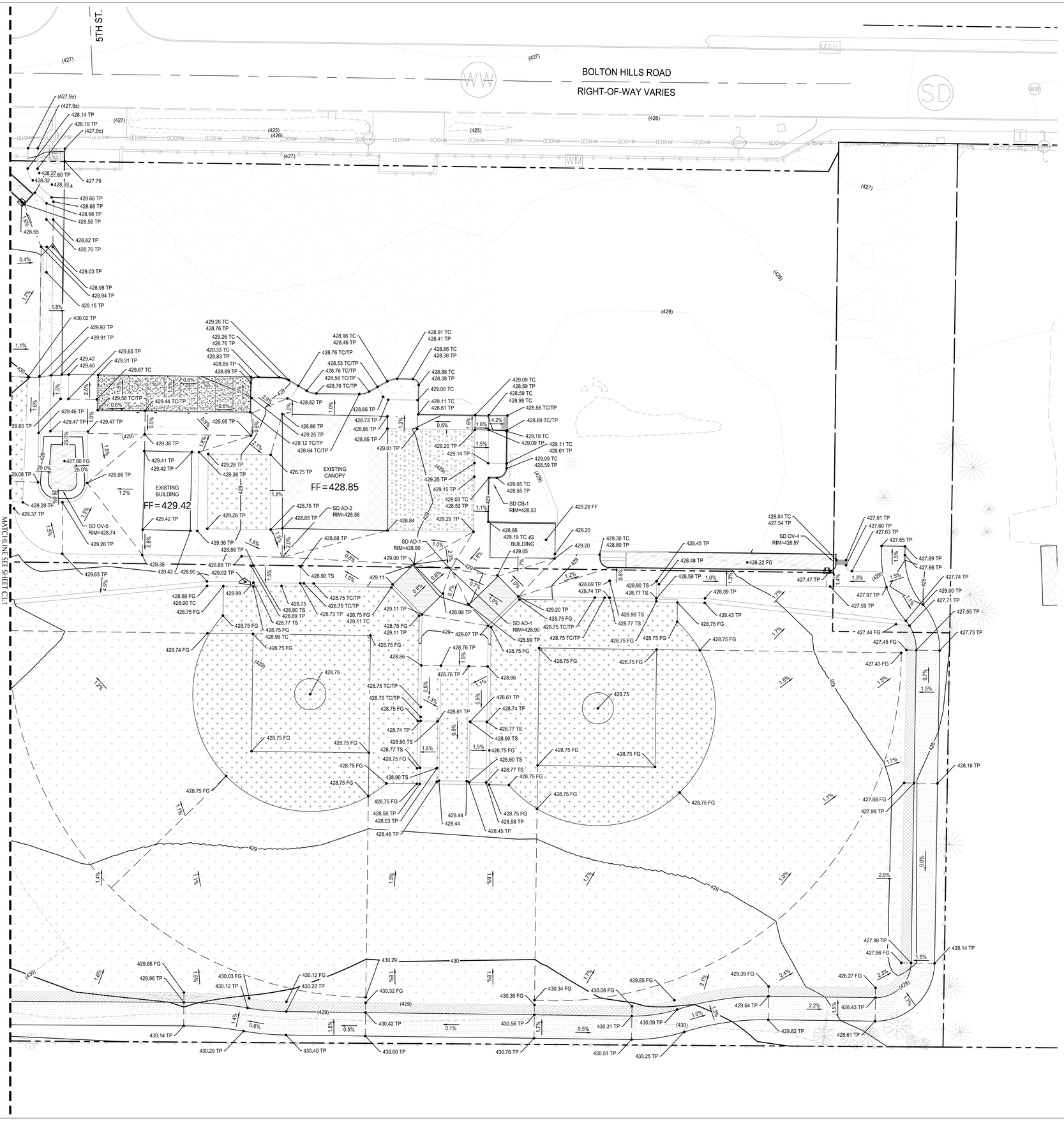

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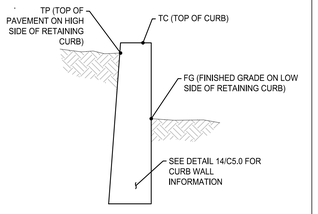

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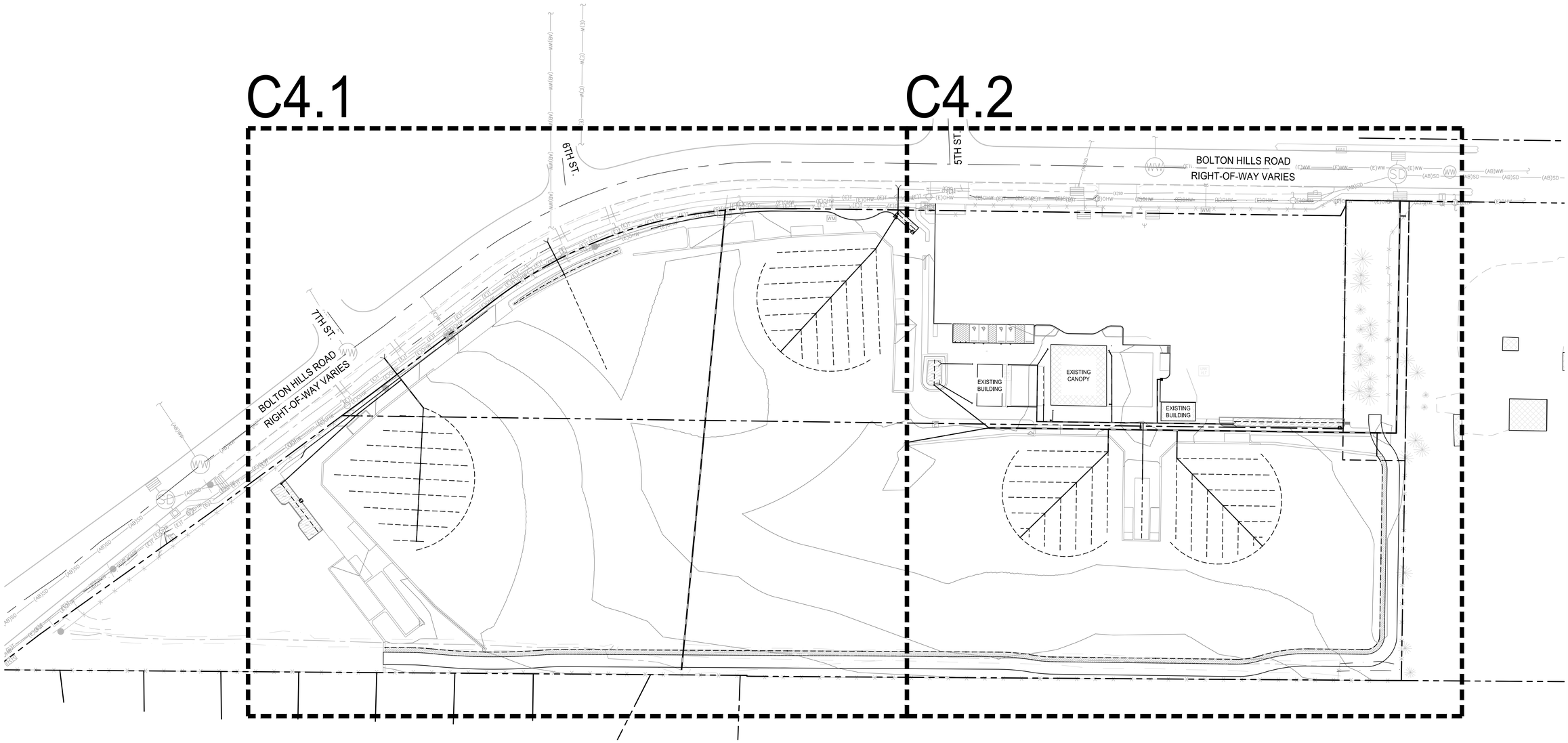
Plotted: 4/28/25 at 1:23pm By: MReyes



*LOCATION SHOW AT CORNER OF STRUCTURE

SD STRUCTURE TABLE

STRUCTURE ID	NORTHING	EASTING
AD-1	107420.55	114427.82
AD-2	107427.48	114341.27
AD-3	107406.21	114201.64
*CB-1	107468.03	114446.96
CO-1	107433.95	113674.44
CO-2	107415.31	114674.08
CO-3	107416.68	114574.08
CO-4	107417.94	114474.09
CO-5	107489.48	114400.10
CO-6	107393.54	114655.28
CO-7	107480.80	114328.58
CO-8	107426.50	114327.87
CO-9	107419.25	114374.10
CO-10	107420.46	114281.83
CO-11	107425.18	114427.86
CO-12	107467.02	114443.95
CO-14	107206.31	113987.63
CO-15	107294.96	114659.31
CO-16	107206.93	114641.11
CO-17	107200.65	114541.82

SD STRUCTURE TABLE

STRUCTURE ID	NORTHING	EASTING
CO-18	107198.50	114442.14
CO-19	107199.80	114343.49
CO-20	107204.67	114259.73
CO-21	107205.27	114159.73
CO-22	107205.71	114087.62
CO-23	107208.93	113700.45
CO-24	107204.57	113796.85
CO-25	107206.86	113896.79
COB-1	107439.76	113737.26
COB-2	107371.17	113733.73
COB-3	107311.25	113730.64
COB-4	107593.02	114172.99
COB-6	107530.72	114115.39
COB-7	107493.74	114081.21
COB-8	107604.51	114025.59
COB-9	107504.96	114016.10
COB-10	107405.41	114006.61
COB-11	107305.86	113997.12
COB-12	107397.39	114396.55
COB-13	107352.99	114350.98

SD STRUCTURE TABLE

STRUCTURE ID	NORTHING	EASTING
COB-14	107314.95	114311.94
COB-15	107391.20	114462.72
COB-16	107345.61	114507.12
COB-17	107306.57	114545.15
COB-18	107442.61	114334.45
COB-19	107370.94	114429.57
OF-1	107487.40	113699.81
OF-3	107651.18	114194.58
OF-4	107462.49	114234.36
OF-5	107482.25	114235.94
OV-1	107366.56	113600.56
OV-2	107568.26	113872.87
OV-4	107425.29	114622.89
OV-5	107461.61	114229.09
STUB-1	107624.36	114683.01
STUB-2	107443.11	114397.60
STUB-3	107495.00	114397.34
STUB-4	107437.18	114343.45
STUB-5	107440.92	114299.42
STUB-6	107481.18	114300.20

SD STRUCTURE TABLE

STRUCTURE ID	NORTHING	EASTING
STUB-7	107496.48	114338.69
STUB-8	107444.08	114265.74
STUB-9	107481.85	114266.02

SCALE 1 INCH = 40 FEET
40 0 40 80

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REGISTERED PROFESSIONAL ENGINEER
88168
OREGON
MAY 28, 2015
ANNA L'UTTRELL WATKINS
EXPIRATION DATE: 12/31/2025

Client
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Kyle Schauer,
Public Works Director
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541- 935-2191

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Bolton Hills Sports Complex
Venta, OR 97487
24974 Bolton Hills Road
OVERALL UTILITY PLAN

Date: 04/30/25
Drawn By: MAR/DN/MR
Checked By: AB
Submission:
BID DOCUMENTS

Revisions

1	Date
2	-
3	-
4	-

C4.0

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Printed: 4/25/25 at 4:30pm By: MReyes

SHEET NOTES

1. ON-SITE PIPE BEDDING AND BACKFILL FOR ALL UTILITIES PER DETAIL 7/C5.1.
2. STRUCTURES LOCATIONS ARE BASED ON CENTER OF STRUCTURE, U.N.O.

UTILITY KEY NOTES

NOTE	DESCRIPTION	DETAIL REF.
FTP	STORMWATER FLOW-THROUGH PLANTER. ID AS SHOWN.	3/C5.1
FS	FILTER STRIP	14/C5.1
RD	CONNECT TO EXISTING ROOF DRAIN	16/C5.1
RG	RAIN GARDEN	2/C5.1

UTILITY LABEL LEGEND

STRUCTURE LABEL

UTILITY TYPE (SD=STORM DRAINAGE, S=SANITARY SEWER, W=WATER, FP=FIRE PROTECTION)
STRUCTURE TYPE CALLOUT
ID NUMBER (WHERE APPLICABLE)
XX XX-XX
N=XXXX.XX
E=XXXX.XX — LOCATION (WHERE APPLICABLE)
RIM=
IE IN = XX.X
IE OUT = XX.X — STRUCTURE INFO (WHERE APPLICABLE)

PIPE LABEL

UTILITY LENGTH
UTILITY SIZE
XXLF - XX" XX — UTILITY TYPE
S=X.XX% — SLOPE (WHERE APPLICABLE)

STRUCTURE TYPE

CALLOUT	DESCRIPTION	DETAIL REF.
AD	AREA DRAIN	11/C5.1
CB	CATCH BASIN	8/C5.1
CO	CLEANOUT TO GRADE	6/C5.1
COB	CLEANOUT - BURIED	15/C5.1
OF	OUTFALL	10/C5.1
OV	OVERFLOW INLET	13/C5.1

SD OF-3
IE 6" IN=425.39 (S)

SD OV-3
RIM=428.49
IE 6" IN=425.64 (SW)
IE 4" IN=425.64 (SE)
IE 6" OUT=425.64 (N)

CONNECT TO EXISTING CATCH BASIN
RIM=(428.0±)
IE 12" OUT=425.63 (N) (EX)
FIELD VERIFY POINT
OF CONNECTION

25 LF - 6"SD
S=1.00%

22 LF - 4"SD PERF PIPE

26 LF - 12"SD
S=0.50%

SD COB-8
IE 12" IN=426.55 (S)
IE 12" OUT=426.55 (N)

SD COB-4
IE 6" IN=425.84 (SW)
IE 4" IN=426.12 (S)
IE 4" IN=426.12 (W)
IE 6" OUT=425.84 (NE)

40 LF - 6"SD
S=0.50%

FTP

95 LF - 4"SD PERF PIPE
S=0.50%

88 LF - 4"SD PERF PIPE
S=0.50%

79 LF - 4"SD PERF PIPE
S=0.50%

61 LF - 6"SD
S=0.50%

65 LF - 4"SD PERF PIPE
S=0.50%

49 LF - 4"SD PERF PIPE
S=0.50%

100 LF - 12"SD
S=0.50%

51 LF - 4"SD PERF PIPE
S=0.50%

65 LF - 4"SD PERF PIPE
S=0.50%

49 LF - 4"SD PERF PIPE
S=0.50%

79 LF - 4"SD PERF PIPE
S=0.50%

88 LF - 4"SD PERF PIPE
S=0.50%

102 LF - 4"SD PERF PIPE
S=0.50%

28 LF - 4"SD PERF PIPE
S=0.50%

SD COB-9
IE 12" IN=427.05 (S)
IE 12" OUT=427.05 (N)

SD COB-7
IE 4" IN=426.59 (SE)
IE 4" IN=426.59 (NW)
IE 6" OUT=426.51 (NE)

93 LF - 4"SD PERF PIPE
S=0.50%

28 LF - 4"SD PERF PIPE
S=0.50%

SD OF-2
IE 6" IN=426.52 (SE)

56 LF - 4" PERF. SD

SD OV-2
RIM=429.25
IE 4" IN=426.95 (NE)
IE 4" IN=426.95 (SW)
IE 4" IN=426.95 (SE)
IE 6" OUT=426.87 (NW)

100 LF - 4"SD PERF PIPE
S=1.00%

SD OF-1
IE 8" IN=427.96 (SE)

61 LF - 8"SD
S=0.50%

SD CO-1
IE 6" IN=428.44 (SW)
IE 6" OUT=428.44 (NE)

53 LF - 6"SD
S=0.50%

SD COB-1
IE 6" IN=428.26 (S)
IE 4" IN=428.42 (E)
IE 8" OUT=428.26 (NW)

7 LF - 4"SD PERF PIPE
S=0.50%

22 LF - 4"SD PERF PIPE
S=0.50%

37 LF - 4"SD PERF PIPE
S=0.50%

29 LF - 4"SD PERF PIPE
S=0.50%

69 LF - 6"SD
S=0.50%

52 LF - 4"SD PERF PIPE
S=0.50%

39 LF - 4"SD PERF PIPE
S=0.50%

67 LF - 4"SD PERF PIPE
S=0.50%

45 LF - 4"SD PERF PIPE
S=0.50%

82 LF 82 LF - 4"SD PIPE
START IE=429.39 TYP.
S=0.50%

47 LF - 4"SD PERF PIPE
S=0.50%

186 LF - 4"SD PERF PIPE
S=0.50%

67 LF - 4"SD PERF PIPE
S=0.50%

45 LF - 4"SD PERF PIPE
S=0.50%

52 LF - 4"SD PERF PIPE
S=0.50%

39 LF - 4"SD PERF PIPE
S=0.50%

37 LF - 4"SD PERF PIPE
S=0.50%

29 LF - 4"SD PERF PIPE
S=0.50%

60 LF - 6"SD
S=0.50%

22 LF - 4"SD PERF PIPE
S=0.50%

SD COB-2
IE 6" IN=428.60 (S)
IE 4" IN=429.16 (E)
IE 4" IN=428.98 (W)
IE 6" OUT=428.60 (N)

SD COB-3
IE 4" IN=429.28 (W)
IE 4" IN=429.36 (E)
IE 6" OUT=428.90 (N)

SD OV-1
RIM=429.95
IE 4" IN=429.02 (SE)
6" OUT=428.94 (NE)

FTP BOTTOM ELEV: 431.19

58 LF - 4"SD PERF PIPE

100 LF - 12"SD
S=0.50%

SD COB-10
IE 12" IN=427.55 (S)
IE 12" OUT=427.55 (N)

SD AD-3
RIM=428.01
IE 6" OUT=426.75 (E)

MATCHLINE SEE SHEET C4.2

100 LF - 12"SD
S=0.50%

SD COB-11
IE 12" IN=428.05 (S)
IE 12" OUT=428.05 (N)

100 LF - 12"SD
S=0.50%

FRD

FS

SD CO-14
IE 4" IN=428.87 (E)
IE 4" IN=428.87 (W)
IE 12" IN=428.55 (S)
IE 12" OUT=428.55 (N)

21 LF - 4" PERF. SD
S=1.00%

24 LF - 4" PERF. SD
S=1.00%

SD CO-23
IE 4" OUT=431.75 (E)

52 LF - 4" PERF. SD
S=1.00%

52 LF - 4" PERF. SD
S=1.00%

SD CO-24
IE 4" IN=430.78 (W)
IE 4" OUT=430.78 (E)

25 LF - 4" PERF. SD
S=1.00%

91 LF - 4" PERF. SD
S=1.00%

100 LF - 4" PERF. SD

S=0.50%

72 LF - 4" PERF. SD
S=0.50%

SD CO-22
IE 4" OUT=429.37 (W)
IE 4" OUT=428.68 (E)

SD CO-21
IE 4" IN=428.32 (W)
IE 4" OUT=428.32 (E)

CONNECT TO EXISTING CULVERT
IE 12" IN=429.36 (S) (EX)
IE 12" OUT=428.94 (N)
FIELD VERIFY POINT
OF CONNECTION

SCALE 1 INCH = 20 FEET
20 0 20 40

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ANNA LUTTRELL WATKINS
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Revisions

	Date
1	-
2	-
3	-

C4.1

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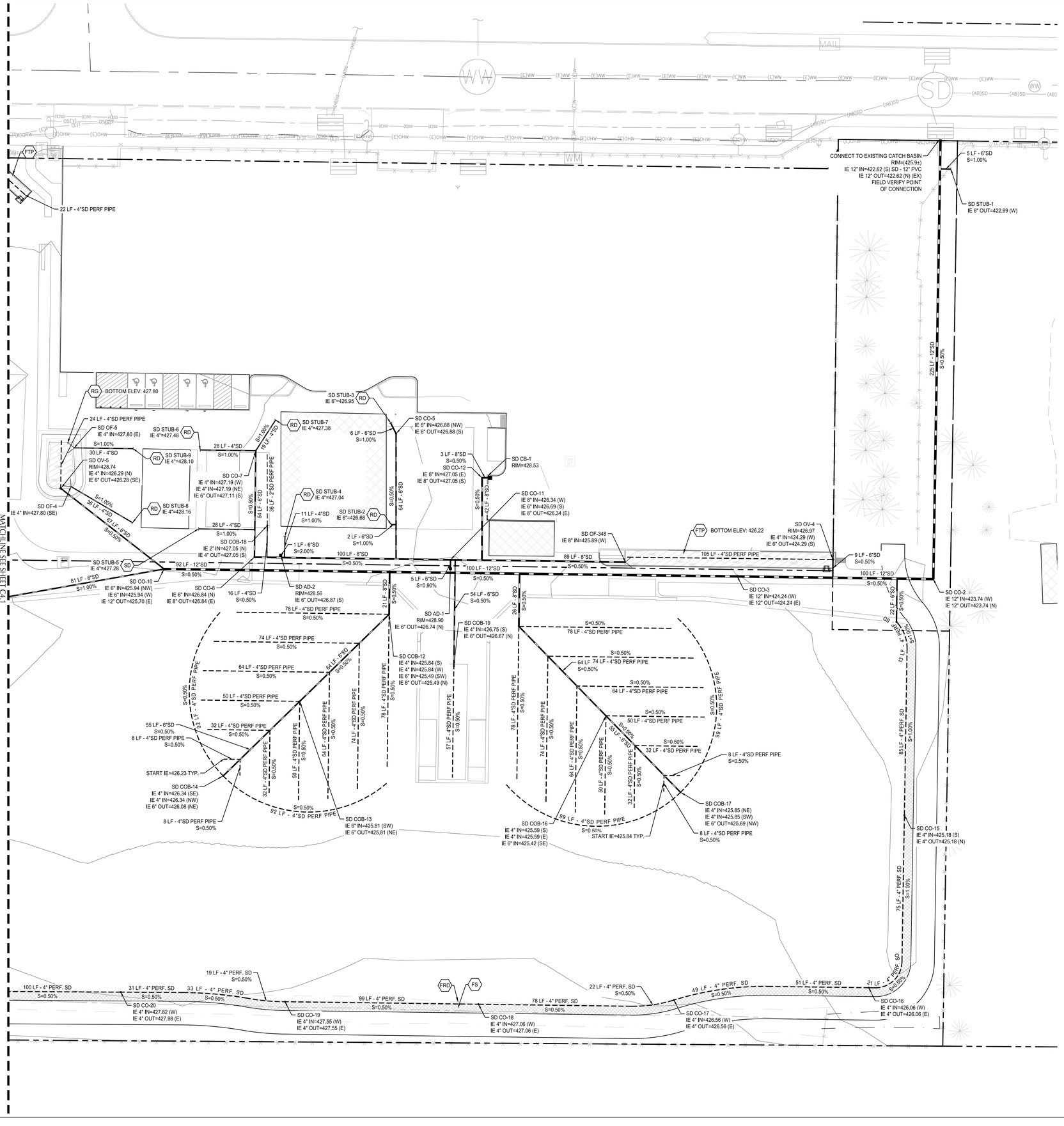
Plotted: 4/25/25 at 4:30pm By: MReyes



SHEET NOTES

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2. STRUCTURES LOCATIONS ARE BASED ON CENTER OF STRUCTURE, U.N.O.

UTILITY KEY NOTES

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FS	FILTER STRIP	14/C5.1
RD	CONNECT TO EXISTING ROOF DRAIN	16/C5.1
RG	RAIN GARDEN	2/C5.1

UTILITY LABEL LEGEND

STRUCTURE LABEL

XX XX-XX
N=XXXX.XX
E=XXXX.XX
RIM=
IE IN = XX.X
IE OUT = XX.X

- UTILITY TYPE (SD=STORM DRAINAGE, S=SANITARY SEWER, W=WATER, FP=FIRE PROTECTION)
- STRUCTURE TYPE CALLOUT
- ID NUMBER (WHERE APPLICABLE)
- LOCATION (WHERE APPLICABLE)
- STRUCTURE INFO (WHERE APPLICABLE)

PIPE LABEL

XXLF - XX" XX
S=X.XX%

- UTILITY LENGTH
- UTILITY SIZE
- UTILITY TYPE
- SLOPE (WHERE APPLICABLE)

STRUCTURE TYPE

CALLOUT	DESCRIPTION	DETAIL REF.
AD	AREA DRAIN	11/C5.1
CB	CATCH BASIN	8/C5.1
CO	CLEANOUT TO GRADE	6/C5.1
COB	CLEANOUT - BURIED	15/C5.1
OF	OUTFALL	10/C5.1
OV	OVERFLOW INLET	13/C5.1

SCALE 1 INCH = 20 FEET
20 0 20 40

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UTILITY PLAN

Date: 04/30/25
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Submission: BID DOCUMENTS

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1	-
2	-
3	-

C4.2

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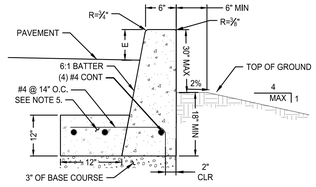
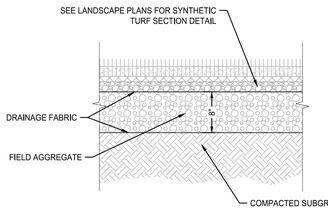
Printed: 4/25/25 at 4:30pm By: MReyes

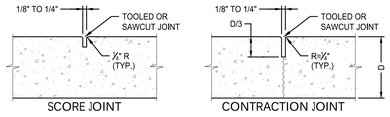


NOTES:
1. CURB EXPOSURE 'E' = 6", TYP. VARY AS SHOWN ON PLANS OR AS DIRECTED.
2. CONSTRUCT CONTRACTION JOINTS AT 15' MAX. SPACING AND AT RAMPS. CONSTRUCT EXPANSION JOINTS AT 200' MAX SPACING AT POINTS OF TANGENCY AND AT ENDS OF EACH DRIVEWAY.
3. TOPS OF ALL CURBS SHALL SLOPE TOWARD THE ROADWAY AT 2% UNLESS OTHERWISE SHOWN OR AS DIRECTED.
4. DIMENSIONS ARE NOMINAL AND MAY VARY TO CONFORM WITH CURB MACHINE AS APPROVED BY THE ENGINEER.
5. WHEN RETAINING DEPTH IS DEEPER THAN 24" CONSTRUCT FOOTING.

14 CONCRETE CURB WALL
SCALE: NTS



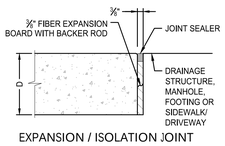
10 TURF BASE COURSE
SCALE: NTS



JOINT INTERVALS TABLE

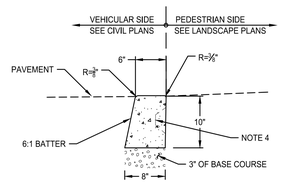
TYPE	SPACING	OR AT...
SCORE	5' TYP.	LOCATIONS SHOWN ON PLANS
CONTRACTION	15' MAX.	END OF RAMPS AND DRIVEWAYS
EXPANSION/ ISOLATION	200' *	POINTS OF TANGENCY AND AT ENDS OF EACH DRIVEWAY OR OTHER FIXED OBJECTS

* MONOLITHIC CURB AND SIDEWALK SHALL BE 45' MAX.



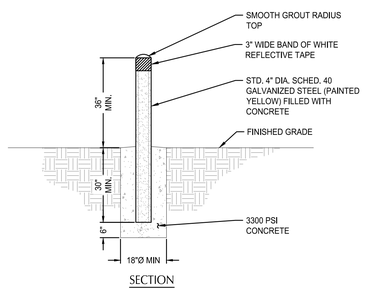
NOTES:
1. CONTRACTION JOINTS MAY BE USED IN PLACE OF SCORE JOINTS.
2. CONSTRUCTION COLD JOINTS MAY BE USED IN PLACE OF CONTRACTION JOINTS.
3. PROVIDE MEDIUM BROOM FINISH WITH NO TOOL MARKS.

11 TYP. SIDEWALK JOINTS
SCALE: NTS



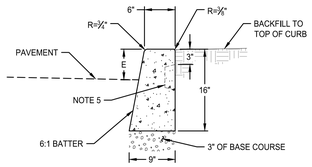
NOTES:
1. CONSTRUCT CONTRACTION JOINTS AT 15' MAX. SPACING AND AT RAMPS. CONSTRUCT EXPANSION JOINTS AT 200' MAX SPACING AT POINTS OF TANGENCY AND AT ENDS OF EACH DRIVEWAY.
2. TOPS OF ALL CURBS SHALL SLOPE TOWARD THE ROADWAY AT 2% UNLESS OTHERWISE SHOWN OR AS DIRECTED.
3. DIMENSIONS ARE NOMINAL AND MAY VARY TO CONFORM WITH CURB MACHINE AS APPROVED BY THE ENGINEER.
4. WHERE CONCRETE SIDEWALK IS USED. INSTALL KEYWAY INTO CURB AS SHOWN.

12 FLUSH CURB - STANDARD
SCALE: NTS



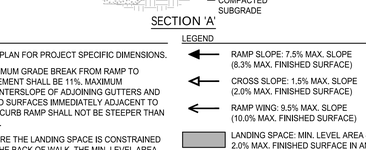
SECTION

13 PIPE BOLLARD
SCALE: NTS

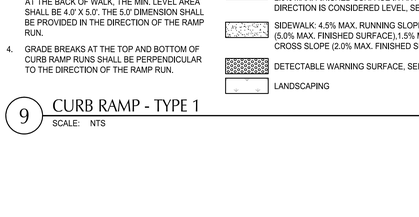


NOTES:
1. CURB EXPOSURE 'E' = 6", TYP. VARY AS SHOWN ON PLANS OR AS DIRECTED.
2. CONSTRUCT CONTRACTION JOINTS AT 15' MAX. SPACING AND AT RAMPS. CONSTRUCT EXPANSION JOINTS AT 200' MAX SPACING AT POINTS OF TANGENCY AND AT ENDS OF EACH DRIVEWAY.
3. TOPS OF ALL CURBS SHALL SLOPE TOWARD THE ROADWAY AT 2% UNLESS OTHERWISE SHOWN OR AS DIRECTED.
4. DIMENSIONS ARE NOMINAL AND MAY VARY TO CONFORM WITH CURB MACHINE AS APPROVED BY THE ENGINEER.
5. WHERE CONCRETE SIDEWALK IS USED. INSTALL KEYWAY INTO CURB AS SHOWN.

6 CONCRETE CURB - STANDARD
SCALE: NTS

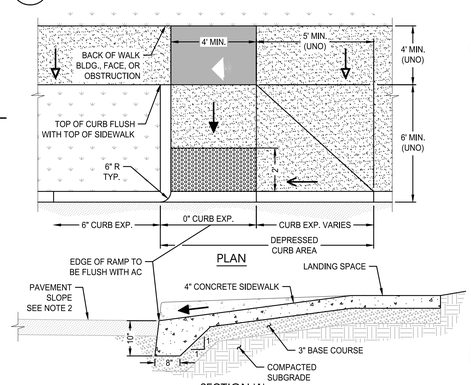


7 ASPHALT PAVEMENT SECTION
SCALE: NTS



NOTES:
1. DETECTABLE WARNINGS SHALL BE INSTALLED AS SHOWN IN PLANS AND DETAILS AND TO THE FULL WIDTH OF CURB RAMP OR FLUSH SURFACE. THE DETECTABLE WARNING SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE OR OTHER POTENTIAL HAZARD IS 6 TO 8 INCHES FROM THE CURB LINE OR OTHER POTENTIAL HAZARD.
2. DETECTABLE WARNING SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
3. MANUFACTURER OF DETECTABLE WARNING:
   ARMORCAST CAST IN PLACE DETECTABLE WARNING PANELS
   PH: (818) 982-3600 - ARMORCASTPROD.COM
   COLOR: SAFETY YELLOW
   OR APPROVED EQUAL

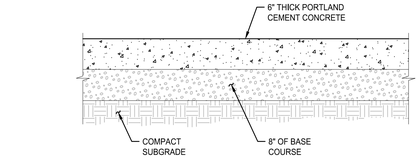
8 DETECTABLE WARNING - TYPE 2
SCALE: NTS



NOTES:
1. SEE PLAN FOR PROJECT SPECIFIC DIMENSIONS.
2. MAXIMUM GRADE BREAK FROM RAMP TO PAVEMENT SHALL BE 11%. MAXIMUM COUNTERSLOPE OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE CURB RAMP SHALL NOT BE STEEPER THAN 5.0%.
3. WHERE THE LANDING SPACE IS CONSTRAINED AT THE BACK OF WALK, THE MIN. LEVEL AREA SHALL BE 4.0' X 5.0'. THE 5.0' DIMENSION SHALL BE PROVIDED IN THE DIRECTION OF THE RAMP RUN.
4. GRADE BREAKS AT THE TOP AND BOTTOM OF CURB RAMP RUNS SHALL BE PERPENDICULAR TO THE DIRECTION OF THE RAMP RUN.

LEGEND
- RAMP SLOPE: 7.5% MAX. SLOPE (8.3% MAX. FINISHED SURFACE)
- CROSS SLOPE: 1.5% MAX. SLOPE (2.0% MAX. FINISHED SURFACE)
- RAMP WING: 9.5% MAX. SLOPE (10.0% MAX. FINISHED SURFACE)
- LANDING SPACE: MIN. LEVEL AREA 4.0' X 4.0', A 2.0% MAX. FINISHED SURFACE IN ANY DIRECTION IS CONSIDERED LEVEL, SEE NOTE 3
- SIDEWALK: 4.5% MAX. RUNNING SLOPE (5.0% MAX. FINISHED SURFACE),1.5% MAX. CROSS SLOPE (2.0% MAX. FINISHED SURFACE)
- DETECTABLE WARNING SURFACE, SEE X/CX.XX
- LANDSCAPING

9 CURB RAMP - TYPE 1
SCALE: NTS

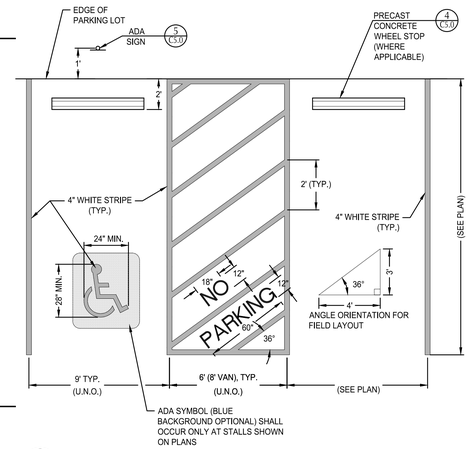


NOTES:
1. - CONSTRUCT CONTRACTION JOINTS AT 15' MAX. SPACING AND AT RAMPS.
   - CONSTRUCT EXPANSION JOINTS AT 200' MAX. SPACING AT POINTS OF TANGENCY AND AT ENDS OF EACH DRIVEWAY.
2. PROVIDE MEDIUM TO COARSE BROOM FINISH.

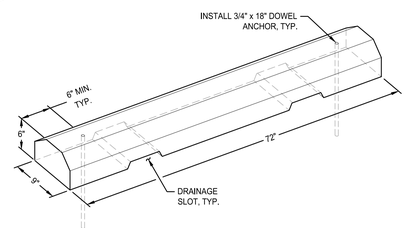
1 CONCRETE PAVEMENT SECTION
SCALE: NTS

NOTES:
1. CONSTRUCT JOINTS PER SIDEWALK JOINTS DETAIL ON THIS SHEET.

2 TYP. CONCRETE SIDEWALK
SCALE: NTS

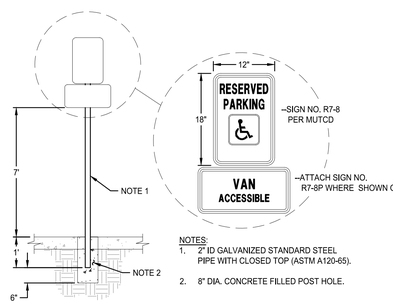


3 TYPICAL PARKING STRIPING AND LAYOUT-TYPE 1
SCALE: NTS



NOTES:
1. DIMENSIONS ARE NOMINAL AND MAY VARY TO CONFORM TO MANUFACTURER'S PRODUCTS APPROVED BY ENGINEER.

4 PRECAST CONCRETE WHEEL STOP
SCALE: NTS



NOTES:
1. 2" ID GALVANIZED STANDARD STEEL PIPE WITH CLOSED TOP (ASTM A120-65).
2. 8" DIA. CONCRETE FILLED POST HOLE.

5 ADA PARKING SIGN - TYPE 1
SCALE: NTS

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REGISTERED PROFESSIONAL ENGINEER 88168 OREGON MAY 28, 2015 ANNA LUTTRELL WATKINS
EXPIRATION DATE: 12/31/2025

Client
CITY OF VENETA
Kyle Schauer,
Public Works Director
88184 8th Street
Veneta, OR 97487
541- 935-2191

kpff
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Submission: BID DOCUMENTS

Revisions

	Date
1	-
2	-
3	-

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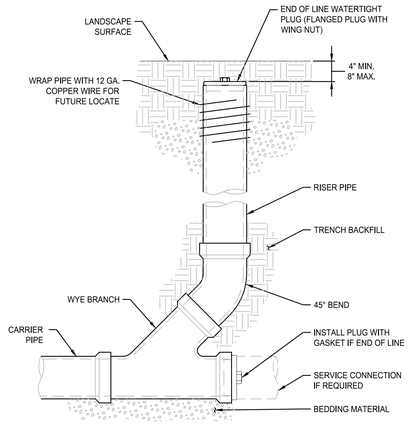
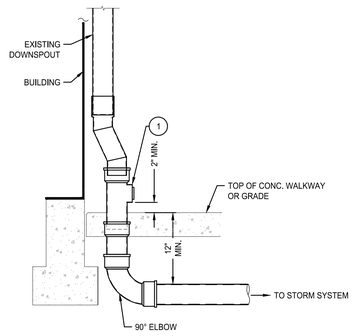


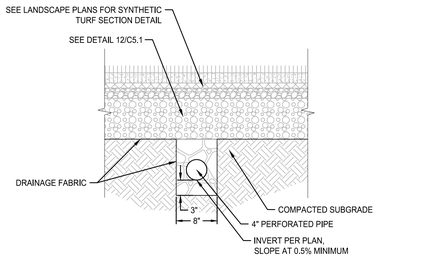
NOTES:
1. FOR CARRIER PIPE SIZE 6"Ø AND LESS, PROVIDE RISER PIPE SIZE TO MATCH CARRIER PIPE.
2. FOR CARRIER PIPE SIZE 8"Ø AND LARGER, RISER PIPE SHALL BE 6"Ø.
3. RISER PIPE MATERIAL TO MATCH CARRIER PIPE MATERIAL.

15 CLEANOUT - BURIED
SCALE: NTS

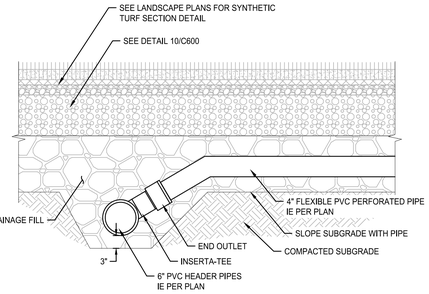


1 CAST-IRON OR DUCTILE IRON CLEANOUT TEE WITH COUNTERSUNK PLUG. DIAMETER SIZE TO MATCH SIZE ON PLANS. PROVIDE SUBMITTAL FOR APPROVAL BY ENGINEER/OWNER.

16 DOWNSPOUT
SCALE: NTS

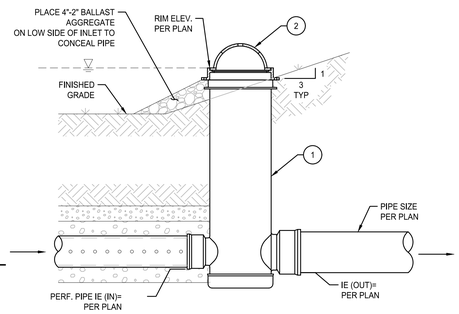


HERRINGBONE DRAINAGE SECTION



HEADER PIPE CONNECTION SECTION

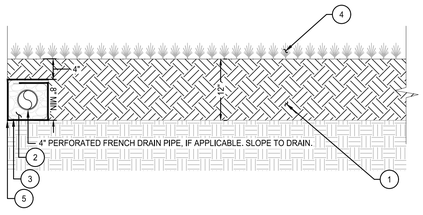
12 FIELD DRAINAGE
SCALE: NTS



1 12" NYLOPLAST DRAIN BASIN, OR APPROVED EQUAL

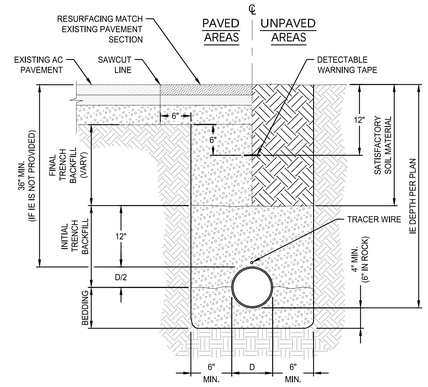
2 12" LIGHT DUTY DOMED GRATE MODEL 1299CGD BY ADS, OR APPROVED EQUAL

13 OVERFLOW INLET
SCALE: NTS

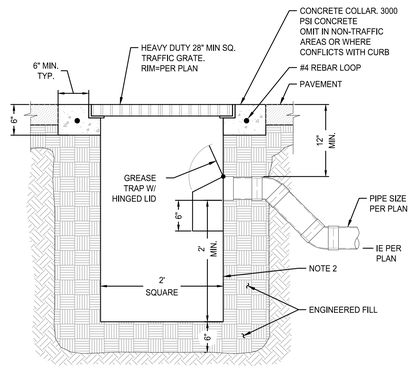


1 QUICK DRAINING GROWING MEDIUM PER SPECS.
2 DRAINAGE FILL.
3 DRAINAGE FABRIC. WRAP DRAINAGE FILL TRENCH WITH DRAINAGE FABRIC ALL SIDES WITH 6" MIN. OVERLAP
4 TURF GRASSES. SEE LANDSCAPE PLAN.
5 30 MIL IMPERMEABLE LINER.

14 FILTER STRIP SECTION WITH FRENCH DRAIN
SCALE: NTS



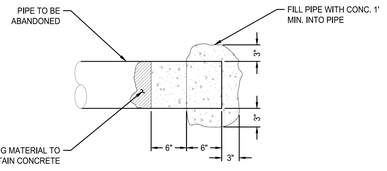
7 TYPICAL PIPE BEDDING AND BACKFILL
SCALE: NTS



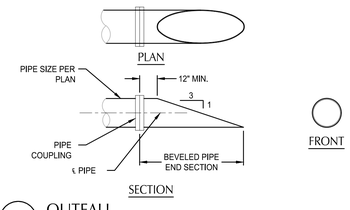
SECTION

NOTES:
1. CONTRACTOR TO WIDEN EXCAVATION AS REQUIRED TO OBTAIN COMPACTION WITH CONTRACTORS COMPACTION EQUIPMENT.
2. 1/4" STEEL PLATE, BITUMINOUS COATED. AS MANUFACTURED BY GIBSON STEEL BASINS OR APPROVED EQUAL.

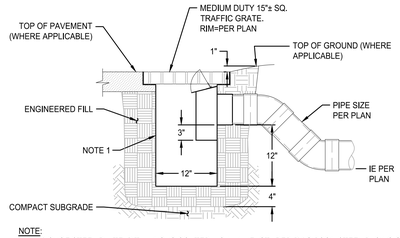
8 TRAPPED CATCH BASIN
SCALE: NTS



9 PLUG
SCALE: NTS

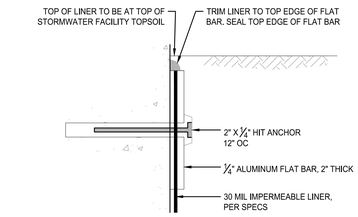


10 OUTFALL
SCALE: NTS

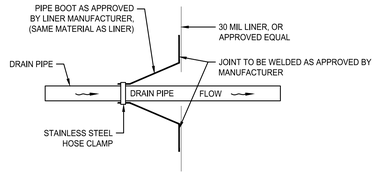


NOTE:
1. 10 GAGE STEEL PLATE, BITUMINOUS COATED, AS MANUFACTURED BY GIBSON STEEL BASINS OR APPROVED EQUAL.

11 AREA DRAIN
SCALE: NTS

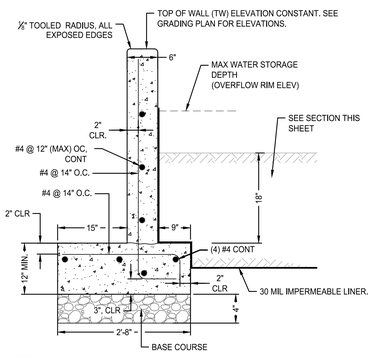


LINER ATTACHMENT

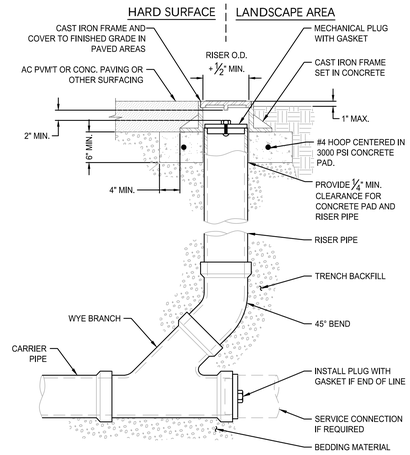


PIPE BOOT

4 IMPERMEABLE LINER
SCALE: NTS

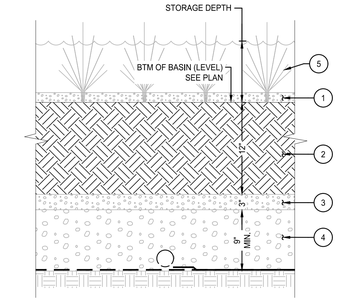


5 PLANTER WALL
SCALE: NTS



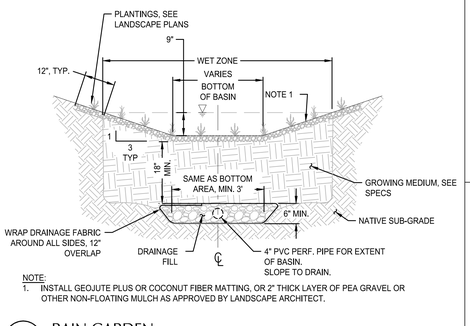
NOTES:
1. CAST IRON FRAME AND COVER SHALL MEET H-20 LOAD REQUIREMENT.
2. FOR CARRIER PIPE SIZE 6"Ø AND LESS, PROVIDE RISER PIPE SIZE TO MATCH CARRIER PIPE.
3. FOR CARRIER PIPE SIZE 8"Ø AND LARGER, RISER PIPE SHALL BE 6"Ø.
4. RISER PIPE MATERIAL TO MATCH CARRIER PIPE MATERIAL.

6 STANDARD CLEANOUT (COTG)
SCALE: NTS



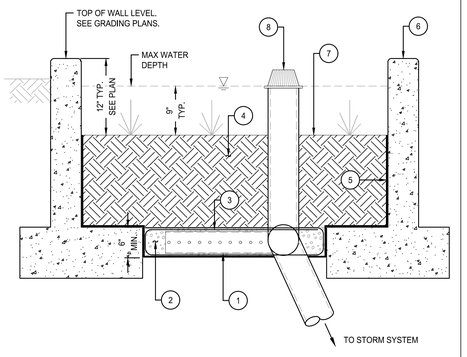
1 INSTALL NON-FLOATING MULCH.
2 STORMWATER FACILITY GROWING MEDIA PER SPECS.
3 DRAINAGE LENS COURSE (¾" - NO. 4 OPEN GRADED AGGREGATE).
4 DRAINAGE FILL PER SPECS.
5 PLANTING SEE LANDSCAPE PLANS.

1 TYPICAL STORMWATER FACILITY SECTION
SCALE: NTS



NOTE:
1. INSTALL GEOJUTE PLUS OR COCONUT FIBER MATTING, OR 2" THICK LAYER OF PEA GRAVEL OR OTHER NON-FLOATING MULCH AS APPROVED BY LANDSCAPE ARCHITECT.

2 RAIN GARDEN
SCALE: NTS



1 4" PVC PERF. PIPE FOR EXTENT OF FACILITY, SLOPE TO DRAIN.
2 DRAINAGE FILL, MIN. THICKNESS AS SHOWN.
3 WRAP DRAINAGE FABRIC AROUND ALL SIDES OF DRAINAGE FILL ZONE, 12" OVERLAP.
4 GROWING MEDIUM PER SOIL PREPARATION SPECIFICATIONS. THICKNESS AS SHOWN.
5 30 MIL IMPERMEABLE LINER. WRAP UP PLANTER WALLS AS SHOWN. ATTACH TO WALLS AND PENETRATE WITH PIPES AS SHOWN IN DETAIL 4/C5.1.
6 CONCRETE PLANTER WALL SEE DETAIL 5/C5.1.
7 PLANTINGS. SEE LANDSCAPE PLANS.
8 OVERFLOW INLET, SEE PLAN FOR TYPE.

3 TYPICAL FLOW-THROUGH PLANTER
SCALE: NTS

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REGISTERED PROFESSIONAL ENGINEER 88168 OREGON MAY 28, 2015 ANNA LUTTRELL RAGNUS
EXPIRATION DATE: 12/31/2025

Client
CITY OF VENETA
Kyle Schauer,
Public Works Director
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Bolton Hills Sports Complex
24974 Bolton Hills Road
Venta, OR 97487
CIVIL DETAILS

Date: 04/30/25
Drawn By: MAR/DN/MR
Checked By: AB
Submission: BID DOCUMENTS

Revisions

1	Date	
2	-	
3	-	
4	-	

C5.1

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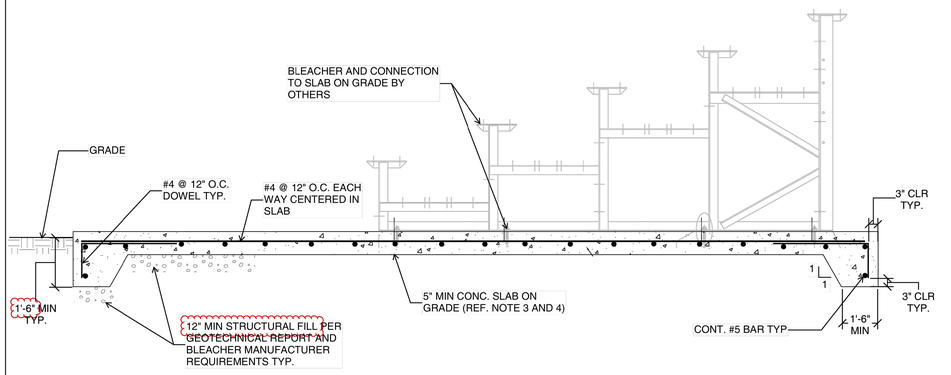
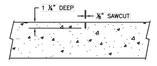
Plotted: 4/25/25 at 4:23 pm By: MReyes

kpff Portland, Oregon	Project: BOLTON HEAD SPORTS COMPLEX	By: KMR	Sheet No.: SK-2
	Location: VENETA, OR	Date: 4/9/25	
	Client: DLA	Revised: 4/18/25	Job No.:
	BLEACHER SLAB ON GRADE	Date	



NOTES:
1. CONCRETE TO HAVE F'C = 3,500 PSI (AT 28-DAY), MAX AGG SIZE OF 1" AND MEET REQUIREMENTS FOR EXPOSURE CLASS F1. PROVIDE 5% CONCRETE MIX AIR CONTENT. CONCRETE MIX TO BE DESIGNED AND PROPORTIONED PER ACI 318-19 CH. 26 AND ACI 301-16 SECTION 4.
2. CONCRETE REINFORCEMENT SHALL BE ASTM A615. GR. 60.
3. PROVIDE MINIMUM SLAB THICKNESS TO MEET BLEACHER MANUFACTURER REQUIREMENTS.
4. PROVIDE CONTROL JOINTS IN SLAB ON GRADE PER SECTION A-A. CONTROL JOINTS SHALL BE SAWED INTO SLAB TO FORM APPROPRIATE SQUARE PATTERNS U.N.O. THE MAX SPACING FOR CONTROL JOINT SHALL NOT EXCEED 13'-6" . CONTRACTOR TO COORDINATE CONTROL JOINT WITH BLEACHER MANUFACTURER.

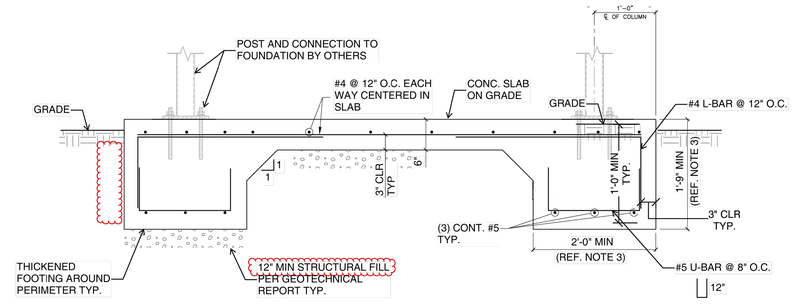


SECTION A-A

B BLEACHER SLAB ON GRADE

1 BLEACHER SLAB
SCALE: NTS

kpff Portland, Oregon	Project: BOLTON HEAD SPORTS COMPLEX	By: KMR	Sheet No.: SK-1
	Location: VENETA, OR	Date: 4/9/25	
	Client: DLA	Revised: 4/18/25	Job No.:
	DUGOUT FOUNDATIONS AND SLAB ON GRADE	Date	



NOTES:
1. CONCRETE TO HAVE F'C = 3,500 PSI (AT 28-DAY), MAX AGG SIZE OF 1" AND MEET REQUIREMENTS FOR EXPOSURE CLASS F1. PROVIDE 4.5% CONCRETE MIX AIR CONTENT. CONCRETE MIX TO BE DESIGNED AND PROPORTIONED PER ACI 318-19 CH. 26 AND ACI 301-16 SECTION 4.
2. CONCRETE REINFORCEMENT SHALL BE ASTM A615. GR. 60.
3. PROVIDE MINIMUM FOUNDATION SIZES TO MEET DUGOUT MANUFACTURER REQUIREMENTS.

A DUGOUT FOUNDATION

2 DUGOUT FOUNDATION
SCALE: NTS

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FOR INFORMATION ONLY

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Revisions

1	Date	
2	-	
3	-	
4	-	

C5.2

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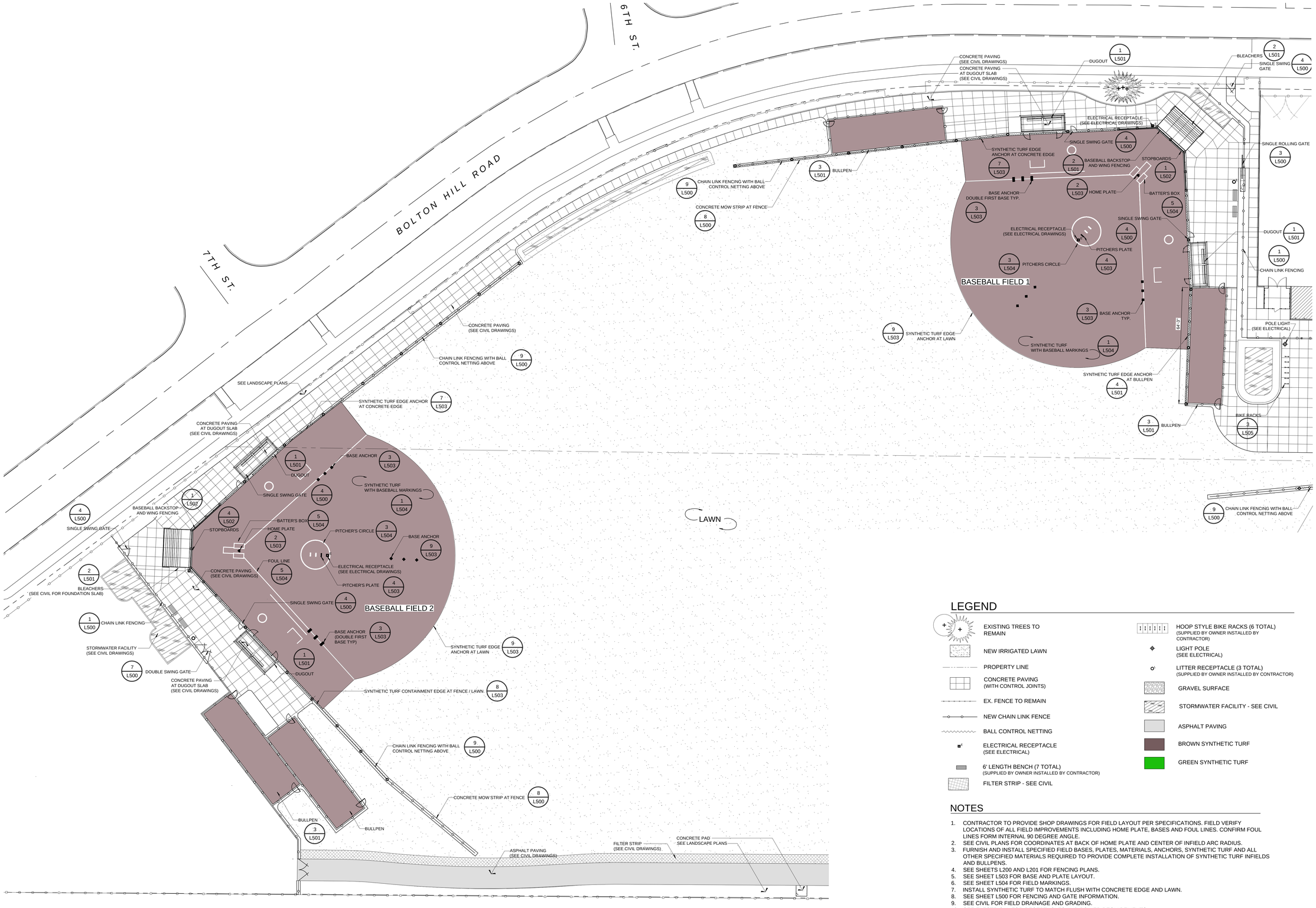

LEGEND

- EXISTING TREES TO REMAIN
- NEW IRRIGATED LAWN
- PROPERTY LINE
- CONCRETE PAVING (WITH CONTROL JOINTS)
- EX. FENCE TO REMAIN
- NEW CHAIN LINK FENCE
- BALL CONTROL NETTING
- ELECTRICAL RECEPTACLE (SEE ELECTRICAL)
- 6' LENGTH BENCH (7 TOTAL) (SUPPLIED BY OWNER INSTALLED BY CONTRACTOR)
- FILTER STRIP - SEE CIVIL
- HOOP STYLE BIKE RACKS (6 TOTAL) (SUPPLIED BY OWNER INSTALLED BY CONTRACTOR)
- LIGHT POLE (SEE ELECTRICAL)
- LITTER RECEPTACLE (3 TOTAL) (SUPPLIED BY OWNER INSTALLED BY CONTRACTOR)
- GRAVEL SURFACE
- STORMWATER FACILITY - SEE CIVIL
- ASPHALT PAVING
- BROWN SYNTHETIC TURF
- GREEN SYNTHETIC TURF

NOTES

1. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR FIELD LAYOUT PER SPECIFICATIONS. FIELD VERIFY LOCATIONS OF ALL FIELD IMPROVEMENTS INCLUDING HOME PLATE, BASES AND FOUL LINES. CONFIRM FOUL LINES FORM INTERNAL 90 DEGREE ANGLE.
2. SEE CIVIL PLANS FOR COORDINATES AT BACK OF HOME PLATE AND CENTER OF INFIELD ARC RADIUS.
3. FURNISH AND INSTALL SPECIFIED FIELD BASES, PLATES, MATERIALS, ANCHORS, SYNTHETIC TURF AND ALL OTHER SPECIFIED MATERIALS REQUIRED TO PROVIDE COMPLETE INSTALLATION OF SYNTHETIC TURF INFIELDS AND BULLPENS.
4. SEE SHEETS L200 AND L201 FOR FENCING PLANS.
5. SEE SHEET L503 FOR BASE AND PLATE LAYOUT.
6. SEE SHEET L504 FOR FIELD MARKINGS.
7. INSTALL SYNTHETIC TURF TO MATCH FLUSH WITH CONCRETE EDGE AND LAWN.
8. SEE SHEET L500 FOR FENCING AND GATE INFORMATION.
9. SEE CIVIL FOR FIELD DRAINAGE AND GRADING.
10. SEE ELECTRICAL FOR RECEPTACLES AND POWER REQUIREMENTS.
11. SEE SHEETS L300 AND L301 FOR PLANTING.

SITE PLAN - WEST

0 5 10 20 40 80

SCALE: 1"=20'-0"

NORTH

DLA
DOUGHERTY LANDSCAPE ARCHITECTS
474 Willamette Street
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REGISTERED 279 David J. Dougherty OREGON LANDSCAPE ARCHITECT

Client
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Kyle Schauer,
Public Works Director
88184 8th Street
Veneta, OR 97487
541- 935-2191

VENETA oregon

Bolton Hill Sports Complex

24974 Bolton Hill Road
Veneta, OR 97487

Date: 4-30-25
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Checked By: DJD
Submission:
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Revisions

L100

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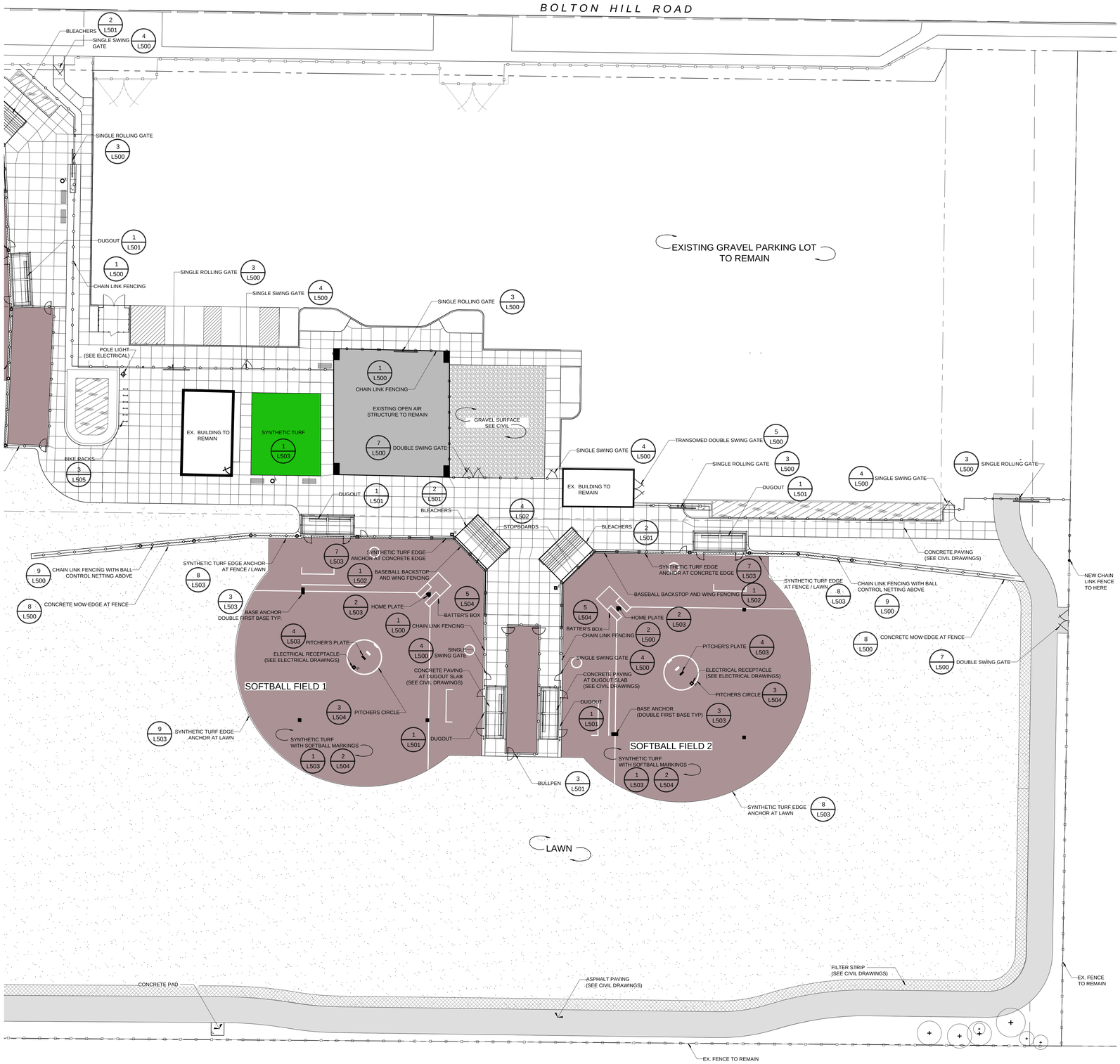

LEGEND

- EXISTING TREES TO REMAIN
- NEW IRRIGATED LAWN
- PROPERTY LINE
- CONCRETE PAVING (WITH CONTROL JOINTS)
- EX. FENCE TO REMAIN
- NEW CHAIN LINK FENCE
- BALL CONTROL NETTING
- ELECTRICAL RECEPTACLE (SEE ELECTRICAL)
- 6' LENGTH BENCH (7 TOTAL) (SUPPLIED BY OWNER INSTALLED BY CONTRACTOR)
- FILTER STRIP - SEE CIVIL
- HOOP STYLE BIKE RACKS (6 TOTAL) (SUPPLIED BY OWNER INSTALLED BY CONTRACTOR)
- LIGHT POLE (SEE ELECTRICAL)
- LITTER RECEPTACLE (3 TOTAL) (SUPPLIED BY OWNER INSTALLED BY CONTRACTOR
- GRAVEL SURFACE
- STORMWATER FACILITY - SEE CIVIL
- ASPHALT PAVING
- BROWN SYNTHETIC TURF
- GREEN SYNTHETIC TURF

NOTES

1. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR FIELD LAYOUT PER SPECIFICATIONS. FIELD VERIFY LOCATIONS OF ALL FIELD IMPROVEMENTS INCLUDING HOME PLATE, BASES AND FOUL LINES. CONFIRM FOUL LINES FORM INTERNAL 90 DEGREE ANGLE.
2. SEE CIVIL PLANS FOR COORDINATES AT BACK OF HOME PLATE AND CENTER OF INFIELD ARC RADIUS.
3. FURNISH AND INSTALL SPECIFIED FIELD BASES, PLATES, MATERIALS, ANCHORS, SYNTHETIC TURF AND ALL OTHER SPECIFIED MATERIALS REQUIRED TO PROVIDE COMPLETE INSTALLATION OF SYNTHETIC TURF INFIELDS AND BULLPENS.
4. SEE SHEETS L200 AND L201 FOR FENCING PLANS.
5. SEE SHEET L503 FOR BASE AND PLATE LAYOUT.
6. SEE SHEET L504 FOR FIELD MARKINGS.
7. INSTALL SYNTHETIC TURF TO MATCH FLUSH WITH CONCRETE EDGE AND LAWN.
8. SEE SHEET L500 FOR FENCING AND GATE INFORMATION.
9. SEE CIVIL FOR FIELD DRAINAGE AND GRADING.
10. SEE ELECTRICAL FOR RECEPTACLES AND POWER REQUIREMENTS.
11. SEE SHEETS L300 AND L301 FOR PLANTING.

SITE PLAN - EAST

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SCALE: 1"=20'-0"

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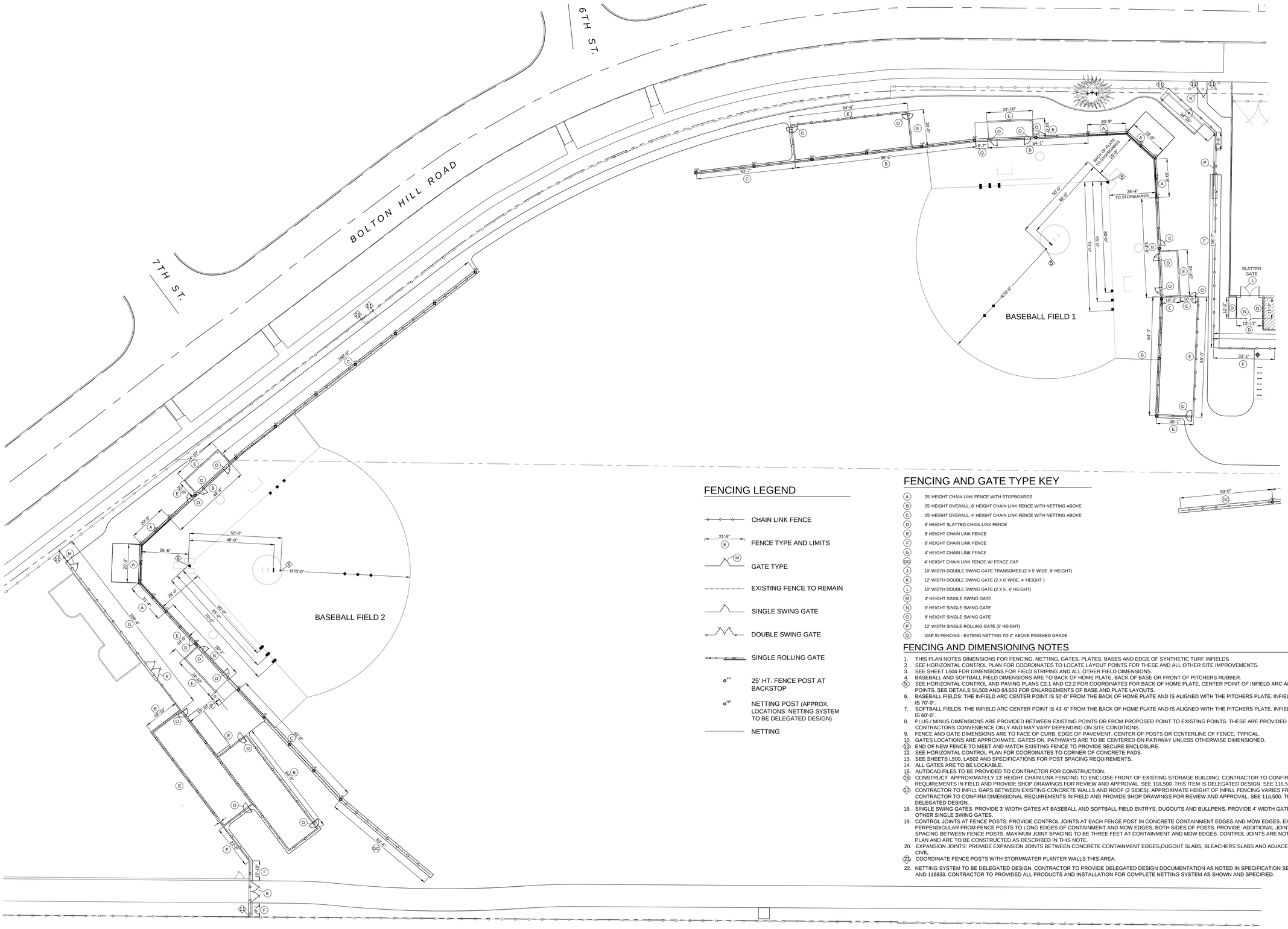

FENCING LEGEND

- CHAIN LINK FENCE
- 21'-5" (E) — FENCE TYPE AND LIMITS
- (M) — GATE TYPE
- EXISTING FENCE TO REMAIN
- SINGLE SWING GATE
- DOUBLE SWING GATE
- SINGLE ROLLING GATE
- FP — 25' HT. FENCE POST AT BACKSTOP
- NP — NETTING POST (APPROX. LOCATIONS. NETTING SYSTEM TO BE DELEGATED DESIGN)
- NETTING

FENCING AND GATE TYPE KEY

- (A) 25' HEIGHT CHAIN LINK FENCE WITH STOPBOARDS
- (B) 25' HEIGHT OVERALL; 8' HEIGHT CHAIN LINK FENCE WITH NETTING ABOVE
- (C) 25' HEIGHT OVERALL; 4' HEIGHT CHAIN LINK FENCE WITH NETTING ABOVE
- (D) 6' HEIGHT SLATTED CHAIN LINK FENCE
- (E) 8' HEIGHT CHAIN LINK FENCE
- (F) 6' HEIGHT CHAIN LINK FENCE
- (G) 4' HEIGHT CHAIN LINK FENCE
- (GC) 4' HEIGHT CHAIN LINK FENCE W/ FENCE CAP
- (J) 10' WIDTH DOUBLE SWING GATE TRANSOMED (2 X 5' WIDE, 8' HEIGHT)
- (K) 12' WIDTH DOUBLE SWING GATE (2 X 6' WIDE, 4' HEIGHT)
- (L) 10' WIDTH DOUBLE SWING GATE (2 X 5', 6' HEIGHT)
- (M) 4' HEIGHT SINGLE SWING GATE
- (N) 6' HEIGHT SINGLE SWING GATE
- (O) 8' HEIGHT SINGLE SWING GATE
- (P) 12' WIDTH SINGLE ROLLING GATE (6' HEIGHT)
- (Q) GAP IN FENCING - EXTEND NETTING TO 2" ABOVE FINISHED GRADE

FENCING AND DIMENSIONING NOTES

1. THIS PLAN NOTES DIMENSIONS FOR FENCING, NETTING, GATES, PLATES, BASES AND EDGE OF SYNTHETIC TURF INFIELDS.
2. SEE HORIZONTAL CONTROL PLAN FOR COORDINATES TO LOCATE LAYOUT POINTS FOR THESE AND ALL OTHER SITE IMPROVEMENTS.
3. SEE SHEET L504 FOR DIMENSIONS FOR FIELD STRIPING AND ALL OTHER FIELD DIMENSIONS.
4. BASEBALL AND SOFTBALL FIELD DIMENSIONS ARE TO BACK OF HOME PLATE, BACK OF BASE OR FRONT OF PITCHERS RUBBER.
5. SEE HORIZONTAL CONTROL AND PAVING PLANS C2.1 AND C2.2 FOR COORDINATES FOR BACK OF HOME PLATE, CENTER POINT OF INFIELD ARC AND TURF EDGE POINTS. SEE DETAILS 5/L503 AND 6/L503 FOR ENLARGEMENTS OF BASE AND PLATE LAYOUTS.
6. BASEBALL FIELDS: THE INFIELD ARC CENTER POINT IS 50'-0" FROM THE BACK OF HOME PLATE AND IS ALIGNED WITH THE PITCHERS PLATE. INFIELD ARC RADIUS IS 70'-0".
7. SOFTBALL FIELDS: THE INFIELD ARC CENTER POINT IS 43'-0" FROM THE BACK OF HOME PLATE AND IS ALIGNED WITH THE PITCHERS PLATE. INFIELD ARC RADIUS IS 60'-0".
8. PLUS / MINUS DIMENSIONS ARE PROVIDED BETWEEN EXISTING POINTS OR FROM PROPOSED POINT TO EXISTING POINTS. THESE ARE PROVIDED FOR CONTRACTORS CONVENIENCE ONLY AND MAY VARY DEPENDING ON SITE CONDITIONS.
9. FENCE AND GATE DIMENSIONS ARE TO FACE OF CURB, EDGE OF PAVEMENT, CENTER OF POSTS OR CENTERLINE OF FENCE, TYPICAL.
10. GATES LOCATIONS ARE APPROXIMATE. GATES ON PATHWAYS ARE TO BE CENTERED ON PATHWAY UNLESS OTHERWISE DIMENSIONED.
11. END OF NEW FENCE TO MEET AND MATCH EXISTING FENCE TO PROVIDE SECURE ENCLOSURE.
12. SEE HORIZONTAL CONTROL PLAN FOR COORDINATES TO CORNER OF CONCRETE PADS.
13. SEE SHEETS L500, LA502 AND SPECIFICATIONS FOR POST SPACING REQUIREMENTS.
14. ALL GATES ARE TO BE LOCKABLE.
15. AUTOCAD FILES TO BE PROVIDED TO CONTRACTOR FOR CONSTRUCTION.
16. CONSTRUCT APPROXIMATELY 13' HEIGHT CHAIN LINK FENCING TO ENCLOSE FRONT OF EXISTING STORAGE BUILDING. CONTRACTOR TO CONFIRM DIMENSIONAL REQUIREMENTS IN FIELD AND PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL. SEE 10/L500. THIS ITEM IS DELEGATED DESIGN. SEE 11/L500.
17. CONTRACTOR TO INFILL GAPS BETWEEN EXISTING CONCRETE WALLS AND ROOF (2 SIDES). APPROXIMATE HEIGHT OF INFILL FENCING VARIES FROM 6" TO 30". CONTRACTOR TO CONFIRM DIMENSIONAL REQUIREMENTS IN FIELD AND PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL. SEE 11/L500. THIS ITEM IS DELEGATED DESIGN.
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19. CONTROL JOINTS AT FENCE POSTS: PROVIDE CONTROL JOINTS AT EACH FENCE POST IN CONCRETE CONTAINMENT EDGES AND MOW EDGES. EXTEND JOINTS PERPENDICULAR FROM FENCE POSTS TO LONG EDGES OF CONTAINMENT AND MOW EDGES, BOTH SIDES OF POSTS. PROVIDE ADDITIONAL JOINTS AT EVEN SPACING BETWEEN FENCE POSTS. MAXIMUM JOINT SPACING TO BE THREE FEET AT CONTAINMENT AND MOW EDGES. CONTROL JOINTS ARE NOT SHOWN ON PLAN AND ARE TO BE CONSTRUCTED AS DESCRIBED IN THIS NOTE.
20. EXPANSION JOINTS: PROVIDE EXPANSION JOINTS BETWEEN CONCRETE CONTAINMENT EDGES,DUGOUT SLABS, BLEACHERS SLABS AND ADJACENT PAVING. SEE CIVIL.
21. COORDINATE FENCE POSTS WITH STORMWATER PLANTER WALLS THIS AREA.
22. NETTING SYSTEM TO BE DELEGATED DESIGN. CONTRACTOR TO PROVIDE DELEGATED DESIGN DOCUMENTATION AS NOTED IN SPECIFICATION SECTIONS 01340 AND 116833. CONTRACTOR TO PROVIDED ALL PRODUCTS AND INSTALLATION FOR COMPLETE NETTING SYSTEM AS SHOWN AND SPECIFIED.

LAYOUT AND FENCING PLAN - WEST

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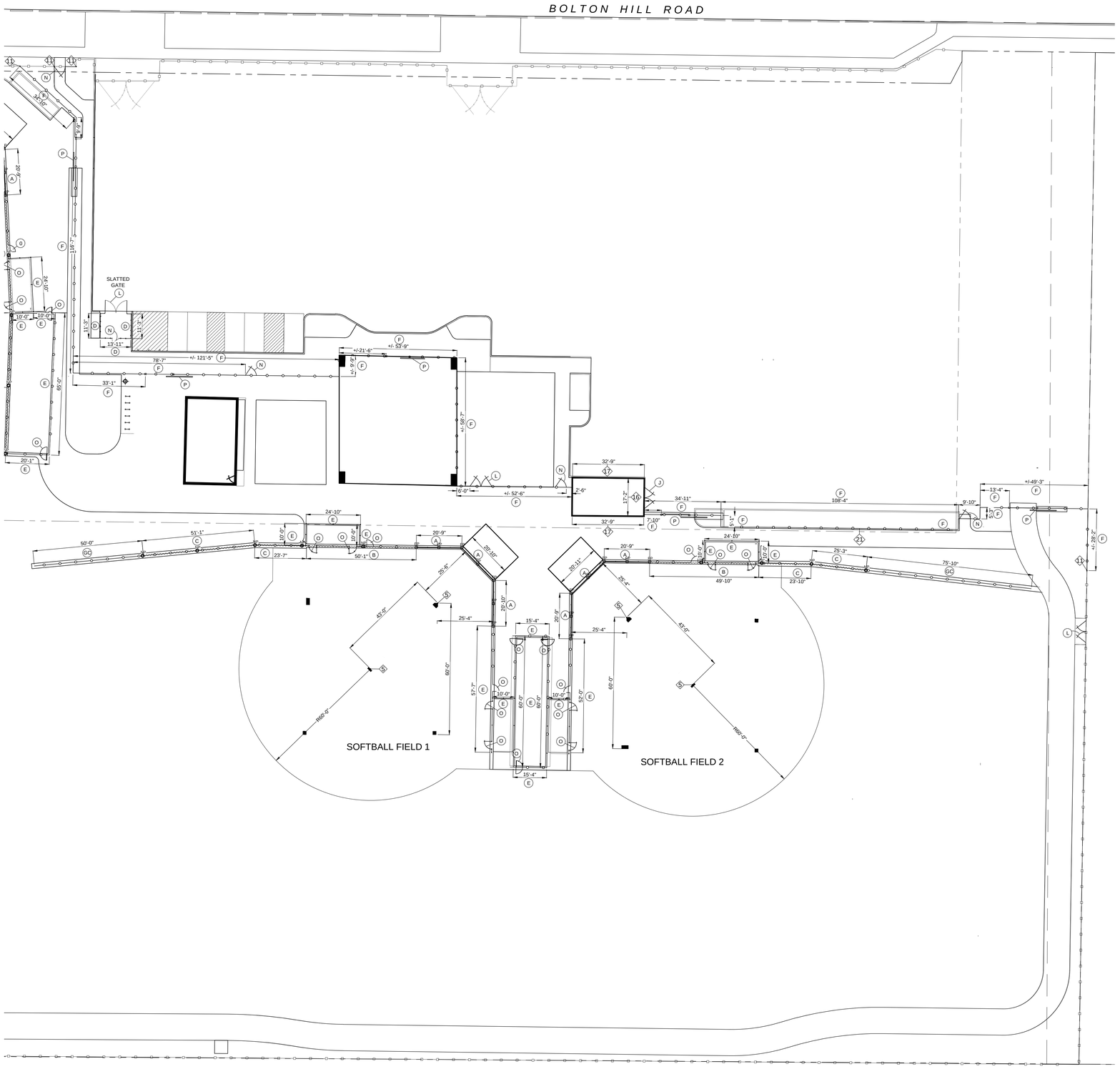

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LAYOUT AND FENCING PLAN - EAST

0 5 10 20 40 80

SCALE: 1"=20'-0"

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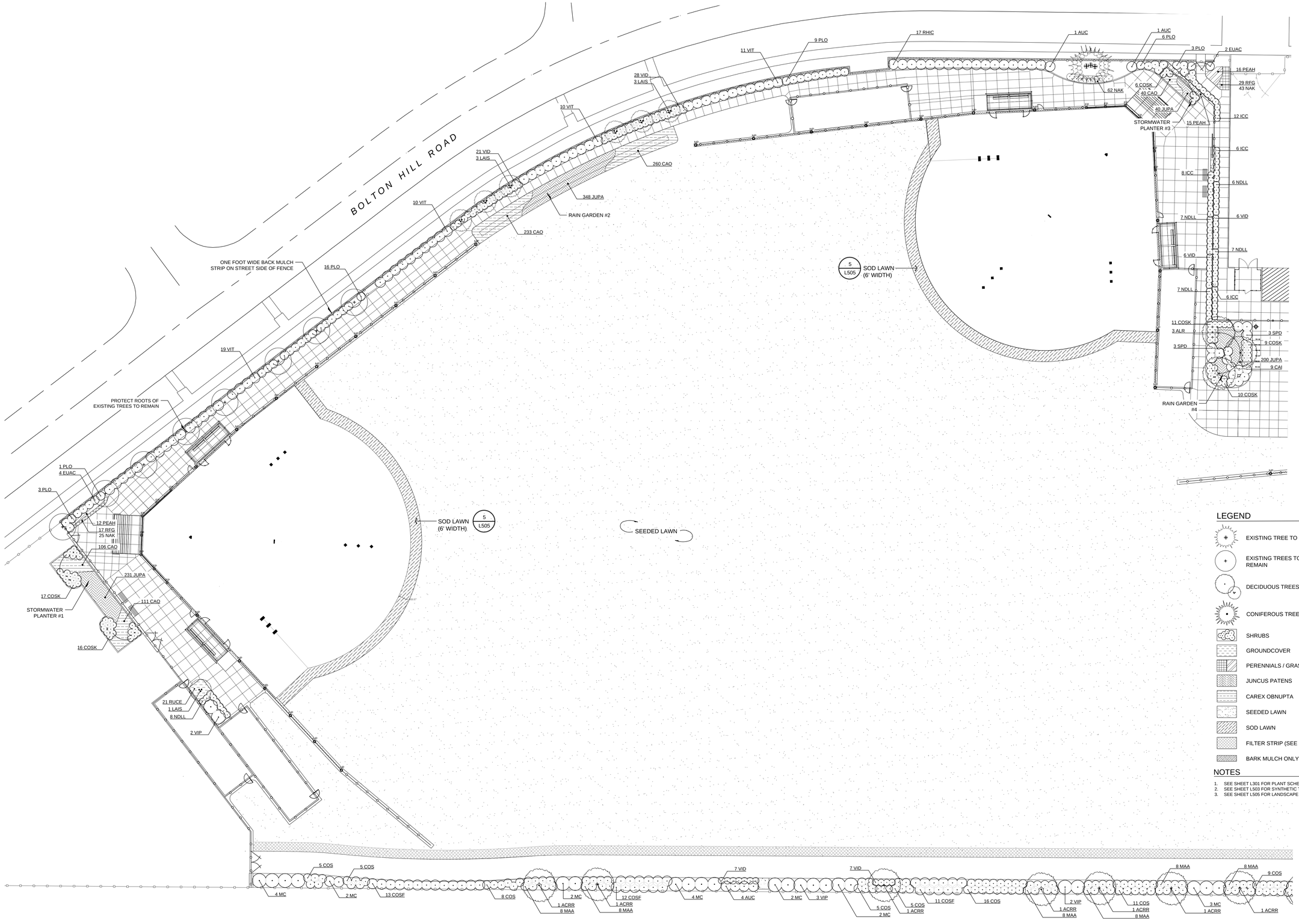

LEGEND

- EXISTING TREE TO REMAIN
- EXISTING TREES TO REMAIN
- DECIDUOUS TREES
- CONIFEROUS TREES
- SHRUBS
- GROUNDCOVER
- PERENNIALS / GRASSES
- JUNCUS PATENS
- CAREX OBNUPTA
- SEEDED LAWN
- SOD LAWN
- FILTER STRIP (SEE SHEET C5.1)
- BARK MULCH ONLY

NOTES

1. SEE SHEET L301 FOR PLANT SCHEDULE.
2. SEE SHEET L503 FOR SYNTHETIC TURF EDGE AT SOD LAWN.
3. SEE SHEET L505 FOR LANDSCAPE DETAILS.

LANDSCAPE PLAN - WEST

0 5 10 20 40 80

SCALE: 1"=20'-0"

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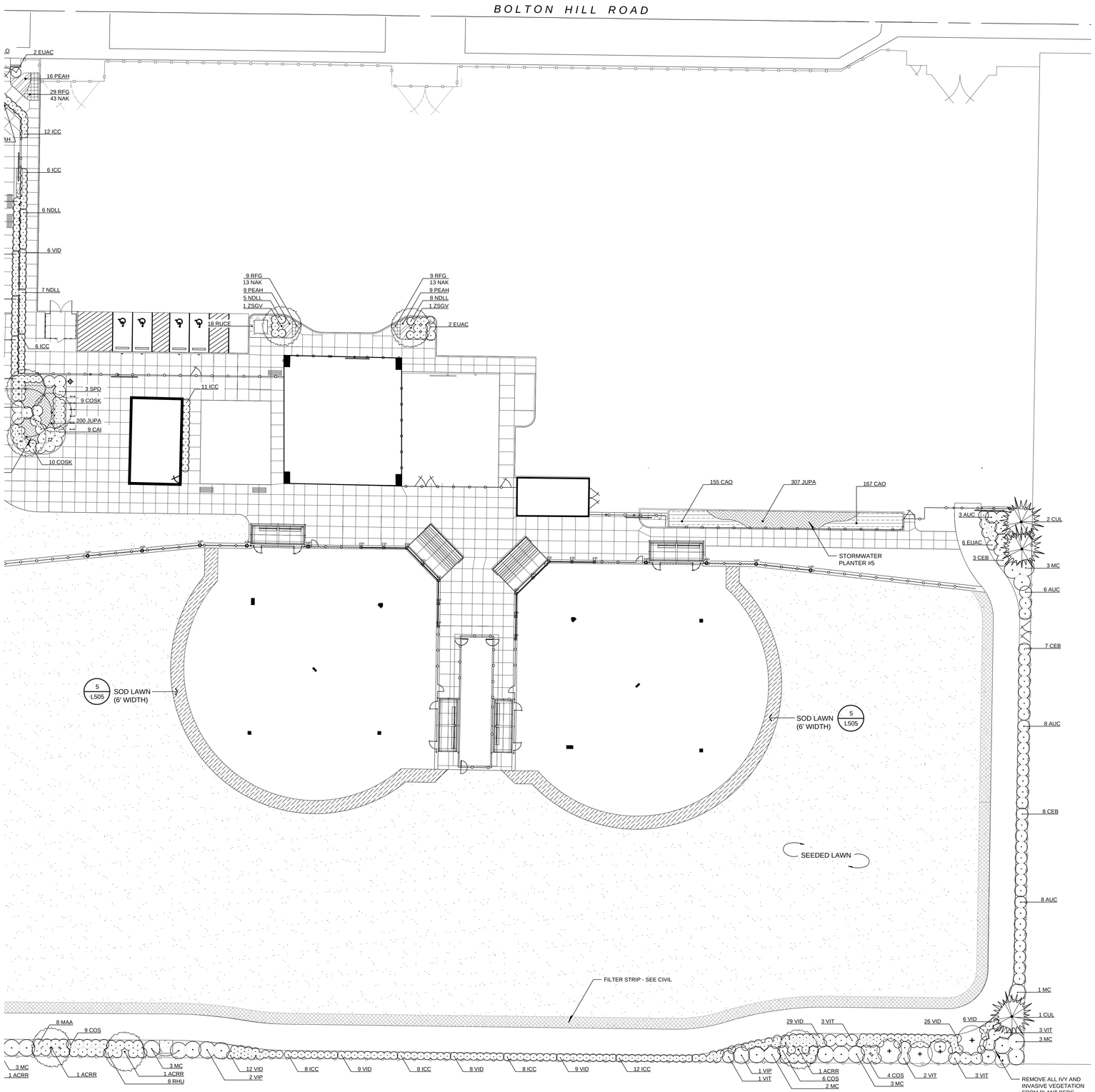

PLANT SCHEDULE

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
TREES					
ACRR	9	Acer rubrum `Red Sunset`	Red Sunset Maple	2" cal.	Matching, limbed up to approx. 6 ft.
CUL	3	Cupressus x leylandii	Leyland Cypress	8` HT	
LAIS	7	Lagerstroemia indica `Seminole`	Seminole Crape Myrtle Multi-Trunk	5` ht.	(3) stem min., B&B, matching, full
ZSGV	2	Zelkova serrata `Green Vase`	Green Vase Zelkova	2" cal.	Matching, limbed up to approx. 6 ft.
SHRUBS					
AUC	30	Arbutus unedo `Compacta`	Dwarf Strawberry Tree	5 gal	matching, full
CEB	18	Ceanothus x 'Blue Jeans'	Blue Jeans Wild Lilac	5 gal	Matching, full
COS	72	Cornus sericea	Red Twig Dogwood	5 gal	Matching, full
COSF	36	Cornus sericea `Flaviramea`	Yellow Twig Dogwood	5 gal	Matching, full
EUAC	14	Euonymus alatus `Compactus`	Compact Burning Bush	5 gal.	Matching, full
ICC	79	Ilex crenata `Compacta`	Japanese Holly	3 gal.	Matching, full
MAA	48	Mahonia aquifolium	Oregon Grape	3 gal	Matching, full
MC	32	Myrica californica	Pacific Wax Myrtle	5 gal	Matching, full
NDLL	48	Nandina domestica 'Lemon-Lime'	Lemon-Lime Heavenly Bamboo	3 gal	Matching, full
PLO	37	Prunus laurocerasus `Otto Luyken`	Otto Luyken English Laurel	5 gal	Matching, full
RHIC	17	Rhaphiolepis indica `Clara`	Indian Hawthorn	3 gal	Matching, full
VID	174	Viburnum davidii	David Viburnum	3 gal	Matching, full
VIP	10	Viburnum plicatum tomentosum	Doublefile Viburnum	5 gal	Matching, full
VIT	62	Viburnum tinus `Spring Bouquet`	Spring Bouquet Laurestinus	5 gal	Matching, full
RHU	8	Rhododendron x `Unique`	Unique Rhododendron	5 gal	Matching, full
GROUND COVERS					
NAK	94	Narcissus x 'King Alfred'	King Alfred Daffodil	Bulb	
PEAH	58	Pennisetum alopecuroides 'Hameln'	Hameln Fountain Grass	1 gal.	Matching, full
RUCE	39	Rubus calycinoides 'Emerald Carpet'	Emerald Carpet Creeping Bramble	1 gal.	Matching, full
RFG	64	Rudbeckia fulgida sullivantii 'Goldsturm'	Goldsturm Coneflower	1 gal.	Matching, full

STORMWATER PLANTER #1 - PLANT SCHEDULE (816 SF) SCHEME II

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
SHRUBS					
COSK	33	Cornus sericea `Kelseyi`	Dwarf Redtwig Dogwood	2 gal	Matching, full
GROUND COVERS					
CAO	217	Carex obnupta	Slough Sedge	4" pot	Matching, full
JUPA	231	Juncus patens	California Gray Rush	4" pot	Matching, full

RAIN GARDEN #2 - PLANT SCHEDULE (956 SF) SCHEME I

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
GROUND COVERS					
CAO	493	Carex obnupta	Slough Sedge	4" pot	Matching, full
JUPA	348	Juncus patens	California Gray Rush	4" pot	Matching, full

STORMWATER PLANTER #3 - PLANT SCHEDULE (146 SF) SCHEME II

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
SHRUBS					
COSK	6	Cornus sericea `Kelseyi`	Dwarf Redtwig Dogwood	2 gal	Matching, full
GROUND COVERS					
CAO	40	Carex obnupta	Slough Sedge	4" pot	Matching, full
JUPA	40	Juncus patens	California Gray Rush	4" pot	Matching, full

RAIN GARDEN #4 - PLANT SCHEDULE (758 SF) SCHEME III

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
TREES					
ALR	3	Alnus rubra	Red Alder	2" cal.	Matching
SHRUBS					
CAI	9	Cornus alba 'Baihalo'	Ivory Halo Dogwood	5 gal	Matching, full
SPD	15	Spiraea douglasii	Western Spirea	3 gal	Matching, full
COSK	30	Cornus sericea `Kelseyi`	Dwarf Redtwig Dogwood	2 gal	Matching, full
GROUND COVERS					
JUPA	200	Juncus patens	California Gray Rush	4" pot	Matching, full

STORMWATER PLANTER #5 - PLANT SCHEDULE (825 SF) SCHEME I

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
GROUND COVERS					
CAO	322	Carex obnupta	Slough Sedge	4" pot	Matching, full
JUPA	307	Juncus patens	California Gray Rush	4" pot	Matching, full

LEGEND

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- EXISTING TREES TO REMAIN
- DECIDUOUS TREES
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- JUNCUS PATENS
- CAREX OBNUPTA
- SEEDED LAWN
- SOD LAWN
- FILTER STRIP (SEE SHEET C5.1)
- BARK MULCH ONLY

NOTES

1. SEE SHEET L503 FOR SYNTHETIC TURF EDGE AT SOD LAWN.
2. SEE SHEET L505 FOR LANDSCAPE DETAILS.
3. SEE SHEET L400 AND L401 FOR IRRIGATION.

LANDSCAPE PLAN - EAST

0 5 10 20 40 80

SCALE: 1"=20'-0"

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Bolton Hill Sports Complex
24974 Bolton Hill Road
Veneta, OR 97487

Date: 4-30-25
Drawn By: EP / ES
Checked By: DJD
Submission:
BID DOCUMENTS
Revisions

L301

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GENERAL IRRIGATION NOTES

1. SEE SPECIFICATIONS FOR IRRIGATION REQUIREMENTS.
2. SEE SHEET L300 AND L301 FOR PLANTING.
3. CONVENE ON-SITE MEETING WITH LANDSCAPE ARCHITECT, IRRIGATION CONTRACTOR AND GENERAL CONTRACTOR PRIOR TO STARTING ANY IRRIGATION WORK.
4. CONTRACTOR TO VERIFY SUFFICIENT WATER VOLUME AND PRESSURE AT SITE TO OPERATE SYSTEM AS DESIGNED PRIOR TO START OF WORK. (60 PSI MINIMUM TO FURTHEST HEAD OF I-40 ROTOR ZONES). SEE SPECIFICATION FOR GENERAL TESTING REQUIREMENTS.
5. HAND EXCAVATE WITHIN VICINITY OF EXISTING UTILITIES AND CRITICAL ROOT ZONES OF TREES. ROUTE PIPES UNDER ROOTS OVER 2" DIAMETER.
6. CONTRACTOR TO VERIFY PLANT LOCATIONS PRIOR TO VALVE BOX INSTALLATION TO AVOID CONFLICTS. CONFLICTING HARDWARE WILL BE RELOCATED AT CONTRACTORS EXPENSE.
7. CONTRACTOR TO VERIFY SLEEVING AS SHOWN IS SUFFICIENT TO INSTALL SYSTEM INCLUDING SPARE WIRES. CONTRACTOR RESPONSIBLE FOR PROVIDING ADDITIONAL SLEEVING IF NECESSARY. SLEEVING TO BE INSTALLED AT SPECIFIED DEPTH.
8. SIZE LATERAL PIPING PER MAXIMUM FLOW RATES AS SHOWN ON PIPE SIZING CHART.
9. NOTIFY LANDSCAPE ARCHITECT OF ANY PROPOSED REVISIONS TO IRRIGATION SYSTEM DESIGN AND LAYOUT. REVISIONS ARE NOT PERMITTED WITHOUT PRIOR WRITTEN APPROVAL FROM LANDSCAPE ARCHITECT. WORK DONE WITHOUT APPROVAL WILL REQUIRE CORRECTION AT CONTRACTOR'S EXPENSE.
10. PROVIDE TWO SEPARATE TWO-WIRE PATHS FROM CONTROLLER. EXTEND ONE WIRE PATH WEST AND ONE WIRE PATH SOUTH AT FIRST MAINLINE JUNCTION.

REQUIRED HARDWARE (SOME NOT SHOWN ON PLAN)

1. PROVIDE AND INSTALL SPECIFIED ISOLATION VALVE IMMEDIATELY UPSTREAM OF EACH AUTOMATIC CONTROL VALVE (SEE DETAILS).
2. PROVIDE AND INSTALL SPECIFIED ID TAGS AT EACH AUTOMATIC CONTROL VALVE ASSEMBLY.
3. PROVIDE AND INSTALL ONE SPARE WIRE AT AUTOMATIC CONTROL VALVE AT ENDS OF MAINLINE RUNS.
4. PROVIDE MANUAL DRAIN VALVE AT MAINLINE LOW POINTS AT BOTH BRANCHES OF MAINLINE. TWO MINIMUM. SEE DETAIL.

PIPE SIZING CHART

MAXIMUM FLOW RATES FOR LATERAL PIPING	
PIPE SIZE	FLOW G.P.M.
1"	12
1 - 1/4"	22
1 - 1/2"	30
2"	50
2 - 1/2"	70
3"	110

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL
L S R LST SST RST	Hunter MP Strip PROS-06-PRS40-CV
M L O	Hunter MP1000 PROS-06-PRS40-CV
N G P	Hunter MP2000 PROS-06-PRS40-CV
B W A	Hunter MP3000 PROS-06-PRS40-CV
Φ 800 A Φ 800 F	Hunter MP800SR PROS-06-PRS40-CV
J I H	Hunter MP815 PROS-06-PRS40-CV
U S W LST SST RST	Hunter MP Strip PROS-12-PRS40-CV
M L O	Hunter MP1000 PROS-12-PRS40-CV
N G W	Hunter MP2000 PROS-12-PRS40-CV
Φ 800 A Φ 800 F	Hunter MP800SR PROS-12-PRS40-CV
J I H	Hunter MP815 PROS-12-PRS40-CV

SYMBOL	MANUFACTURER/MODEL
10	Hunter I-40-06-SS 10
13	Hunter I-40-06-SS 13

SYMBOL	MANUFACTURER/MODEL
	Hunter ICV-G
	Hunter HQ-44LRC
	Nibco T-113 (3")
	Zurn 350AST (3")
	Hunter I2C-4800-SS
	Hunter EZDM
BP	Munro SIMP23051PHBP

Irrigation Lateral Line: PVC Schedule 40

Irrigation Mainline: PVC Schedule 40 (3")

Pipe Sleeve: PVC Schedule 40
(1) 6" AND (1) 2" AT EACH LOCATION

Valve Callout
Valve Number
Valve Size

M EXISTING 2" WATER M

VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	PSI
1	Hunter ICV-G	1"	Shrub Rotary	12.06	46.9
2	Hunter ICV-G	1"	Turf Rotary	4.58	42.5
3	Hunter ICV-G	1-1/2"	Turf Rotor	79.1	68.1
4	Hunter ICV-G	1-1/2"	Turf Rotor	61.5	66.9
5	Hunter ICV-G	1-1/2"	Shrub Rotary	23.27	45.4
6	Hunter ICV-G	1-1/2"	Turf Rotor	61.5	67.9
7	Hunter ICV-G	1-1/2"	Turf Rotor	80.1	69.5
8	Hunter ICV-G	1"	Turf Rotary	20.44	44.7
9	Hunter ICV-G	2"	Turf Rotor	98.4	68.9
10	Hunter ICV-G	1-1/2"	Turf Rotor	34.9	64.9
11	Hunter ICV-G	1-1/2"	Turf Rotor	79.1	68.3
12	Hunter ICV-G	1-1/2"	Shrub Rotary	27.06	45.3
13	Hunter ICV-G	1-1/2"	Turf Rotor	86.1	69.6
14	Hunter ICV-G	1-1/2"	Turf Rotor	86.1	69.5
15	Hunter ICV-G	2"	Turf Rotor	98.4	67.8
16	Hunter ICV-G	2"	Turf Rotor	90.4	67.5
17	Hunter ICV-G	2"	Turf Rotor	98.4	68.0
18	Hunter ICV-G	2"	Turf Rotor	91.4	67.5
19	Hunter ICV-G	1-1/2"	Shrub Rotary	31.82	45.4
20	Hunter ICV-G	2"	Turf Rotor	98.4	68.7
21	Hunter ICV-G	1-1/2"	Turf Rotor	22.6	66.1
22	Hunter ICV-G	1"	Turf Rotary	14.4	43.5
23	Hunter ICV-G	1"	Turf Rotary	7.04	43.1
24	Hunter ICV-G	1-1/2"	Turf Rotor	45.2	65.4
25	Hunter ICV-G	1"	Turf Rotary	3.21	42.5
26	Hunter ICV-G	1"	Turf Rotary	14.63	43.5
27	Hunter ICV-G	1-1/2"	Turf Rotor	56.5	67.5
28	Hunter ICV-G	2"	Turf Rotor	98.4	69.4
29	Hunter ICV-G	1-1/2"	Turf Rotor	73.8	69.0
30	Hunter ICV-G	2"	Turf Rotor	98.4	68.8
31	Hunter ICV-G	1"	Shrub Rotary	8.82	43.6
32	Hunter ICV-G	1-1/2"	Turf Rotor	67.8	68.7
33	Hunter ICV-G	1-1/2"	Turf Rotor	56.5	67.6
34	Hunter ICV-G	1"	Shrub Rotary	4.8	43.1

BOLTON HILL ROAD

SEE NOTE #10

LOCATE VALVE BOXES ALONG THIS EDGE IN LAWN APPROXIMATELY ONE FOOT FROM EDGE OF ADJACENT PAVING.

IRRIGATION PLAN - WEST

0 5 10 20 40 80

SCALE: 1"=20'-0"

NORTH

DLA
DOUGHERTY LANDSCAPE ARCHITECTS
474 Willamette Street
Suite 305
Eugene, Oregon 97401
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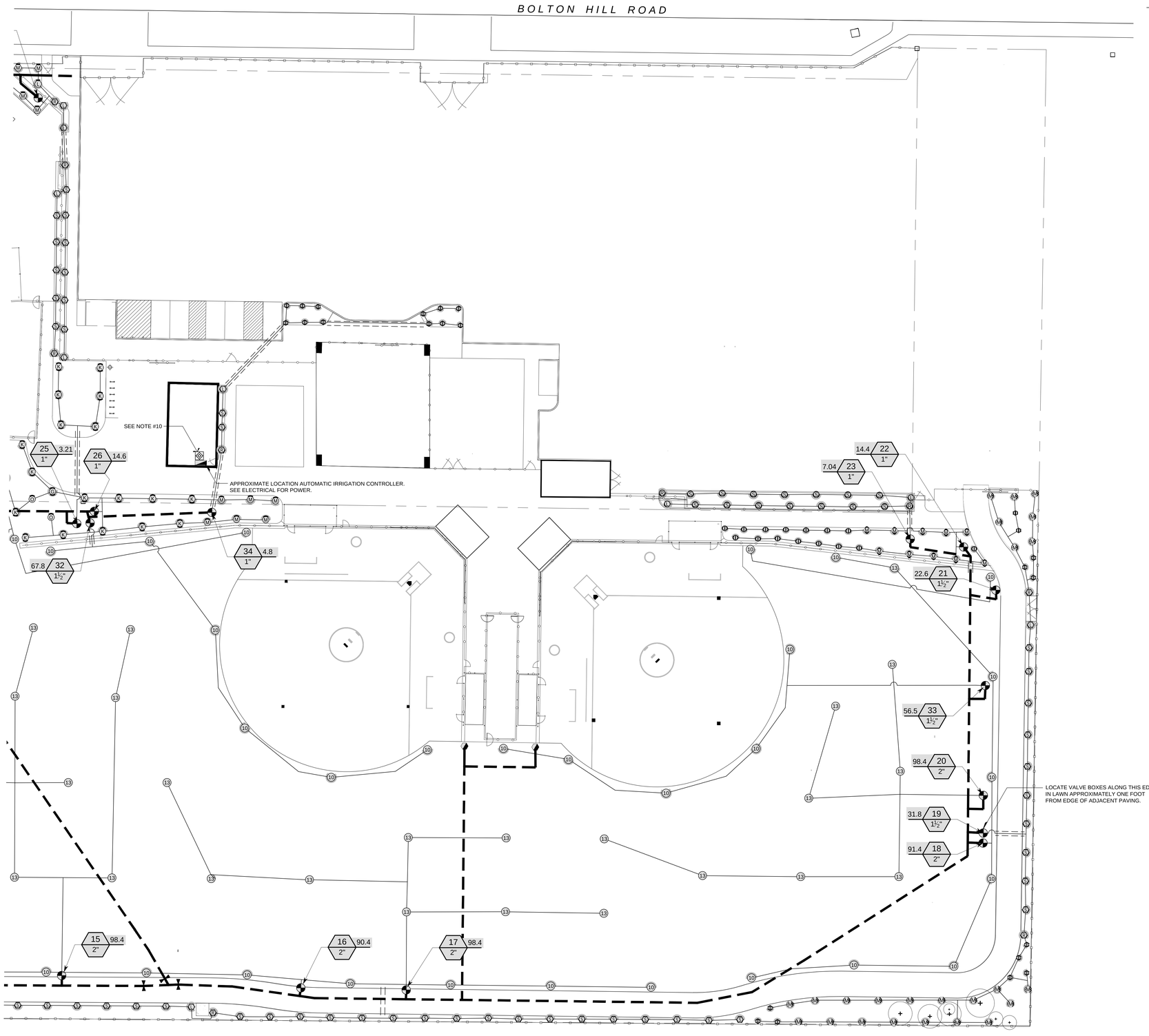

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IRRIGATION PLAN - EAST

0 5 10 20 40 80

SCALE: 1"=20'-0"

NORTH

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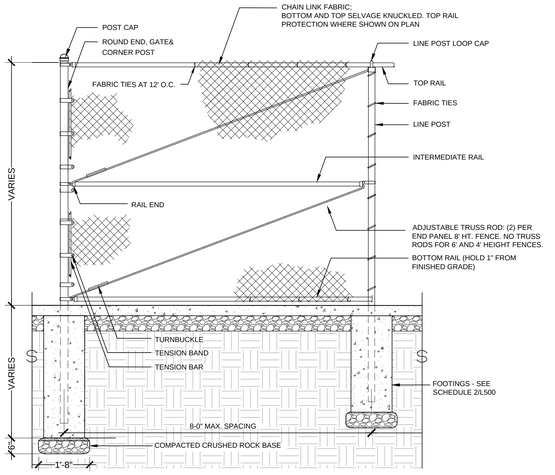


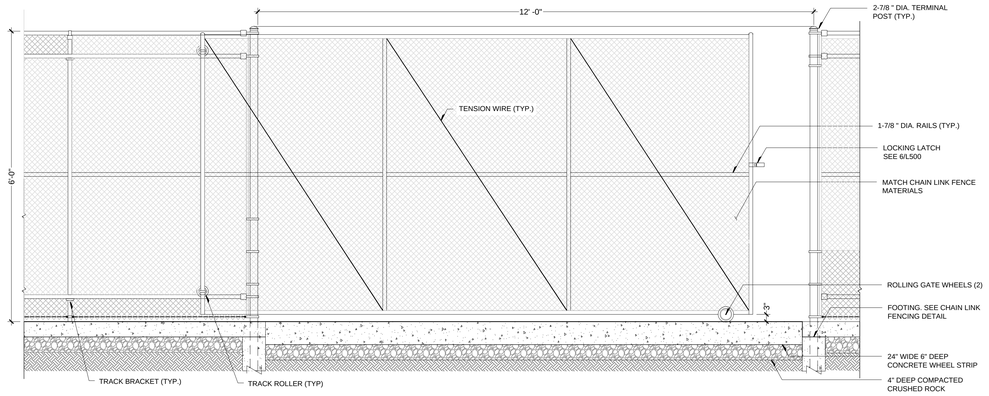
NOTES:
1. SEE CHAIN LINK SCHEDULE AND SPECIFICATIONS FOR TYPICAL CHAIN LINK FENCING COMPONENTS.
2. SEE CIVIL FOR BASE ROCK SPECIFICATION.
3. PROVIDE INTERMEDIATE RAIL AT ALL FENCING 6' HT AND TALLER.
4. SEE DETAIL 9/L500 FOR BALL CONTROL NETTING AT CHAIN LINK FENCING.
5. SEE DETAIL 10/L500 FOR FENCE CAP AT 4' HT. FENCING WHERE APPLICABLE.
6. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

1 / L500 — CHAIN LINK FENCING - 4', 6' AND 8' HEIGHT FENCES
SECTION / ELEVATION — SCALE: 1/2" = 1'-0"

FENCE TYPE	8' HIGH FENCING	6' HIGH FENCING	6' HIGH SLATTED FENCING	4' HIGH FENCING
CORNER POST	2-7/8" OD	2-7/8" OD	2-7/8" OD	2-7/8" OD
END POST	2-7/8" OD	2-7/8" OD	2-7/8" OD	2-7/8" OD
LINE POST	2-7/8" OD	2-3/8" OD	2-3/8" OD	2-3/8" OD
FOOTING DEPTH (CORNER, END, GATE POST)	4'-0"	**3'-0"**	**3'-0"**	**2'-6"**
FOOTING DEPTH (LINE POST)	4'-0"	**3'-0"**	**3'-0"**	**2'-0"**
FOOTING DIAMETER	12"	12"	12"	12"
TOP RAIL HT.	8'-0"	6'-0"	6'-0"	4'
INTERMEDIATE RAIL HT.	4'	4'	4'	-
BOTTOM RAIL HT	1"	1"	1"	1"
TENSION WIRE HTS.	4'	3'-0"	3'-0"	2'-0"
CHAIN LINK FABRIC	9 GAUGE	9 GAUGE	9 GAUGE	9 GAUGE
FABRIC TIES	9 GAUGE	9 GAUGE	9 GAUGE	9 GAUGE
TENSION BAND	2- 7/8"	2- 7/8"	2- 7/8"	2- 7/8"
RAIL DIAMETERS	1-5/8"	1-5/8"	1-5/8"	1-5/8"
LINE POST LOOP CAP	2-3/8" X 1-5/8"	2-3/8" X 1-5/8"	2-3/8" X 1-5/8"	2-3/8" X 1-5/8"
CORNER & END POST CAPS	2- 7/8"	2- 7/8"	2- 7/8"	2- 7/8"
HINGED GATE POSTS	3-1/2"	2- 7/8"	2- 7/8"	2- 7/8"

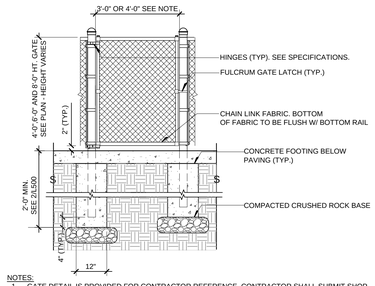
FENCING NOTES:
1. CHAIN LINK MESH OPENING SIZE: 2".
2. ALL CHAIN LINK FABRIC SHALL BE GALVANIZED FINISHED STEEL WIRES . FABRIC TIES TO BE ALUMINUM.
3. ALL POSTS, RAILS, BRACES, POST TOPS, STRETCHER BARS, BAND, ETC. SHALL BE GALVANIZED
4. TENSION WIRES AND WIRE TIES SHALL BE GALVANIZED.
5. MAXIMUM POST SPACING: 8' ON CENTER.
6. ALIGN POSTS SO THAT FENCE FABRIC IS INSTALLED IN A CONTINUOUS, STRAIGHT LINE, REGARDLESS OF FENCE POST DIAMETER.

2 / L500 — CHAIN LINK SCHEDULE - 4', 6' AND 8' HEIGHT FENCES



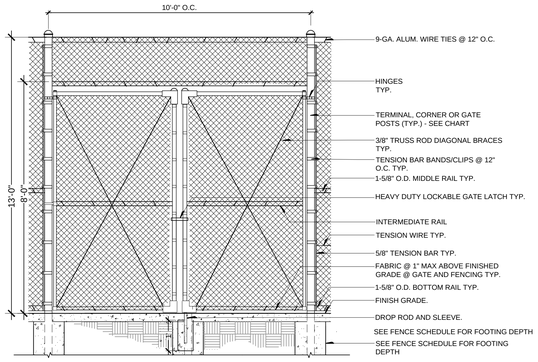
NOTES:
1. GATE FABRIC SHALL MATCH ADJACENT FENCE FABRIC MATERIALS.
2. FASTEN FABRIC TO TOP RAIL, BOTTOM RAIL, AND BRACES WITH 9 GAUGE ALUMINUM TIES, 12" MAX. ON CENTERS.
3. SET GATE POSTS PLUMB IN CONCRETE FOOTINGS WITH TOP OF FOOTING 1 INCH ABOVE FINISHED GRADE.
4. ALL CONCRETE POST BASES SHALL USE 3000 PSI MINIMUM CONCRETE, UNLESS OTHERWISE NOTED.
5. ALL MEMBER SIZES ARE I.D.
6. FENCE FABRIC SHALL BE SECURED WITH KNUCKLED SELVAGE ALONG TOP AND BOTTOM EDGES.
7. ROLLING GATE DETAIL IS PROVIDED FOR CONTRACTOR REFERENCE. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

3 / L500 — 12' WIDTH SINGLE ROLLING GATE — ***(FOR REFERENCE ONLY)***
SECTION / ELEVATION — SCALE: 3/4" = 1'-0"



NOTES:
1. GATE DETAIL IS PROVIDED FOR CONTRACTOR REFERENCE. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS,FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION OF GATES.
2. SEE DETAIL 1/L500 AND SCHEDULE 2/L500 FOR TYPICAL COMPONENT NOTES.
3. PROVIDE 3' WIDTH GATES AT BASEBALL AND SOFTBALL FIELD ENTRYS, DUGOUTS AND BULLPENS. PROVIDE 4' WIDTH AT ALL OTHER SINGLE SWING GATES.
4. PROVIDE TRUSS ROD AND INTERMEDIATE RAIL AT 6' AND 8' HEIGHT GATES.

4 / L-500 — 4', 6' AND 8' HEIGHT SINGLE SWING GATES — *(FOR REFERENCE ONLY)*
SECTION / ELEVATION — SCALE: 1/2" = 1'-0"



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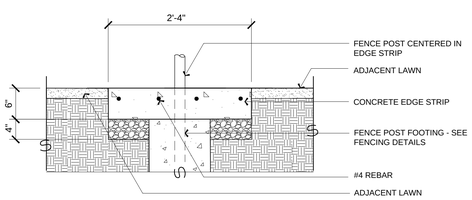
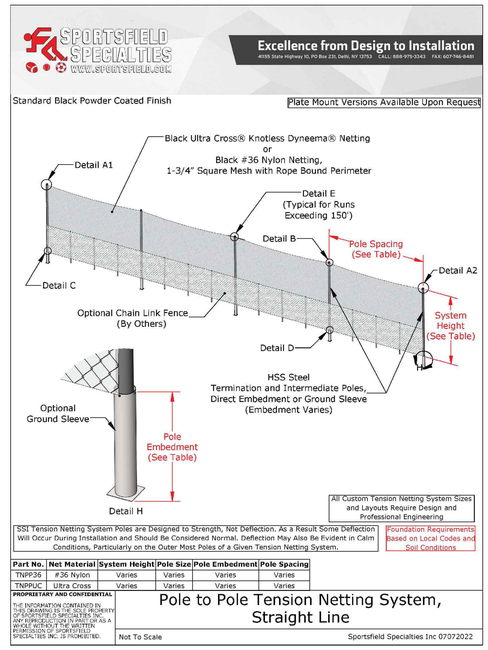
5 / L500 — TRANSOMED DOUBLE SWING GATE — ***(FOR REFERENCE ONLY)***
SECTION / ELEVATION — NTS



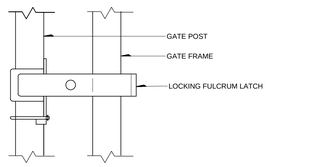
NOTES:
1. PROVIDE (2) #4 LONGITUDINAL REBAR CONTINUOUS.
2. PROVIDE (1) #4 TRAVERSE REBAR AT 4' O.C.
3. PROVIDE 1.5" CLEARANCE FOR ALL REBAR AT EDGES AND ENDS.
4. PROVIDE CONTROL JOINTS AT POSTS AND IN BETWEEN POSTS AT 3' O.C. MAXIMUM SPACING.

8 / L500 — CONCRETE MOW EDGE AT FENCE
SECTION — SCALE: 1" = 1'-0"



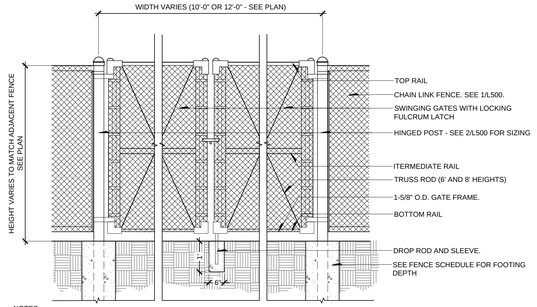
NOTES:
1. BALL CONTROL NETTING SYSTEM TO BE DELEGATED DESIGN BY CONTRACTOR. SEE SPECIFICATIONS.
2. CONTRACTOR TO PROVIDE ALL DELEGATED DESIGN DOCUMENTS, PRODUCTS AND INSTALLATION FOR COMPLETE NETTING SYSTEM AS SHOWN AND SPECIFIED.
3. BASIS OF DESIGN TO BE POLE TO POLE TENSION NETTING SYSTEM, STRAIGHT LINE BY SPORTSFIELD SPECIALTIES (607.746.1422).
4. SHOP DRAWINGS INCLUDING ENGINEERS DRAWINGS TO BE PROVIDED BY CONTRACTOR FOR REVIEW AND APPROVAL BY OWNER PRIOR TO CONSTRUCTION.

9 / L500 — CHAIN LINK FECNING WITH BALL CONTROL NETTING ABOVE — ***(FOR REFERENCE ONLY)***
NTS



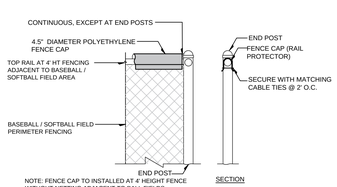
NOTES:
1. PROVIDE HEAVY DUTY LOCKABLE GALVANIZED FULCRUM GATE LATCH SIZED FOR GATE POST AND GATE FRAME.
2. PROVIDE ALL HARDWARE REQUIRED FOR SECURE ATTACHMENT TO GATE POST.

6 / L500 — GATE LATCH
NTS



NOTES:
1. GATE DETAIL IS PROVIDED FOR CONTRACTOR REFERENCE. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS,FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION OF GATES.
2. SEE DETAIL 1/L500 AND SCHEDULE 2/L500 FOR TYPICAL COMPONENT NOTES.
3. PROVIDE TRUSS RODS AND INTERMEDIATE GATE RAILS AT 6' AND 8' HEIGHT FENCES.

7 / L500 — 4', 6' AND 8' HT. DOUBLE SWING GATE — ***(FOR REFERENCE ONLY)***
SECTION / ELEVATION — NTS



10 / L500 — FENCE CAP
NTS

NOTES:
CONTRACTOR TO INFILL GAPS BETWEEN EXISTING CONCRETE WALLS AND ROOF (2 SIDES). APPROXIMATE HEIGHT OF INFILL FENCING VARIES FROM 6" TO 30". CONTRACTOR TO CONFIRM DIMENSIONAL REQUIREMENTS IN FIELD AND PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL. SEE 11/L500. THIS ITEM IS DELEGATED DESIGN.

11 / L500 — CHAIN LINK INFILL AT EXISTING BUILDING TO REMAIN — ***(FOR REFERENCE ONLY)***
NTS

GENERAL NOTES:
1. SEE SPECIFICATION SECTION 32 31 13 FOR CHAIN LINK FENCES AND GATES.
2. SEE SPECIFICATION SECTION 01 34 00 FOR DELEGATED DESIGN REQUIREMENTS.
3. SEE SPECIFICATION SECTION 11 68 33 ATHLETIC FIELD EQUIPMENT FOR NETTING.

FENCING AND NETTING DETAILS

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L500

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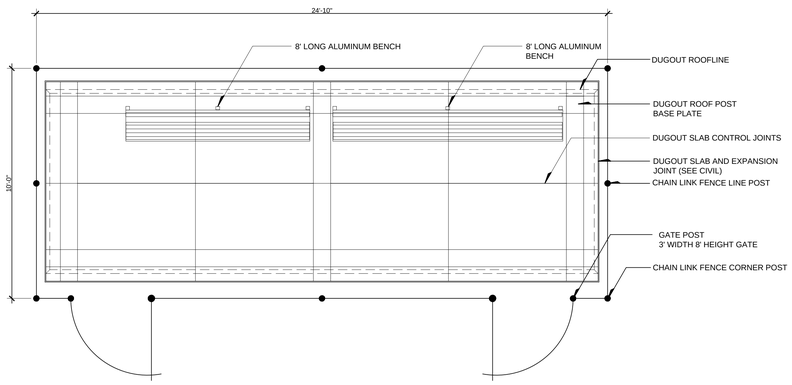
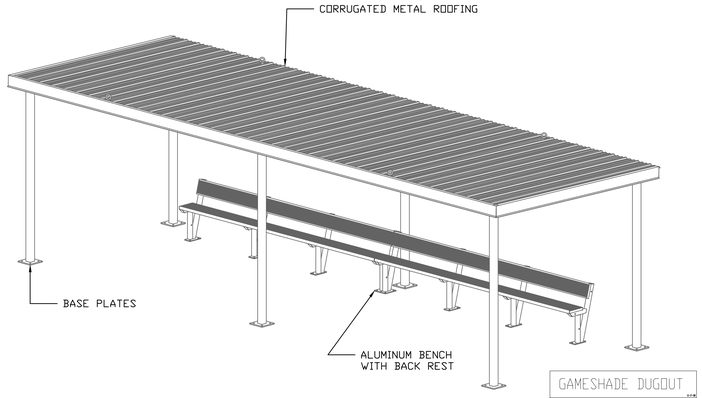


PLAN



STEEL FRAME STRUCTURE:
POWDER COATED TUBULAR STEEL DESIGN
MEETS 130 MPH WIND SPEED & 50 PSF
GROUND SNOW LOAD REQUIREMENTS

ISOMETRIC VIEW

GAMESHADE DUGOUT

SPORTSFIELD SPECIALTIES, INC.
75 SO. BOLIVAR TRAIL
BOISE, IDAHO 83705

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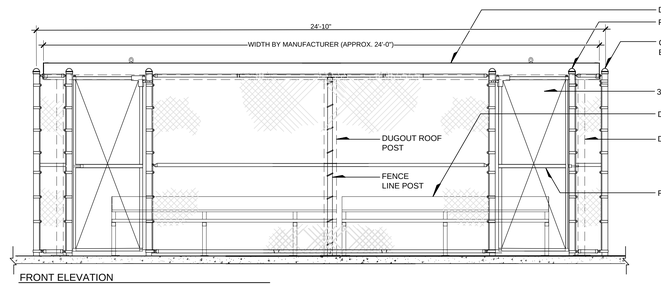
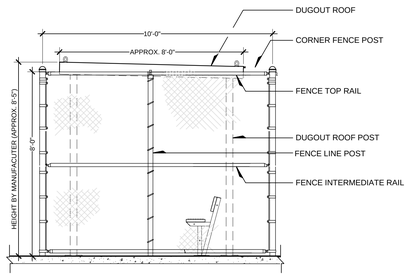


FRONT ELEVATION



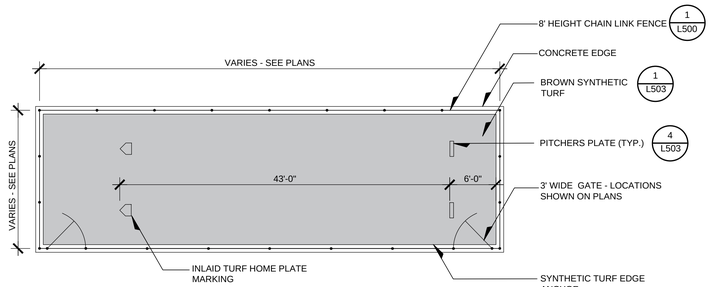
SIDE ELEVATION

NOTES:
1. STEEL FRAME DUGOUTS AND ALUMINUM BENCHES SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR.
2. EACH DUGOUT TO INCLUDE INSTALLATION OF TWO SURFACE MOUNT ALUMINUM BENCHES TO BE SUPPLIED BY OWNER.
3. CHAIN LINK FENCING SURROUND AND GATES AT DUGOUTS SUPPLIED AND INSTALLED BY CONTRACTOR.
4. SEE CIVIL PLANS FOR CONCRETE SLAB REQUIREMENTS AND EXPANSION JOINTS AT DUGOUTS.
5. ASSUME INSTALLATION BASED ON GAMESHADE 8' X 24' MODULAR DUGOUT BY SPORTSFIELD SPECIALTIES (607-746-1422).
6. SEE MANUFACTURER'S PLANS AND SPECIFICATIONS FOR HARDWARE AND INSTALLATION REQUIREMENTS.
7. INSTALL CHAIN LINK FENCING AROUND PERIMETER OF DUGOUT EXCEPT WHERE NOTED ON PLANS.
8. INSTALL FENCE AND GATE POSTS SEPARATE FROM DUGOUT ROOF POSTS AND OUTSIDE DUGOUT ROOFLINE.
9. COORDINATE FENCE POST FOOTING CONSTRUCTION WITH ROOF POST AND DUGOUT SLAB INSTALLATION. SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

1 / L501 DUGOUTS
ELEVATIONS / ISOMETRIC

(FOR REFERENCE ONLY)

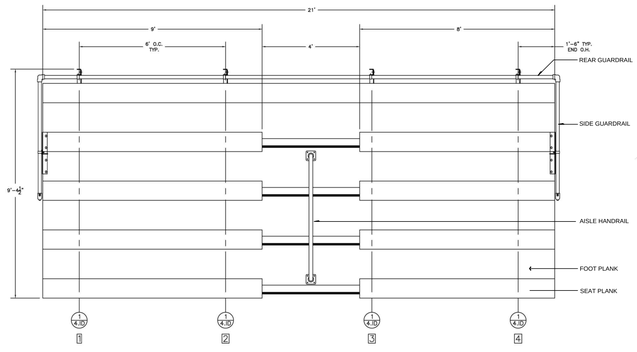
SCALE: 3/8" = 1'-0"

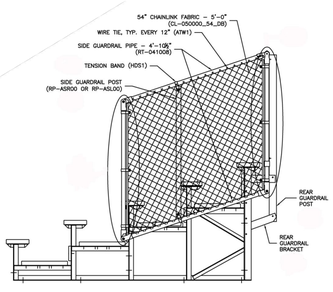


NOTE:
SPACE FENCE POSTS AT EVEN INCREMENTS NOT TO EXCEED EIGHT FEET.

3 / L501 SOFTBALL BULLPEN
PLAN

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



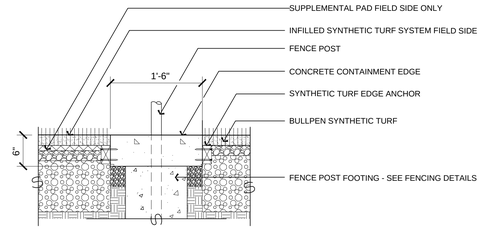


NOTES:
1. BLEACHERS SUPPLIED BY OWNER, INSTALLED BY CONTRACTOR. ASSUME INSTALLATION BASED ON NATIONAL RECREATION SYSTEMS BLEACHER MODEL NUMBER NA-0521DLX, CL NON-ELEV, ALUM, 5 ROW X 21'-0" BLEACHER. (503-708-4878)
2. SEE CIVIL PLANS FOR CONCRETE SLAB REQUIREMENTS BELOW BLEACHERS.
3. SEE CIVIL PLANS AND SPECIFICATIONS FOR EXPANSION JOINT BETWEEN CONCRETE SLABE AND ADJACENT PAVING.
4. SEE MANUFACTURER'S PLANS AND SPECIFICATIONS FOR HARDWARE AND INSTALLATION REQUIREMENTS.

2 / L501 BLEACHERS
PLAN / SECTION

(FOR REFERENCE ONLY)

NTS



NOTES:
1. SEE DETAIL 6/L503 FOR SYNTHETIC TURF EDGE ANCHOR AT CONCRETE EDGE.
2. SEE SPECIFICATIONS FOR TURF, PAD AND ANCHOR REQUIREMENTS.
3. PROVIDE CONTROL JOINTS AT POSTS AND IN BETWEEN POSTS AT 3' O.C. MAXIMUM SPACING.

4 / L501 SYNTHETIC TURF EDGE ANCHOR AT BULLPEN
SECTION

SCALE: 1" = 1'-0"

DUGOUT, BLEACHERS AND BULLPEN DETAILS

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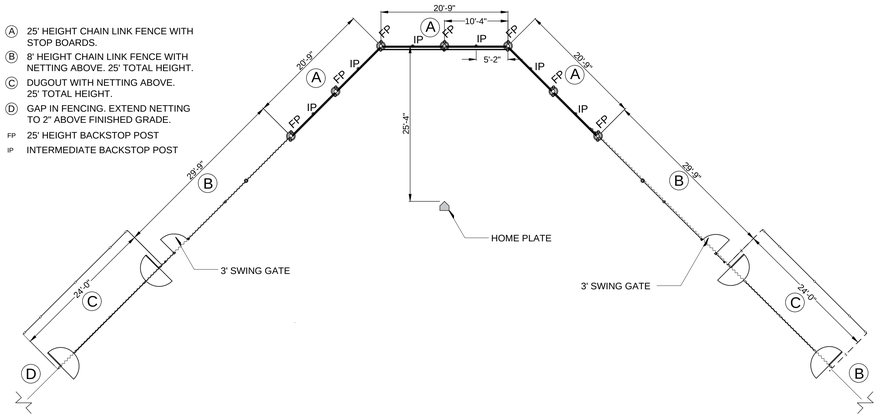
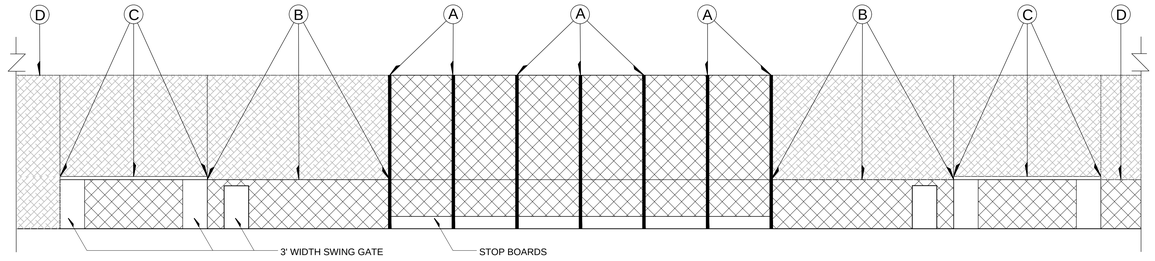


PLAN

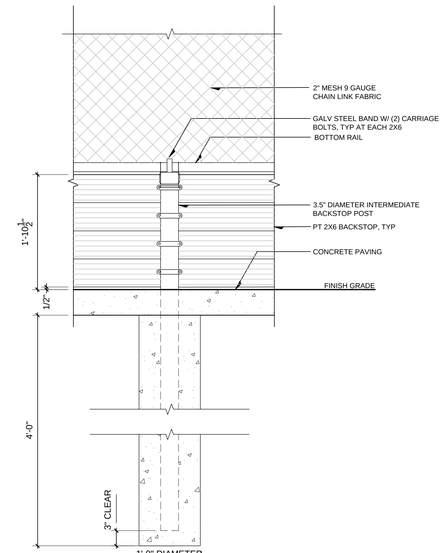


ELEVATION

NOTES:
1. DIMENSIONS SHOWN ARE FOR BASEBALL FIELD #1. DIMENSIONS VARY WITH FIELD. SEE PLANS FOR DIMENSIONS AT EACH FIELD.
2. FENCING TYPES BEYOND DUGOUTS VARY WITH EACH FIELD. FENCING TYPES SHOWN ARE FOR BASEBALL FIELD #1. SEE PLANS FOR FENCE TYPES AT EACH FIELD.

1 / L502 BASEBALL BACKSTOP WING FENCING

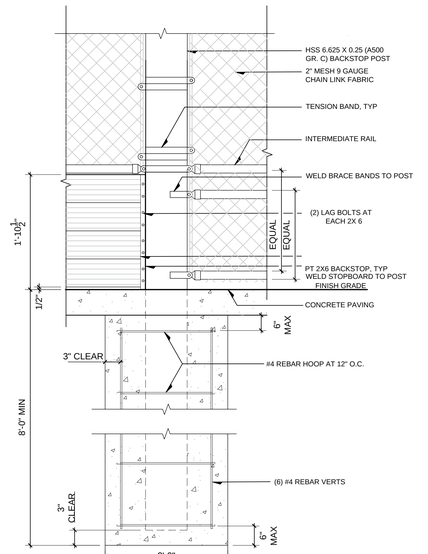
PLAN AND ELEVATION — SCALE: 1"=10'-0"



NOTES:
1. CONCRETE TO HAVE F'C = 3,000 PSI (AT 28-DAY), MAX AGG SIZE OF 1" AND MEET REQUIREMENTS FOR EXPOSURE CLASS F1. PROVIDE 5% CONCRETE MIX AIR CONTENT. CONCRETE MIX TO BE DESIGNED AND PROPORTIONED PER ACI 318-19 CH. 26 AND ACI 301-16 SECTION 4.
2. CONCRETE REINFORCEMENT SHALL BE ASTM A615. GR. 60.

2 / L502 INTERMEDIATE BACKSTOP POST

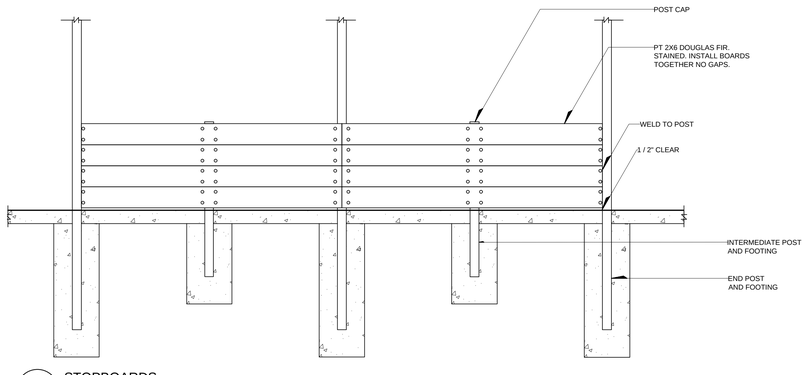
SECTION — SCALE: 1" = 1'-0"



NOTES:
1. CONCRETE TO HAVE F'C = 3,000 PSI (AT 28-DAY), MAX AGG SIZE OF 1" AND MEET REQUIREMENTS FOR EXPOSURE CLASS F1. PROVIDE 5% CONCRETE MIX AIR CONTENT. CONCRETE MIX TO BE DESIGNED AND PROPORTIONED PER ACI 318-19 CH. 26 AND ACI 301-16 SECTION 4.
2. CONCRETE REINFORCEMENT SHALL BE ASTM A615. GR. 60.

3 / L502 25' HT. BACKSTOP POST AND STOPBOARDS

SECTION — SCALE: 1" = 1'-0"



4 / L502 STOPBOARDS

FRONT ELEVATION — SCALE: 3/4" = 1'-0"

GENERAL NOTES:
1. SEE SPECIFICATION SECTION 32 31 13 FOR CHAIN LINK FENCES AND GATES.
2. SEE SPECIFICATION SECTION 01 34 00 FOR DELEGATED DESIGN REQUIREMENTS.
3. SEE SPECIFICATION SECTION 11 68 33 ATHLETIC FIELD EQUIPMENT FOR NETTING.

BACKSTOP DETAILS

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Checked By: DJD
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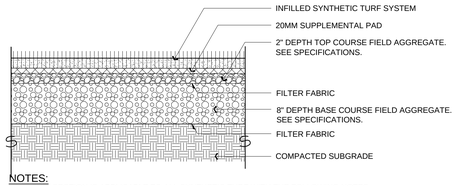
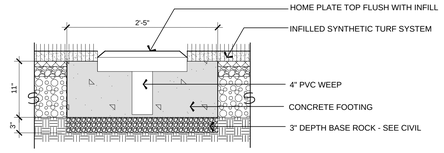


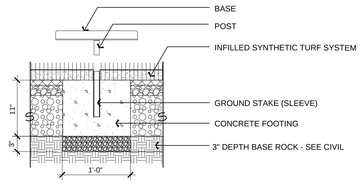
NOTES:
1. THIS SECTION IS APPLICABLE TO ALL SYNTHETIC TURF WITH THE FOLLOWING NOTES.
2. BULLPEN SYNTHETIC TURF DOES NOT REQUIRE SUPPLEMENTAL PAD. ALL OTHER SYNTHETIC TURF REQUIRES SUPPLEMENTAL PAD.
3. SEE CIVIL FOR DRAINAGE BELOW SYNTHETIC TURF.
4. SEE SYNTHETIC TURF SPECIFICATIONS FOR TOP AND BASE COURSE FIELD AGGREGATES.

1 L503 — SYNTHETIC TURF
SECTION — SCALE: 1" = 1'-0"



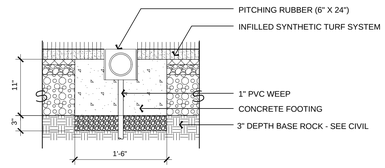
NOTES:
1. MAINTAIN 1/4" GAP AROUND HOME PLATE.
2. ADHERE SYNTHETIC TURF BACKING TO TOP OF CONCRETE.
3. PROVIDE BROWN SYNTHETIC TURF INSERT WITH VELCRO.

2 L503 — HOME PLATE
SECTION — SCALE: 1" = 1'-0"



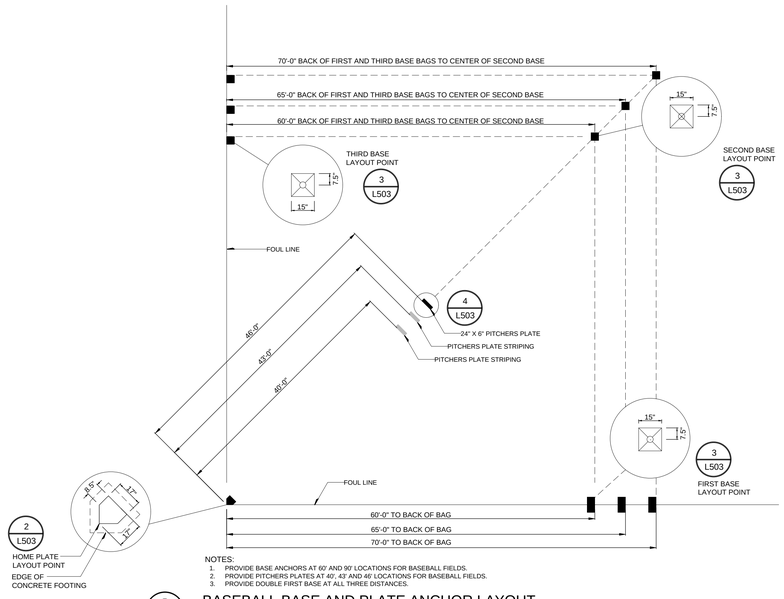
NOTES:
1. PROVIDE PLUG WITH TURF CAP TO FIT IN SLEEVE.

3 L503 — BASE ANCHOR
SECTION — SCALE: 1" = 1'-0"



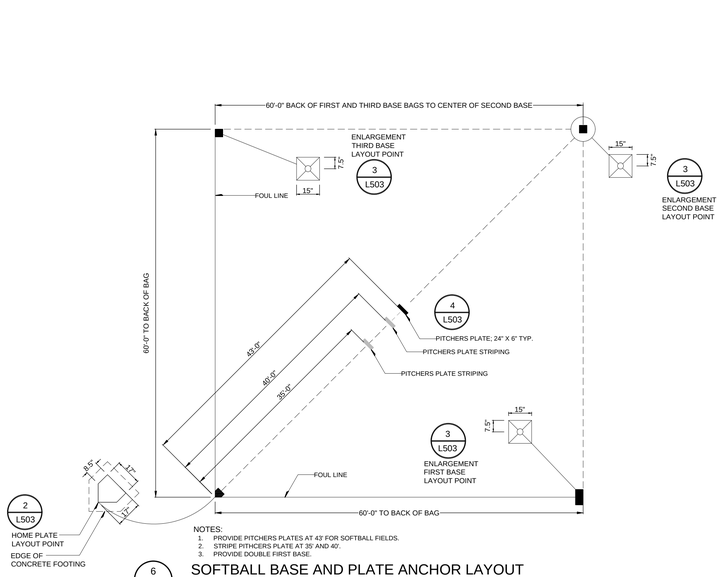
NOTES:
1. SET CONCRETE COLLAR FLUSH WITH ADJACENT INFIELD MIX.
2. ADHERE SYNTHETIC TURF BACKING TO TOP OF CONCRETE.
3. PROVIDE BROWN SYNTHETIC TURF INSERT WITH VELCRO.

4 L503 — PITCHERS PLATE
SECTION — SCALE: 1" = 1'-0"



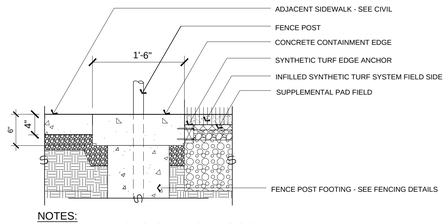
NOTES:
1. PROVIDE BASE ANCHORS AT 60' AND 90' LOCATIONS FOR BASEBALL FIELDS.
2. PROVIDE PITCHERS PLATES AT 40', 43' AND 46' LOCATIONS FOR BASEBALL FIELDS.
3. PROVIDE DOUBLE FIRST BASE AT ALL THREE DISTANCES.

5 L503 — BASEBALL BASE AND PLATE ANCHOR LAYOUT
PLAN AND ELEVATION — SCALE: 1"=10'-0"



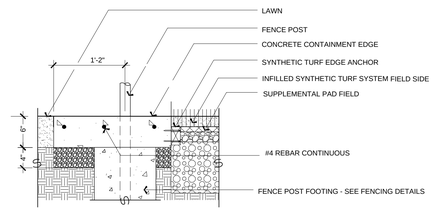
NOTES:
1. PROVIDE PITCHERS PLATES AT 43' FOR SOFTBALL FIELDS.
2. STRIPE PITHCERS PLATE AT 35' AND 40'.
3. PROVIDE DOUBLE FIRST BASE.

6 L503 — SOFTBALL BASE AND PLATE ANCHOR LAYOUT
PLAN AND ELEVATION — SCALE: 1"=10'-0"



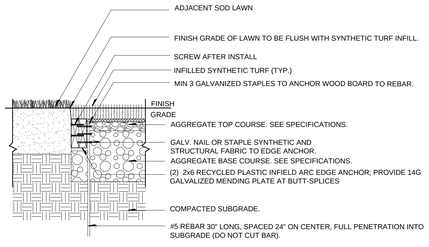
NOTES:
1. SEE DETAIL 1/L503 FOR SYNTHETIC TURF SECTION.
2. PROVIDE CONTROL JOINTS AT POSTS AND IN BETWEEN POSTS AT 3' O.C. MAXIMUM SPACING.

7 L503 — SYNTHETIC TURF EDGE ANCHOR AT CONCRETE EDGE
SECTION — SCALE: 1" = 1'-0"



NOTES:
1. PROVIDE (3) #4 LONGITUDINAL REBAR CONTINUOUS AT MOW EDGE ADJACENT TO LAWN.
2. PROVIDE (1) #4 TRAVERSE REBAR AT 4' O.C.
3. PROVIDE 1.5" CLEARANCE FOR ALL REBAR AT EDGES AND ENDS.
4. PROVIDE CONTROL JOINTS AT POSTS AND IN BETWEEN POSTS AT 3' O.C. MAXIMUM SPACING.

8 L503 — SYNTHETIC TURF EDGE ANCHOR AT FENCE / LAWN
SECTION — SCALE: 1" = 1'-0"



NOTE:
1. WRAP SYNTHETIC TURF OVER TOP OF ANCHOR BOARD AND EXTEND MIN. 3" AT LAWN SIDE OF BOARD. SECURELY ATTACH TURF TO ANCHOR BOARD.

9 L503 — SYNTHETIC TURF EDGE ANCHOR AT NEW LAWN
SECTION — SCALE: 1-1/2"" = 1'-0"

BALL FIELD DETAILS

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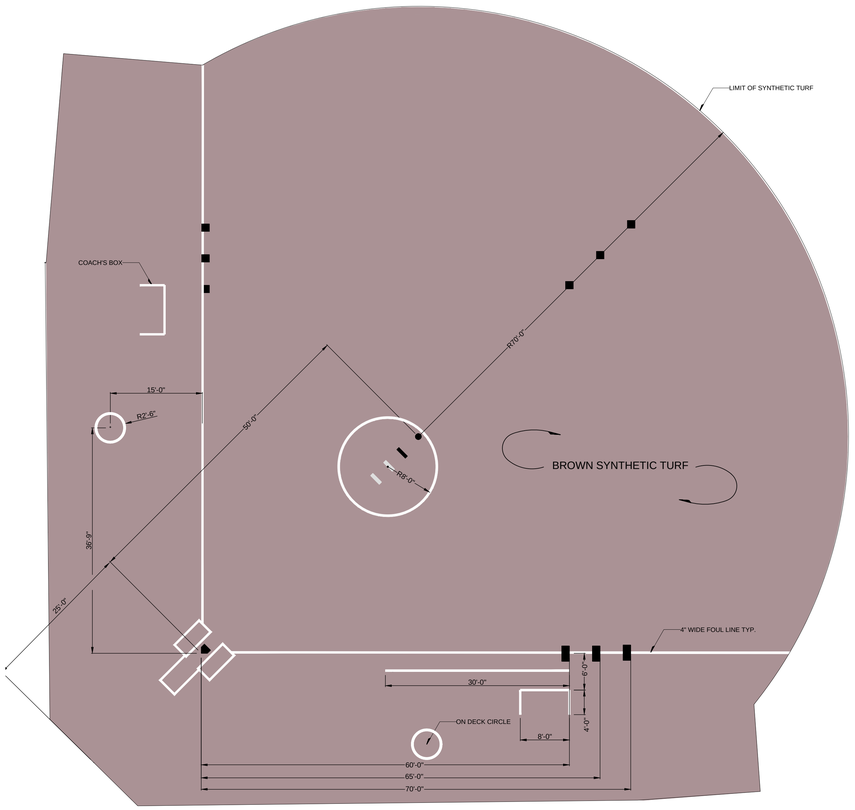
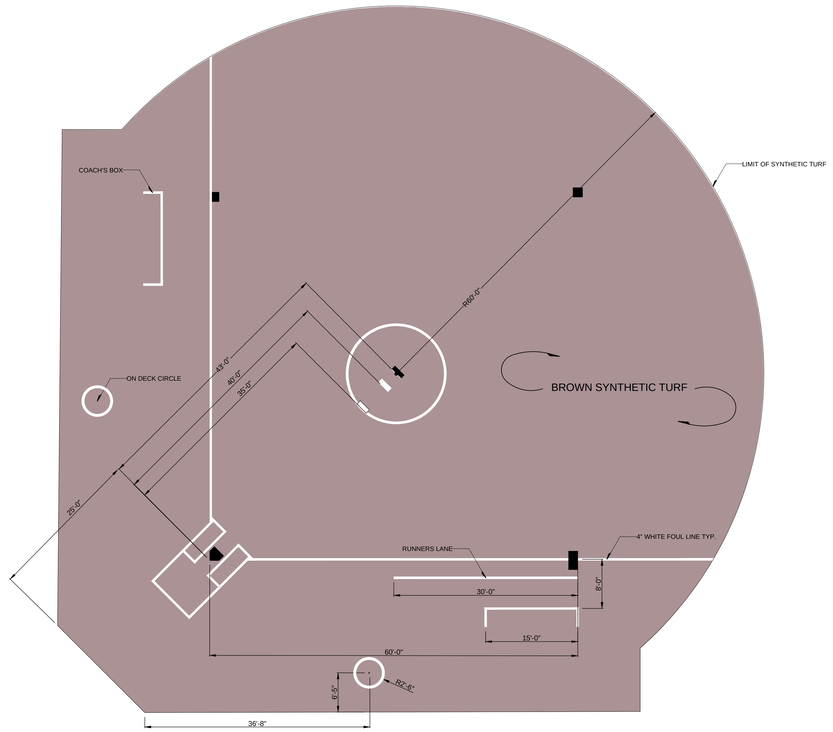


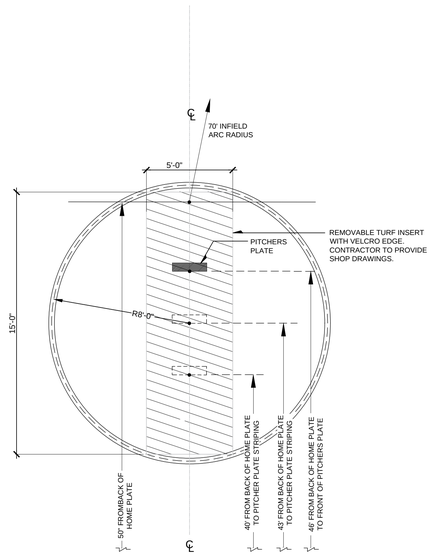
NOTES:
1. ALL FIELD STRIPING COLOR TO BE WHITE.
2. BATTING CIRCLE DIMENSION IS OUTSIDE RADIUS.
3. PERIMETER DIMENSIONS ARE TO EDGE OF TURF.

1 L504 BASEBALL FIELD DIMENSIONING
PLAN SCALE: 1"=10'-0"



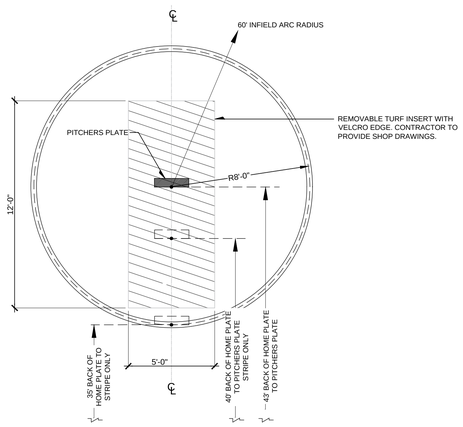
NOTES:
1. ALL FIELD STRIPING COLOR TO BE WHITE.
2. BATTING CIRCLE DIMENSION IS OUTSIDE RADIUS.
3. PERIMETER DIMENSIONS ARE TO EDGE OF TURF.

2 L504 SOFTBALL FIELD DIMENSIONING
PLAN SCALE: 1"=10'-0"



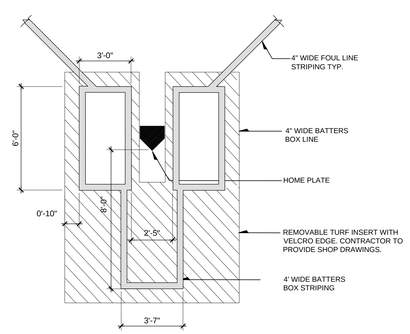
NOTES:
1. FURNISH 2 ADDITIONAL REMOVABLE REPLACEMENT TURF PATCHES EACH LOCATION (3 TOTAL).
2. RADIUS IS TO CENTER OF 4" WIDE STRIPE.

3 L504 BASEBALL PITCHERS CIRCLE AND INFIELD ARC
PLAN NOT TO SCALE



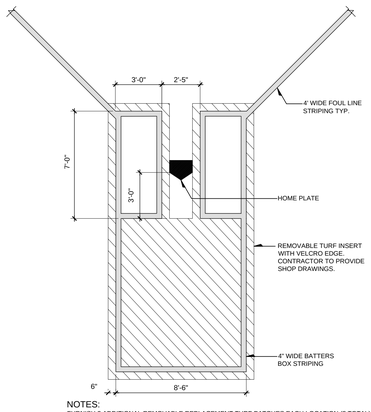
NOTES:
1. FURNISH 2 ADDITIONAL REMOVABLE REPLACEMENT TURF PATCHES EACH LOCATION (3 TOTAL).
2. RADIUS IS TO CENTER OF 4" WIDE STRIPE.

4 L504 SOFTBALL PITCHER'S CIRCLE AND INFIELD ARC
PLAN NOT TO SCALE



NOTES:
FURNISH 2 ADDITIONAL REMOVABLE REPLACEMENT TURF PATCHES EACH LOCATION (3 TOTAL)

5 L504 BASEBALL BATTERS BOX
PLAN SCALE: 1/4" = 1'-0"



NOTES:
FURNISH 2 ADDITIONAL REMOVABLE REPLACEMENT TURF PATCHES EACH LOCATION (3 TOTAL)

6 L504 SOFTBALL BATTERS BOX
PLAN SCALE: 1/4" = 1'-0"

FIELD DIMENSIONING AND DETAILS

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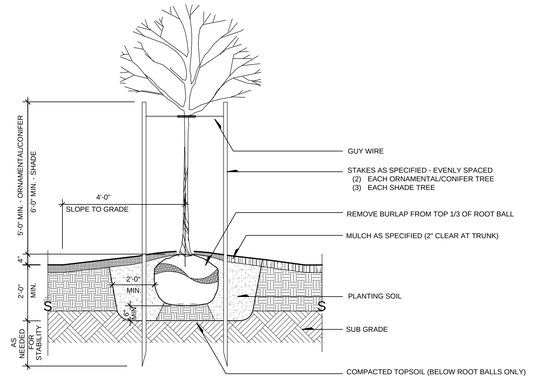
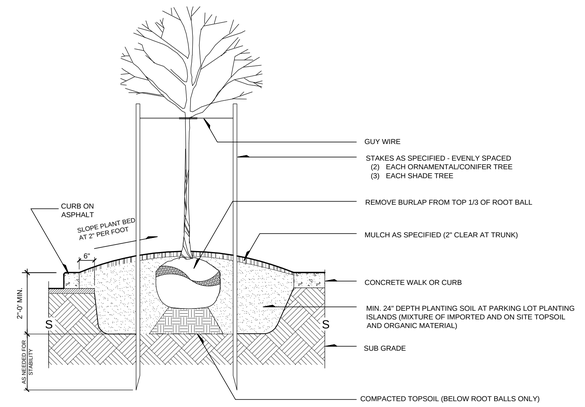


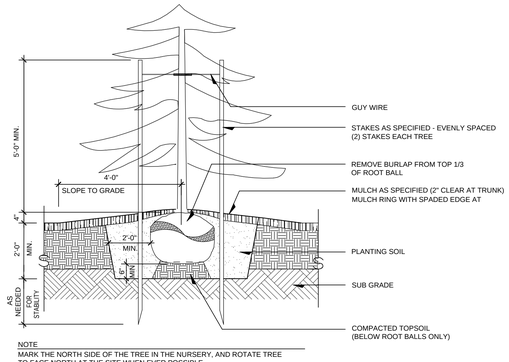
NOTE
MARK THE NORTH SIDE OF THE TREE IN THE NURSERY, AND ROTATE TO FACE NORTH AT THE SITE WHENEVER POSSIBLE.

1 L505 TYPICAL TREE PLANTING
SECTION SCALE: 1/2" = 1'-0"



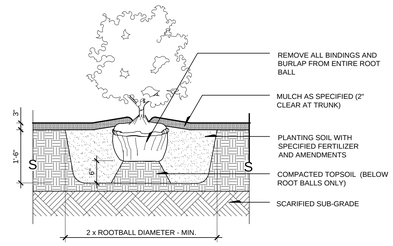
NOTE
MARK THE NORTH SIDE OF THE TREE IN THE NURSERY, AND ROTATE TO FACE NORTH AT THE SITE WHENEVER POSSIBLE.

2 L505 TREE PLANTING AT PARKING AREAS
SECTION SCALE: 1/2" = 1'-0"

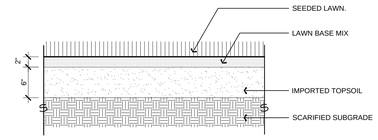


NOTE
MARK THE NORTH SIDE OF THE TREE IN THE NURSERY, AND ROTATE TREE
TO FACE NORTH AT THE SITE WHEN EVER POSSIBLE.

3 L505 TYPICAL CONIFER TREE PLANTING
SECTION SCALE: 1/2" = 1'-0"

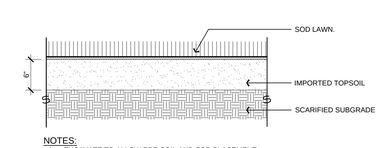


4 L505 TYPICAL SHRUB PLANTING
SECTION SCALE: 1/2" = 1'-0"



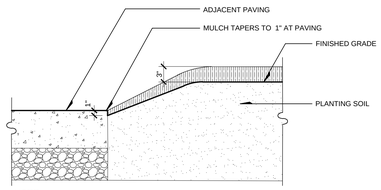
NOTES:
1. EXCAVATE TO ALLOW FOR SOIL PLACEMENT.
2. REMOVE ALL ROCK AND DEBRIS.
3. SCARIFY SUBGRADE TO A DEPTH OF 6".
4. PLACE 6" OF SPECIFIED IMPORTED TOPSOIL.
5. PLACE AND TILL 1" OF SPECIFIED COMPOST TO FULL DEPTH OF IMPORTED TOPSOIL.
6. COMPACT TO 85%.
7. PLACE 2" LAWN BASE MIX. COMPACT TO 85%. PLACE ADDITIONAL LAWN BASE MIX TO FINISHED GRADE.

4 L505 SEEDED LAWN
SECTION SCALE: 1" = 1'-0"



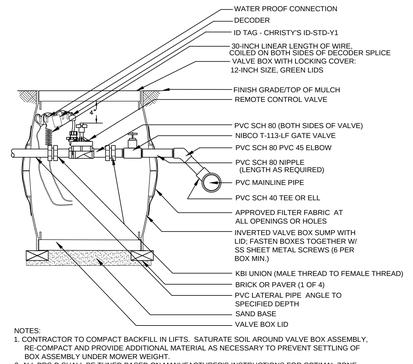
NOTES:
1. EXCAVATE TO ALLOW FOR SOIL AND SOD PLACEMENT.
2. REMOVE ALL ROCK AND DEBRIS.
3. SCARIFY SUBGRADE TO A DEPTH OF 6".
4. PLACE 6" OF SPECIFIED IMPORTED TOPSOIL.
5. PLACE AND TILL 1" OF SPECIFIED COMPOST TO FULL DEPTH OF IMPORTED TOPSOIL.
6. COMPACT TO 85%. PLACE ADDITIONAL IMPORTED TOPSOIL AS NEEDED TO ALLOW FOR SOD PLACEMENT TO ACHIEVE FINISHED GRADE.
7. PLACE SOD AND ATTACHED SOIL LAYER TO ACHIEVE FINISHED GRADE.
8. ROLL SOD PER SPECIFICATIONS.

5 L505 SOD LAWN
SECTION SCALE: 1" = 1'-0"



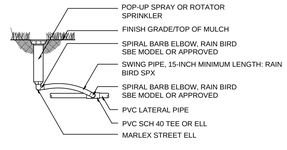
NOTE: CROWN SOIL TO CENTER OF PLANT BED AT 2" PER FOOT UNLESS SHOWN DIFFERENTLY ON GRADING PLAN.

6 L505 PLANT BED EDGE AT PAVEMENT
SECTION SCALE: 1"= 1'-0"

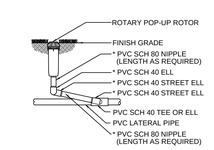


NOTES:
1. CONTRACTOR TO COMPACT BACKFILL IN LIFTS. SATURATE SOIL AROUND VALVE BOX ASSEMBLY, RE-COMPACT AND PROVIDE ADDITIONAL MATERIAL AS NECESSARY TO PREVENT SETTLING OF BOX ASSEMBLY UNDER MOWER WEIGHT.
2. ALL PRS-D SHALL BE TUNED BASED ON MANUFACTURER'S INSTRUCTIONS FOR OPTIMAL ZONE PERFORMANCE.

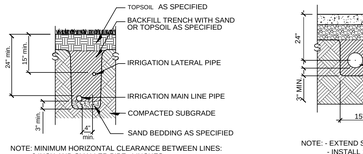
7 L505 AUTOMATIC CONTROL VALVE FOR SPRAY & ROTOR
SECTION SCALE: 1" = 1'-0"



8 L505 FLUSH MOUNTED POP-UP SPRAY OR MP ROTATOR NOZZLE SPRINKLER
SECTION SCALE: 1" = 1'-0"

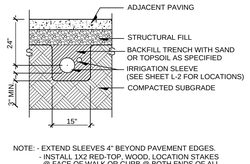


9 L505 FLUSH MOUNTED POP-UP ROTOR
SECTION SCALE: 1" = 1'-0"



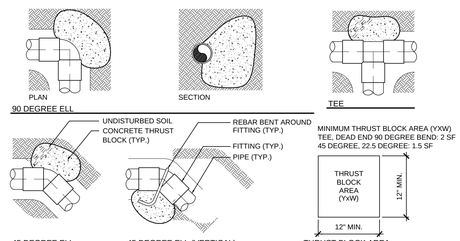
NOTE: MINIMUM HORIZONTAL CLEARANCE BETWEEN LINES:
2 INCH AND SMALLER PIPE: 4 INCHES
2-1/2 INCH AND LARGER PIPE: 12 INCHES
MINIMUM VERTICAL CLEARANCE BETWEEN CROSSING LINES.
1 INCH

10 L505 IRRIGATION TRENCH AT LAWN
SECTION SCALE: 1/2" = 1'-0"



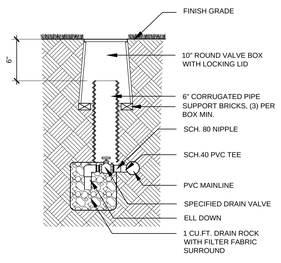
NOTE: - EXTEND SLEEVES 4" BEYOND PAVEMENT EDGES.
- INSTALL 1X2 RED-TOP, WOOD, LOCATION STAKES @ FACE OF WALK OR CURB @ BOTH ENDS OF ALL IRRIGATION SLEEVES. HOLD DOWN 1" BELOW TOP OF CURB OR WALK.
- INSTALL (1) 6" SCHEDULE 40 P.V.C. AND (1) 2" SCHEDULE 40 P.V.C. SLEEVE AT EACH LOCATION.

11 L505 IRRIGATION SLEEVING
SECTION SCALE: 1/2" = 1'-0"

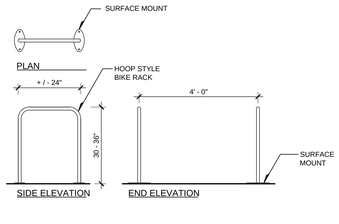


NOTES
1. MINIMUM THRUST BLOCK AREAS ARE BASED ON A SOIL BEARING CAPACITY OF 3000 LBS/SF
2. THRUST BLOCK SHALL EXTEND INTO UNDISTURBED SOIL.
3. THRUST BLOCK SHALL BE MAG SECT. 725-CLASS C.
4. PROVIDE THRUST BLOCK AT ALL TURNS IN MAINLINE.

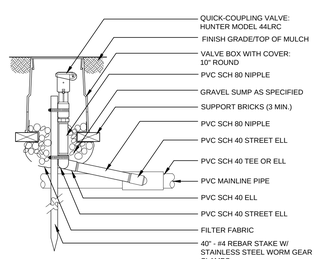
12 L505 THRUST BLOCKS
SECTION & PLAN SCALE: 1" = 1'-0"



13 L505 MANUAL MAIN LINE DRAIN VALVE
SECTION SCALE: 1" = 1'-0"



14 L505 SHORT - TERM BIKE PARKING
SCALE: 1/2" = 1'-0"



NOTE:
1. FURNISH FITTINGS AND PIPING NOMINALLY SIZED IDENTICAL TO QUICK COUPLING VALVE INLET SIZE.

15 L505 QUICK COUPLING VALVE
SECTION SCALE: 1" = 1'-0"

LANDSCAPE, IRRIGATION AND SITE DETAILS

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Date: 4-30-25
Drawn By: EP
Checked By: DJD
Submission:
BID DOCUMENTS

Revisions

L505

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GENERAL NOTES - ELECTRICAL

A. COORDINATE LOCATION/INSTALLATION OF MECHANICAL AND ELECTRICAL WORK WITH ALL OTHER TRADES. BEGIN INSTALLATION AND ROUGH-IN ONLY AFTER PROPER AND TIMELY COORDINATION WITH ALL TRADES ASSOCIATED WITH THE INSTALLATION IS COMPLETE. COORDINATE WITH BUILDING STRUCTURE, ARCHITECTURE, MECHANICAL SHEET METAL, ALL PIPING SYSTEMS, LIGHT FIXTURES, CONDUITS, CABLE TRAYS, EQUIPMENT ACCESS/CLEARANCE, ETC. REFER TO ALL GENERAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT. CONTRACTOR IS RESPONSIBLE FOR REWORK OF INSTALLED EQUIPMENT RESULTING FROM INSUFFICIENT COORDINATION.

B. ELECTRICAL DRAWINGS ARE ONLY A PORTION OF THE COMPLETE SET OF PLANS AND CONTRACT DOCUMENTS. THE ELECTRICAL SCOPE OF WORK IS DEFINED BY THE COMPLETE SET OF CONTRACT DOCUMENTS. THIS INCLUDES BUT IS NOT LIMITED TO REFERENCING; ARCHITECTURAL PLANS FOR DIMENSIONS AND DETAILS; EQUIPMENT PLANS FOR ROUGH-IN REQUIREMENTS, MECHANICAL PLANS FOR EQUIPMENT SIZES AND LOCATIONS.

SITE NOTES - ELECTRICAL

A. UTILITIES SHOWN ON ELECTRICAL SITE PLAN ARE SCHEMATIC ONLY. VERIFY ALL SITE CONDITIONS AND DIMENSIONS ON SITE PRIOR TO SUBMITTING BID AND ORDERING EQUIPMENT.

B. REPAIR ALL AFFECTED SURFACES AND RESTORE TO EXISTING CONDITIONS AT COMPLETION OF PROJECT.

C. WARNING - CALL BEFORE YOU DIG: LAW REQUIRES ANYONE DOING EXCAVATION, FENCING, PLANTING OR DRILLING TO CALL 48 HOURS IN ADVANCE. HAND DIG WITHIN 18 INCHES OF ANY LOCATE MARK OR FLAG. ONE-CALL 811.

PROJECT DELIVERY NOTES - ELECTRICAL

A. THE DELIVERY METHOD FOR THIS PROJECT IS INDIVIDUAL SUB-CONTRACTS TO ONE GENERAL CONTRACTOR. THIS CONTRACTOR IS RESPONSIBLE FOR MEETING WITH ALL SUB-CONTRACTORS TO COORDINATE LOCATIONS AND INSTALLATION OF MECHANICAL AND ELECTRICAL WORK WITH ALL OTHER TRADES. REWORK OF INSTALLED EQUIPMENT WILL BE AT CONTRACTORS EXPENSE.

INSTALLATION NOTES - ELECTRICAL

A. BECOME FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BID.

B. INCREASE CONDUCTOR SIZES ON 20A 120V-1 PHASE CIRCUITS EXCEEDING 100 FEET TO CENTER OF LOAD TO ACCOUNT FOR VOLTAGE DROP.

C. RACEWAYS AND BOXES ARE SHOWN DIAGRAMMATICALLY ONLY AND INDICATE GENERAL AND APPROXIMATE LOCATIONS. LAYOUTS DO NOT ALWAYS SHOW THE TOTAL NUMBER OF RACEWAYS OR BOXES FOR THE CIRCUITS REQUIRED, NOR ARE THE LOCATIONS OF INDICATED RUNS INTENDED TO SHOW THE ACTUAL ROUTING OF THE RACEWAYS.

D. LIGHT FIXTURES, SWITCHES, DEVICES, ETC. ARE SHOWN IN PREFERRED LOCATION. MODIFY CONDUIT, HANGERS, CIRCUITING, ETC. TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.

E. PROVIDE A DEDICATED GREEN INSULATED GROUND CONDUCTOR TO ALL DEVICES. DO NOT USE CONDUIT SYSTEM AS THE ONLY EQUIPMENT GROUNDING METHOD.

F. DO NOT INSTALL BOXES BACK-TO-BACK ON OPPOSITE SIDES OF THE SAME WALL. MAINTAIN MINIMUM OF 8" DISTANCE BETWEEN BOXES WHEREVER APPLICABLE.

G. BALANCE PANEL LOADS DURING INSTALLATION. CIRCUIT NUMBERING SHOWN ON PLANS MAY BE ADJUSTED TO ACCOMMODATE.

H. PROVIDE TYPED PANEL DIRECTORY AT PROJECT COMPLETION FOR NEW PANELS AND EXISTING PANELS WITH CIRCUITS MODIFIED AS A RESULT OF THIS PROJECT. USE OWNER'S CURRENT ROOM NUMBERS AND EQUIPMENT NAMES.

I. CONTRACTOR IS RESPONSIBLE FOR OPENINGS IN WALLS, FLOORS, CEILINGS, AND ROOFS THAT ARE REQUIRED TO COMPLETE THEIR SCOPE OF WORK. SEAL PENETRATIONS IN ACCORDANCE WITH THE RATING OF THE AFFECTED ASSEMBLY. REFER TO ARCHITECTURAL CODE PLAN FOR RATED WALLS, FLOORS, AND CEILINGS.

MECHANICAL EQUIPMENT COORDINATION NOTES - ELECTRICAL

A. REFER TO EQUIPMENT CONNECTION SCHEDULE FOR COORDINATION DETAILS BETWEEN MECHANICAL AND ELECTRICAL SYSTEMS.

B. PROVIDE ELECTRICAL CONNECTIONS AND ACCESSORIES INCLUDING STARTERS, DISCONNECTS, CONTROL WIRING, ETC. AS REQUIRED FOR MECHANICAL EQUIPMENT. INFORMATION HEREIN AND ON THE DRAWINGS IS FOR GENERAL DESCRIPTION AND ESTIMATING PURPOSES ONLY. VERIFY VOLTAGE, AMPERAGE, PHASE, INRUSH, ETC. FOR EACH ITEM OF EQUIPMENT BEFORE PROCEEDING WITH INSTALLATION. INSTALL EQUIPMENT PER WIRING DETAILS AND INSTRUCTIONS FURNISHED BY THE SUPPLIERS OF THE EQUIPMENT TO PROVIDE PROPER OPERATION.

C. REVIEW MECHANICAL EQUIPMENT SHOP DRAWINGS FOR COMPLIANCE AND COORDINATION WITH ELECTRICAL CONNECTIONS. NOTIFY ENGINEER IF CHANGES TO ELECTRICAL CONNECTIONS, WIRING, AND BREAKER REQUIREMENTS ARE NECESSARY TO ACCOMMODATE EQUIPMENT BEING SUPPLIED.

1. DO NOT RELEASE ELECTRICAL DISTRIBUTION EQUIPMENT UNTIL ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL INFRASTRUCTURE HAS BEEN SUBMITTED AND APPROVED. MAKE COORDINATION ADJUSTMENTS TO BREAKER SIZES AND SIMILAR CHANGES TO ELECTRICAL EQUIPMENT PRIOR TO SUBMITTAL RELEASE. COORDINATE SCHEDULING OF SHOP DRAWINGS WITH ALL TRADES.

D. PROVIDE DISCONNECTS RATED FOR EQUIPMENT AS REQUIRED AND AS INDICATED WITHIN EQUIPMENT CONNECTION SCHEDULE. COORDINATE DISCONNECT MOUNTING TO ALLOW EQUIPMENT REMOVAL WITHOUT DISCONNECT REMOVAL AND TO MINIMIZE WIRING WORK REQUIRED.

E. PROVIDE HEAVY DUTY TYPE DISCONNECTS RATED FOR THE INSTALLED ENVIRONMENT. PROVIDE MINIMUM NEMA 3R RATED DISCONNECTS FOR EXTERIOR INSTALLATIONS OR AS NOTED.

F. VERIFY LOCATIONS OF ALL EQUIPMENT. REFER TO MECHANICAL, PLUMBING, AND ARCHITECTURAL DRAWINGS AND COORDINATE WITH THE ASSOCIATED SUB-CONTRACTOR. ADJUST ELECTRICAL INSTALLATION AS REQUIRED.

CODE NOTES - ELECTRICAL

A. PROVIDE ELECTRICAL INSTALLATION IN ACCORDANCE WITH ALL LOCAL, STATE, AND NATIONAL CODES.

B. THE CURRENT ADOPTED EDITION OF THE ELECTRICAL CODE IS THE STANDARD FOR THE ELECTRICAL INSTALLATION. VERIFY WITH LOCAL OFFICIALS WHEN PERMITS ARE OBTAINED. NOTIFY DESIGN TEAM OF ANY DISCREPANCIES BETWEEN THE PROJECT MANUAL OR DRAWINGS AND THE GOVERNING CODE.

C. INSTALLATION SHALL FOLLOW REQUIREMENTS OF THE ADAAG –AMERICANS WITH DISABILITIES ACT.

D. REFER TO PROJECT MANUAL AND PROJECT CODE REVIEW SHEET FOR LIST OF APPLICABLE CODES.

DEMOLITION AND RENOVATION NOTES - ELECTRICAL

A. ELECTRICAL DEMOLITION DRAWINGS SHOWING EXISTING CONDITIONS HAVE BEEN PREPARED BASED ON FIELD OBSERVATION AND ORIGINAL DRAWINGS. FIELD VERIFY EXISTING CONDITIONS BEFORE WORK BEGINS. ADDITIONAL COMPONENTS MAY EXIST WHICH ARE NOT SHOWN. BECOME FAMILIAR WITH EXISTING ELECTRICAL SYSTEM WHICH WILL BE AFFECTED BY THE DEMOLITION WORK.

B. PROVIDE EQUIPMENT, LABOR, AND MATERIALS TO REMOVE ELECTRICAL FACILITIES AND CLEAR THE AREA TO RECEIVE THE NEW WORK PROVIDED UNDER THIS CONTRACT.

C. REMOVE CONDUITS, BOXES, ETC., AS REQUIRED BY WALL, CEILING, AND ADJACENT COMPONENTS DEMOLITION. REMOVE EXISTING WIRE UNLESS OTHERWISE NOTED.

D. IDENTIFY DISCONNECTED BRANCH CIRCUIT LOCATION OR ITEM SERVED BEFORE DISCONNECTION. UPDATE PANEL/EQUIPMENT DIRECTORY ACCORDINGLY.

E. PROVIDE BACKFILLING OF TRENCHING AND CUTTING AND PATCHING OF EXISTING MATERIALS AS REQUIRED FOR THE PROPER COMPLETION OF THE DEMOLITION WORK AND THE INSTALLATION OF THE NEW WORK.

F. EQUIPMENT AND SYSTEM THAT ARE REMOVED REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE NOTED. DISPOSE OF ALL MATERIALS NOT SALVAGED BY THE OWNER.

GENERAL SYMBOLS

- CONDUIT SLEEVE
- CONDUIT UP, REFER TO TAG ON DRAWING FOR SIZE
- CONDUIT DOWN, REFER TO TAG ON DRAWING FOR SIZE
- (J) JUNCTION BOX, CEILING OR FLOOR MOUNTED
- (J) JUNCTION BOX, WALL MOUNTED, ELEVATION AS NOTED
- CIRCUIT HOMERUN, CONCEALED CONDUIT OR CABLE
- CIRCUIT HOMERUN, UNDER FLOOR CONDUIT OR CABLE
- (#) KITCHEN EQUIPMENT TAG NUMBER, REFER TO KITCHEN EQUIPMENT CONNECTION SCHEDULE
- (#) KEYNOTE
- (XXX / #) EQUIPMENT IDENTIFICATION TAG, REFER TO EQUIPMENT CONNECTION SCHEDULE
- (1 / A101) SIM DETAIL DRAWING REFERENCE TAG, SIM-SIMILAR, TYP-TYPICAL, OPP-OPPOSITE; SHEET REFERENCE
- (1 / A101) SIM SECTION CUT REFERENCE TAG, SIM-SIMILAR, TYP-TYPICAL, OPP-OPPOSITE; SHEET REFERENCE
- (A101 / 1) Ref INTERIOR ELEVATION DRAWING REFERENCE TAG

POWER SYMBOLS

- DUPLEX RECEPTACLE, TAMPER-RESISTANT, WALL MOUNT +18", OR AS NOTED
- WP DUPLEX GFCI WEATHER RESISTANT RECEPTACLE WITH LOCKING WEATHERPROOF IN-USE COVER, TAMPER-RESISTANT, WALL MOUNT +36", OR AS NOTED
- WP QUADRUPLEX RECEPTACLE IN WEATHERPROOF GROUND BOX. TYPE AS NOTED.
- EQUIPMENT CONNECTION, REFER TO ELECTRICAL EQUIPMENT CONNECTION SCHEDULE FOR CONNECTION TYPE
- EQUIPMENT CONNECTION, WALL MOUNT +18", OR AS NOTED, REFER TO ELECTRICAL EQUIPMENT CONNECTION SCHEDULE FOR CONNECTION TYPE
- (J) JUNCTION BOX, WITH PULL STRING, WALL MOUNT, REFER TO PLAN OR DETAIL FOR MOUNTING HEIGHT
- (T) UTILITY TRANSFORMER
- (M) Owner UTILITY METER
- PANELBOARD - SURFACE MOUNTED
- PANELBOARD - RECESSED IN WALL

LIGHTING SYMBOLS

- EXTERIOR POLE MOUNTED LIGHT FIXTURE, REFER TO LIGHT FIXTURE SCHEDULE

ELECTRICAL ABBREVIATIONS

A	DEVICE MOUNTED +8" ABOVE COUNTER TOP (VERIFY LOCATION)	MLO	MAIN LUGS ONLY
AFF	ABOVE FINISHED FLOOR	NM	NONMETALLIC
ATS	AUTOMATIC TRANSFER SWITCH	NNIC	NOT IN CONTRACT
C	CEILING	NTS	NOT TO SCALE
CB	CIRCUIT BREAKER	OC	ON CENTER
CT	CURRENT TRANSFORMER	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
EC	ELECTRICAL CONTRACTOR	OFOI	OWNER FURNISHED, OWNER INSTALLED
EM	EMERGENCY LIGHT FIXTURE	SCCR	SHORT CIRCUIT CURRENT RATING
F	ROUGH IN FOR FUTURE DEVICE	T	TAMPER PROOF DEVICE
FAAP	FIRE ALARM ANNUNCIATOR PANEL	TCC	TEMP. CONTROL CONTRACTOR
FACP	FERN ALARM CONTROL PANEL	TV	TELEVISION
FSD	FIRE SMOKE DAMPER	TYP	TYPICAL
G	GROUND FAULT CIRCUIT INTERRUPTER	UPS	UNINTERRUPTIBLE POWER SUPPLY
GND	GROUND	V	VOLTS
KVA	KILO-VOLT-AMPERES	VA	VOLT-AMPERES
KW	KILOWATTS	WG	WIREGUARD COVER
MC	MECHANICAL CONTRACTOR	WP	WEATHERPROOF DEVICE
MCB	MAIN CIRCUIT BREAKER	WR	WEATHER RESISTANT DEVICE
MDP	MAIN DISTRIBUTION PANEL	+24"	INDICATES MOUNTING HEIGHT CENTER LINE OF DEVICE TO FINISHED FLOOR

ELEMENT PHASE ABBREVIATIONS

(E)	EXISTING ITEM TO REMAIN
(ER)	NEW LOCATION OF EXISTING ITEM
(N)	NEW ITEM IN EXISTING LOCATION
(R)	EXISTING ITEM TO BE REMOVED, PATCH AND/OR COVER
(RN)	REPLACE EXISTING ITEM WITH NEW
(RR)	EXISTING ITEM TO BE REMOVED AND RELOCATED

ELECTRICAL SHEET LIST

E-0	GENERAL NOTES & SYMBOLS
ED-1	DEMO - OVERALL SITE PLAN
E-1	OVERALL SITE PLAN
E-1.1	ENLARGED SITE PLAN - WEST FIELD
E-1.2	ENLARGED SITE PLAN - EAST FIELDS
E-2	ONE-LINE DIAGRAM AND ELECTRICAL SCHEDULES

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REGISTERED PROFESSIONAL ENGINEER — 99536PE — OREGON — MAY 10, 2021 — SCOTT ARTHUR COWDIN

EXPIRES: 12/31/2025

Client:
CITY OF VENETA
Kyle Schauer,
Public Works Director
88184 8th Street
Veneta, OR 97487
541- 935-2191

KCL ENGINEERING
309 W 4th Ave, Ste 201
Eugene, OR
97401
503-212-4612

Bolton Hills Sports Complex
24974 Bolton Hill Road
Veneta, OR 97487

Date: 04-30-2025
Drawn By: ART
Checked By: CAC
Submission:
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KEYNOTES (#)

1 COORDINATE ELECTRICAL SERVICE DISCONNECTION WITH ELECTRIC UTILITY AND REMOVE EXISTING POLE MOUNTED SERVICE ENCLOSURE AND POLE.

2 COORDINATE WITH ELECTRIC UTILITY TO REMOVE EXISTING SERVICE CONDUCTORS BACK TO UTILITY ENCLOSURE AT STREET. REMOVE CONDUIT WHERE EXPOSED BY OTHER WORK IN THE AREA. ABANDON IN PLACE CONDUIT THAT IS NOT READILY ACCESSIBLE.

3 COORDINATE WITH ELECTRIC UTILITY TO REMOVE EXISTING EPUD LIGHT POLE AND ATTACHED OVERHEAD BRANCH CIRCUIT NEARBY RECEPTACLE.

4 REMOVE WEATHERPROOF RECEPTACLE, POST, AND ASSOCIATED BRANCH CIRCUITRY BACK TO SOURCE.

5 DISCONNECT EXISTING FEEDER TO CONCESSION PANEL. PROTECT EXISTING FEEDER CONDUIT INTO CONCESSIONS BUILDING FOR RECONNECTION DURING NEW CONSTRUCTION.

1 OVERALL DEMO SITE PLAN
1" = 40'-0"

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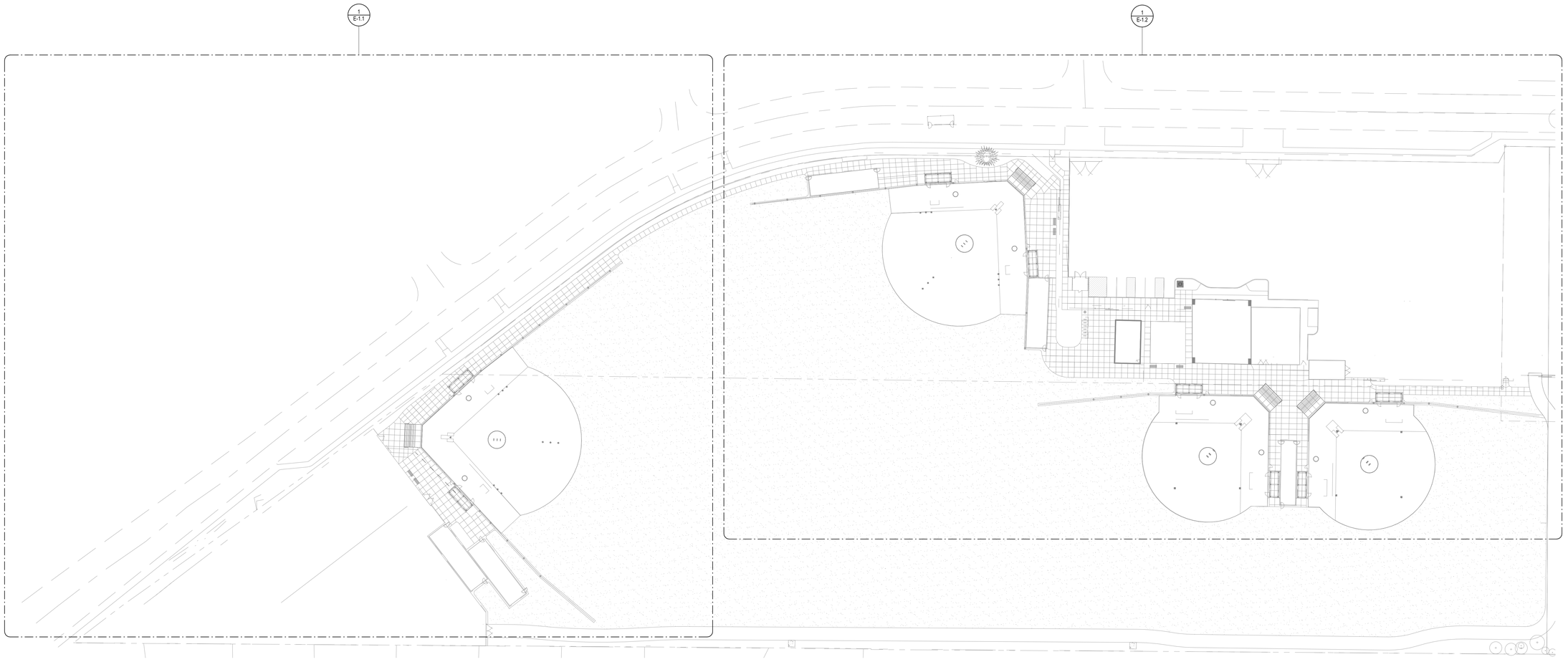

1 OVERALL SITE PLAN
1" = 40'-0"

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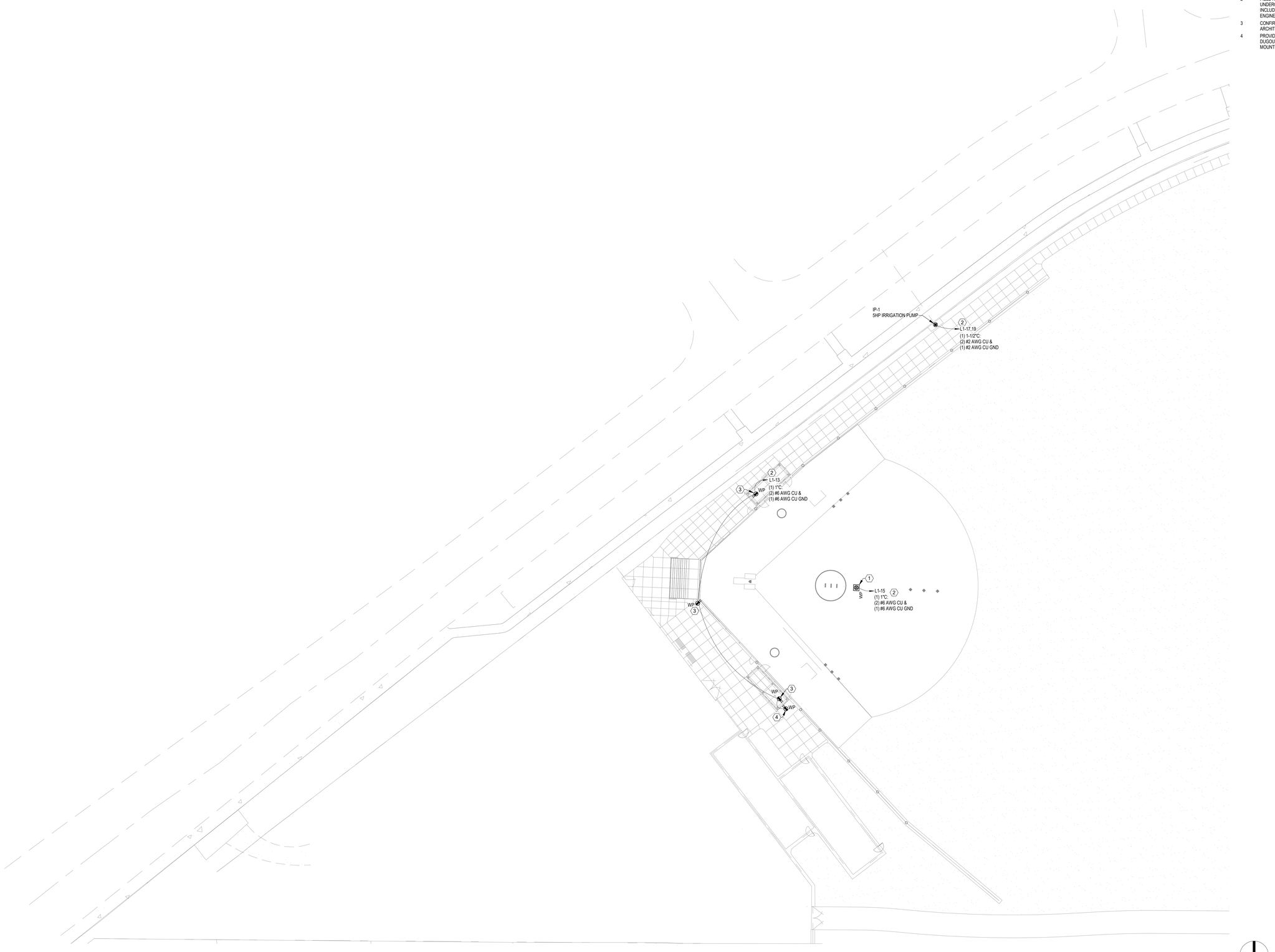
KEYNOTES (#)

1 PROVIDE IN-GROUND WEATHERPROOF BOX WITH 2-GANG DUPLEX RECEPTACLE COVER ASSEMBLY. BASIS OF DESIGN LEGRAND WIREMOLD XB814 (OUTDOOR GROUND BOX) AND XB814CS20BK (EXTERIOR BOX COVER WITH TWO NEMA 5-20R RECEPTACLES), 120V, UL LISTED, IN-USE WHILE CLOSED FLUSH COVER. COORDINATE EXACT DEVICE LOCATION WITH LANDSCAPE ARCHITECT AND SPORTS FIELD SURFACE CONTRACTOR. COORDINATE ATTACHMENT OF TURF TO TOP OF BOX LID TO DISGUISE COVER WITH SPORTS FIELD SURFACE CONTRACTOR.

2 FIELD ROUTE CONDUIT TO DEVICE/EQUIPMENT IN COORDINATION WITH OTHER UNDERGROUND UTILITY AND IRRIGATION SERVICES. PROVIDE ROUTING PLAN INCLUDING PROPOSED DEPTH FOR REVIEW AND APPROVAL BY CIVIL AND LANDSCAPE ENGINEERS PRIOR TO START OF ROUGH-IN.

3 CONFIRM DEVICE MOUNTING HEIGHT AND LOCATION WITH OWNER AND LANDSCAPE ARCHITECT PRIOR TO ROUGH-IN.

4 PROVIDE WEATHERPROOF GFCI RECEPTACLE WITH IN-USE COVER FOR FUTURE DUGOUT STORAGE CLOSET. CLOSET IS BY OWNER. COORDINATE LOCATION AND MOUNTING HEIGHT OF RECEPTACLE WITH OWNER PRIOR TO START OF ROUGH-IN.



1 ENLARGED SITE PLAN - WEST FIELDS
1" = 20'-0"

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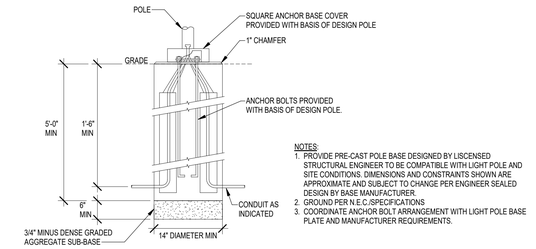
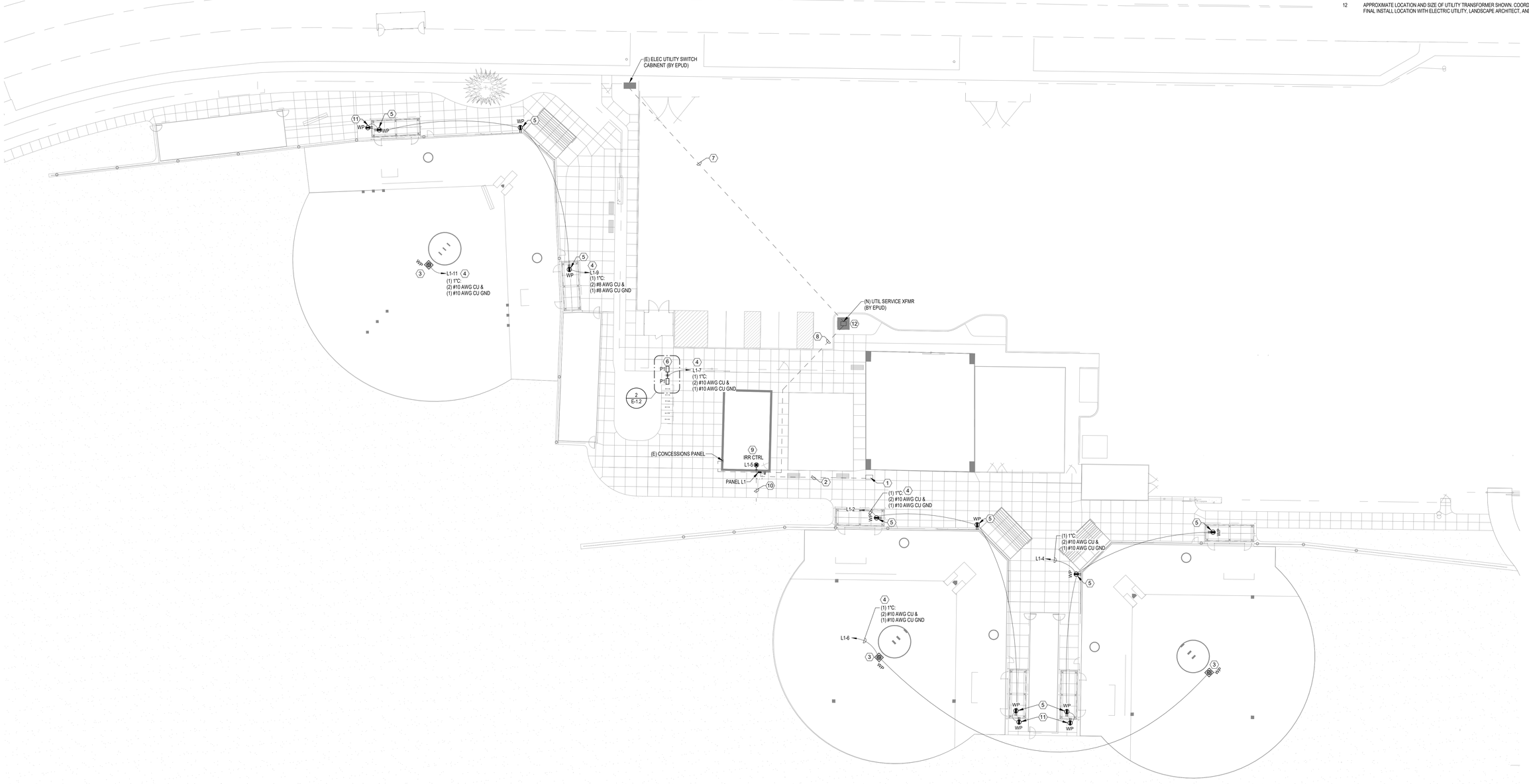


NOTES:
1. PROVIDE PRE-CAST POLE BASE DESIGNED BY LISCENSED STRUCTURAL ENGINEER TO BE COMPATIBLE WITH LIGHT POLE AND SITE CONDITIONS. DIMENSIONS AND CONSTRAINTS SHOWN ARE APPROXIMATE AND SUBJECT TO CHANGE PER ENGINEER SEALED DESIGN BY BASE MANUFACTURER.
2. GROUND PER N.E.C./SPECIFICATIONS
3. COORDINATE ANCHOR BOLT ARRANGEMENT WITH LIGHT POLE BASE PLATE AND MANUFACTURER REQUIREMENTS.

2 LIGHTING POLE BASE - POURED IN PLACE
NOT TO SCALE

KEYNOTES ⬡ #

1	PROVIDE UNDERGROUND JUNCTION BOX FOR FUTURE EXTENSION OF POWER TO COVERED PAVILION. BASIS OF DESIGN, OLDCASTLE POLYMER 1118. CONFIRM INSTALL LOCATION WITH OWNER AND LANDSCAPE ARCHITECT PRIOR TO ROUGH-IN.
2	PROVIDE (1) 2" CONDUIT WITH PULL STRING FROM PANEL TO UNDERGROUND JUNCTION BOX IN APPROXIMATE LOCATION SHOWN.
3	PROVIDE IN-GROUND WEATHERPROOF BOX WITH 2-GANG DUPLEX RECEPTACLE COVER ASSEMBLY. BASIS OF DESIGN LEGRAND WIREMOLD XB814 (OUTDOOR GROUND BOX) AND XB814CS208K (EXTERIOR BOX COVER WITH TWO NEMA 5-20R RECEPTACLES), 120V, UL LISTED, IN-USE WHILE CLOSED FLUSH COVER. COORDINATE EXACT DEVICE LOCATION WITH LANDSCAPE ARCHITECT AND SPORTS FIELD SURFACE CONTRACTOR. COORDINATE ATTACHMENT OF TURF TO TOP OF BOX LID TO DISGUISE COVER WITH SPORTS FIELD SURFACE CONTRACTOR.
4	FIELD ROUTE CONDUIT TO DEVICE/EQUIPMENT IN COORDINATION WITH OTHER UNDERGROUND UTILITY AND IRRIGATION SERVICES. PROVIDE ROUTING PLAN INCLUDING PROPOSED DEPTH FOR REVIEW AND APPROVAL BY CIVIL AND LANDSCAPE ENGINEERS PRIOR TO START OF ROUGH-IN.
5	CONFIRM DEVICE MOUNTING HEIGHT AND LOCATION WITH OWNER AND LANDSCAPE ARCHITECT PRIOR TO ROUGH-IN.
6	LIGHTING CONTROLS PROVIDED BY INTEGRAL COMBONATION PHOTOCELL/OCCUPANCY SENSOR. PROGRAM SENSOR FOR AUTOMATIC ON AT DUSK, DIM TO 50% POWER OUTPUT AFTER 1 HOUR OF NO OCCUPANCY DETECTION, DIM TO 10% POWER OUTPUT AFTER 20 ADDITIONAL MINUTES OF NO OCCUPANCY DETECTION, FULL ON IF OCCUPANCY DETECTED, OFF AT DAWN.
7	UNDERGROUND UTILITY PRIMARY POWER FEED FROM EXISTING EPUD SWITCH CABINET. ROUTING SHOWN IS DIAGRAMMATIC. COORDINATE ROUTING WITH UTILITY, LANDSCAPE ARCHITECT, AND CIVIL ENGINEER. REFER TO SHEET E-2 FOR ELECTRICAL SERVICE INSTALLATION REQUIREMENTS.
8	UNDERGROUND SECONDARY SERVICE LATERAL. ROUTING SHOWN IS DIAGRAMMATIC. COORDINATE ROUTING WITH UTILITY, LANDSCAPE ARCHITECT, AND CIVIL ENGINEER. REFER TO SHEET E-2 FOR ELECTRICAL SERVICE INSTALLATION REQUIREMENTS.
9	PROVIDE POWER TO IRRIGATION CONTROLLER. CONFIRM POWER REQUIREMENTS WITH LANDSCAPE ARCHITECT PRIOR TO ROUGH-IN
10	PROVIDE 4" CONDUIT FROM IRRIGATION CONTROL TO GRASS AREA IN APPROXIMATE LOCATION SHOWN FOR 2-WIRE IRRIGATION CONTROL CIRCUITS. COORDINATE RACEWAY LOCATION, SIZE, AND QUANTITY NEEDED WITH LANDSCAPE ARCHITECT.
11	PROVIDE WEATHERPROOF GFCI RECEPTACLE WITH IN-USE COVER FOR FUTURE DUGOUT STORAGE CLOSET. CLOSET IS BY OWNER. COORDINATE LOCATION AND MOUNTING HEIGHT OF RECEPTACLE WITH OWNER PRIOR TO START OF ROUGH-IN.
12	APPROXIMATE LOCATION AND SIZE OF UTILITY TRANSFORMER SHOWN. COORDINATE FINAL INSTALL LOCATION WITH ELECTRIC UTILITY, LANDSCAPE ARCHITECT, AND CIVIL.



1 ENLARGED SITE PLAN - EAST FIELD
1" = 20'-0"

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BRANCH PANEL: L1

LOCATION: EXTERIOR OF CONCESSION BLDG. **VOLTAGE:** 120/240 SINGLE **SCCR RATING:** 10 KA
SUPPLY FROM: UTILITY SERVICE **PHASES:** 1 **MAINS TYPE:** MCB
MOUNTING: SURFACE **WIRES:** 3 **MAINS RATING:** 200 A
ENCLOSURE: NEMA 4 **MCB RATING:** 200 A

NOTES:

CIRCUIT DESCRIPTION	P	AMP	CKT NO	A		B		CKT NO	AMP	P	CIRCUIT DESCRIPTION
CONCESSIONS PANEL	2	125 A	1	0	720			2	20 A	1	WEST SOFTBALL FIELD RECEPTACLES
			3			0	720	4	20 A	1	EAST SOFTBALL FIELD RECEPTACLE
IRRIGATION CONTROLLER	1	20 A	5	500	720			6	20 A	1	SOFTBALL PITCHING MOUND RECPTACLES
SITE LIGHTING	1	20 A	7			66	0	8	20 A	1	SPARE
EAST BASEBALL FIELD RECEPTACLES	1	20 A	9	720	0			10	20 A	1	SPARE
EAST BASEBALL FIELD MOUND RECPT	1	20 A	11			360	0	12	20 A	1	SPARE
WEST BASEBALL FIELD RECEPTACLES	1	20 A	13	720	0			14	20 A	1	SPARE
WEST BASEBALL FIELD MOUND RECPT	1	20 A	15			360	0	16	20 A	1	SPARE
IRRIGATION WATER PUMP	2	40 A	17	3360	0			18	20 A	1	SPARE
			19			3360	0	20	20 A	1	SPARE
SPARE	1	20 A	21	0	0			22	20 A	1	SPARE
SPARE	1	20 A	23			0	0	24	20 A	1	SPARE
SPARE	1	20 A	25	0	0			26	20 A	1	SPARE
SPARE	1	20 A	27			0	0	28	20 A	1	SPARE
SPARE	1	20 A	29	0	0			30	20 A	1	SPARE
SPACE	1	--	31			--	--	32	--	1	SPACE
SPACE	1	--	33	--	--			34	--	1	SPACE
SPACE	1	--	35			--	--	36	--	1	SPACE
SPACE	1	--	37	--	--			38	--	1	SPACE
SPACE	1	--	39			--	--	40	--	1	SPACE
SPACE	1	--	41	--	--			42	--	1	SPACE
				6740 VA		4866 VA					
				56 A		41 A					

LEGEND:
"G" INDICATES GFCI TYPE BREAKER

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
EQUIPMENT	7220 VA	100.00%	7220 VA		
LIGHTING	66 VA	125.00%	83 VA	**TOTAL CONN. LOAD:**	11606 VA
RECEPTACLE	4320 VA	100.00%	4320 VA	**TOTAL EST. DEMAND:**	11623 VA
				TOTAL CONN.:	48 A
				TOTAL EST. DEMAND:	48 A

NOTES:

BRANCH PANEL: CONCESSIONS PANEL

LOCATION: CONCESSION BLDG. **VOLTAGE:** 120/240 SINGLE **SCCR RATING:** 10 KA
SUPPLY FROM: L1 **PHASES:** 1 **MAINS TYPE:** MCB
MOUNTING: RECESSED **WIRES:** 3 **MAINS RATING:** 200 A
ENCLOSURE: TYPE 1 **MCB RATING:** 200 A

NOTES:

CIRCUIT DESCRIPTION	P	AMP	CKT NO	A		B		CKT NO	AMP	P	CIRCUIT DESCRIPTION
EXISTING	1	20 A	1	0	0			2	20 A	1	EXISTING
EXISTING	1	20 A	3			0	0	4	20 A	1	EXISTING
EXISTING	1	20 A	5	0	0			6	20 A	1	EXISTING
EXISTING	1	20 A	7			0	0	8	20 A	1	EXISTING
EXISTING	1	20 A	9	0	0			10	20 A	1	EXISTING
EXISTING	1	20 A	11			0	0	12	20 A	1	EXISTING
EXISTING	1	20 A	13	0	0			14	20 A	1	EXISTING
EXISTING	1	20 A	15			0	0	16	20 A	1	EXISTING
EXISTING	1	20 A	17	0	0			18	20 A	1	EXISTING
EXISTING	1	20 A	19			0	0	20	20 A	1	EXISTING
EXISTING	1	20 A	21	0	0			22	20 A	1	EXISTING
SPACE	1	--	23			--	--	24	--	1	SPACE
SPACE	1	--	25	--	--			26	--	1	SPACE
SPACE	1	--	27			--	--	28	--	1	SPACE
SPACE	1	--	29	--	--			30	--	1	SPACE
				0 VA		0 VA					
				0 A		0 A					

LEGEND:
"G" INDICATES GFCI TYPE BREAKER

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
				TOTAL CONN. LOAD:	0 VA
				TOTAL EST. DEMAND:	0 VA
				TOTAL CONN.:	0 A
				TOTAL EST. DEMAND:	0 A

NOTES:

EQUIPMENT CONNECTION SCHEDULE

GENERAL NOTES:
1. INCLUDE AUXILLIARY CONTACTS AND LOW-VOLTAGE WIRING TO AUXILLIARY EQUIPMENT THAT RUNS IN TANDEM WITH EQUIPMENT, (I.E. 120V DAMPERS WITH 480V MOTORS).

ABBREVIATIONS:

1	NEMA 1 ENCLOSURE	INT	INTEGRAL WITH EQUIPMENT FROM FACTORY
3R	NEMA 3R ENCLOSURE	MMS	MANUAL MOTOR STARTER WITH FUSES
4	NEMA 4 ENCLOSURE	NFD	NON-FUSED DISCONNECT SWITCH, HEAVY DUTY
4X	NEMA 4X ENCLOSURE	RD	RETURN AIR DUCT DETECTOR
BO	PROVIDED BY OTHERS	RSR	RUN STATUS RELAY , NORMALLY OPEN
CB	CIRCUIT BREAKER IN PANEL	SD	SUPPLY AIR DUCT DETECTOR
CSD	COMBINATION STARTER/DISCONNECT	SSP	START/STOP PUSHBUTTON WITH PILOT
CP	CORD AND PLUG PROVIDED WITH UNIT	SS	START/STOP PUSHBUTTON
ECB	ENCLOSED CIRCUIT BREAKER	ST	SHUNT TRIP
FAR	FIRE ALARM SHUTDOWN RELAY	TDR	TIME DELAY OFF RELAY
FDS	FUSED DISCONNECT SWITCH, HEAVY DUTY	TS	TOGGLE SWITCH WITH PLUG FUSE
GF	GROUND FAULT CIRCUIT INTERRUPTION	VFD	VARIABLE FREQUENCY DRIVE
HOA	HAND-OFF-AUTO		

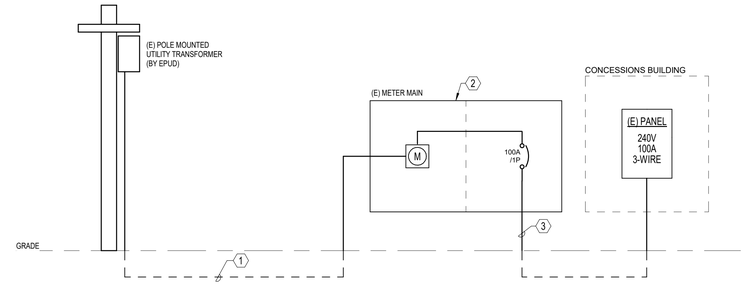
	ELECTRICAL CHARACTERISTICS					DISCONNECT				CONTROLS	
TAG	VOLTAGE	PHASE	MOTOR HP	KW	FLA	TYPE	SIZE (AMPS)	NEMA RATING	FUSE SIZE (AMPS)	STARTER	REMARKS
IP-1	240 V	1	5	-	28	INT	-	-	-	VFD	DISCONNECT AND MOTOR CONTROLS PROVIDED WITH PUMP FROM FACTORY. CONFIRM POWER REQUIREMENTS WITH APPROVED EQUIPMENT SUBMITTAL.

LIGHTING FIXTURE SCHEDULE

NOTES:
1. ALL FIXTURES SHALL BE U.L. OR SIMILARLY LISTED.
2. INCLUDE A MINIMUM 1 YEAR WARRANTY FOR LIGHTING FIXTURES, WHERE NOT OTHERWISE SPECIFIED.
3. REFER TO ARCHITECTURAL DOCUMENTS FOR EXACT MOUNTING LOCATIONS, DETAILS, AND CONFIGURATIONS OF ALL LUMINAIRES. IF ARCHITECTURAL DRAWINGS DO NOT CLARIFY EXACT MOUNTING LOCATION OR DETAIL, ISSUE AN RFI FOR ARCHITECT TO SPECIFICALLY CLARIFY PRIOR TO FIXTURE ROUGH-IN.
4. VERIFY COMPATIBILITY OF LIGHT FIXTURES WITH CEILING MATERIAL, ADJACENT CONSTRUCTION, AND ADJACENT FINISHES PRIOR TO SHOP DRAWINGS SUBMITTAL NOTIFY THE ARCHITECT OF ANY CONFLICTS WITH THE PROPOSED INSTALLATION.
5. CONTRACTOR IS RESPONSIBLE FOR ALL MISCELLANEOUS HARDWARE NECESSARY TO INSTALL AND SUPPORT THE LUMINAIRES.
6. AIM AND TARGET ADJUSTABLE INTERIOR AND EXTERIOR LIGHT FIXTURES UNDER THE OBSERVATION AND IN COMPLIANCE WITH RECOMMENDATIONS OF THE ARCHITECT. INCLUDE LABOR AND MATERIAL COSTS MADE NECESSARY BY THIS REQUIREMENT.
7. CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND FILLING OUT ALL UTILITY REBATE FORMS FOR OWNER.

DESIGNED BY: ART

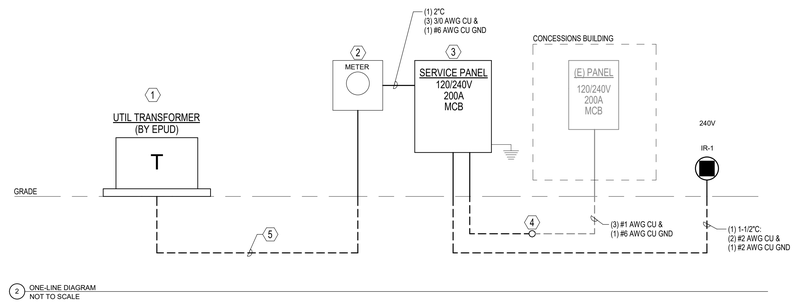
TYPE	MANUFACTURER	MODEL	DESCRIPTION	FINISH	LUMENS	CRI	DRIVER TYPE	SOURCE-CCT	VOLTAGE	INPUT WATTAGE	APPROVED EQUALS	LIGHT POLE
P1	ACUITY - LITHONIA	DSXO-P1-40K-70CRI-T3M-MVOLT-SPA-NLTAIR2 PIRHN-DBLXD	TYPE III LED POLE MOUNTED FIXTURE ON 16FT POLE	BLACK	4800	70	INTEGRAL	LED - 4000K	120 V	33 W	AS APPROVED BY ENGINEER	BASIS OF DESIGN: SHAKESPEARE - SSAA-15-RK-DT, 4" STRAIGHT SQUARE COMPOSITE POLE WITH ANCHOR BASE, 15 FT LENGTH, 9.8 EPA @ 100 MPH, BOLT HOLE CIRCLE 8"-12.5", 37 LBS.



1 ONE-LINE DIAGRAM - DEMO
NOT TO SCALE

DEMO ONE-LINE DIAGRAM KEYNOTES: (#)

1. COORDINATE WITH ELECTRIC UTILITY TO REMOVE EXISTING ELECTRICAL SERVICE CONDUCTOR FROM SECONDARY RISER TO EXISTING SERVICE METER MAIN ENCLOSURE. ABANDON EXISTING UNDERGROUND CONDUIT IN PLACE.
2. REMOVE EXISTING POLE MOUNTED ELECTRICAL SERVICE METER MAIN ENCLOSURE. RETURN METER MAIN TO OWNER.
3. DISCONNECT EXISTING FEEDER TO PANELBOARD IN THE CONCESSIONS BUILDING. PROTECT EXISTING UNDERGROUND PORTION OF FEEDER TO ALLOW FOR INTERCEPTION AND RECONNECTION TO NEW SERVICE PANEL.



2 ONE-LINE DIAGRAM
NOT TO SCALE

ONE-LINE DIAGRAM KEYNOTES: (#)

1. NEW PAD-MOUNTED UTILITY SERVICE TRANSFORMER BY EPUD. CONTACT UTILITY REPRESENTATIVE TO REQUEST FINAL UTILITY DESIGN, AND APPLICABLE STANDARDS AND INSTALLATION REQUIREMENTS. REFER TO SITE PLAN FOR APPROXIMATE LOCATION OF NEW SERVICE TRANSFORMER. COORDINATE FINAL LOCATION WITH UTILITY, OWNER, AND LANDSCAPE ARCHITECT PRIOR TO ROUGH-IN OF CONDUIT TO TRANSFORMER LOCATION.

   ELECTRIC UTILITY CONTACT:
   JOHN NORRENA
   EPUD SENIOR ENGINEERING TECHNICIAN
   PHONE: 541735-4366
2. PROVIDE NEW METER BASE PER ELECTRIC UTILITY STANDARDS.
3. PROVIDE NEW SERVICE ENTRANCE RATED PANELBOARD. ESTABLISH NEUTRAL TO GROUND BOND AT SERVICE PANEL PER NEC 250.
4. PROVIDE NEW FEEDER FROM SERVICE PANEL TO EXISTING PANEL IN CONCESSION BUILDING. LOCATE AND INTERCEPT EXISTING UNDERGROUND RACEWAY SERVING THE PANEL IN THE CONCESSION BUILDING AND CONNECT NEW CONDUIT ROUTED BACK TO THE NEW SERVICE PANEL. NEW FEEDER CONDUIT TO MATCH EXISTING. NEW FEEDER CONDUCTORS SIZED AS NOTED.
5. UTILITY SECONDARY SERVICE LATERAL SIZED BY EPUD.

ELECTRICAL SERVICE RESPONSIBILITY MATRIX

ITEM DESCRIPTION	CFCI	UFCI	OFCI	UFUI	OFUI
PAD-MOUNTED TRANSFORMER					X
TRANSFORMER SLEEVE	X				
PRIMARY CONDUCTOR				X	
SECONDARY CONDUCTOR				X	
PRIMARY CONDUIT	X				
SECONDARY CONDUIT	X				
TRENCHING AND BACKFILL	X				
UNDERGROUND BOXES & VAULTS	X				
SECONDARY TERMINATIONS				X	
METER BASE	X				
METER				X	
METER TO SERVICE PANEL CONDUIT	X				

LEGEND:
CFCI = CONTRACTOR FURNISHED CONTRACTOR INSTALLED
UFCI = UTILITY FURNISHED CONTRACTOR INSTALLED
OFCI = OWNER FURNISHED CONTRACTOR INSTALLED
UFUI = UTILITY FURNISHED UTILITY INSTALLED
OFUI = OWNER FURNISHED CONTRACTOR INSTALLED

GENERAL NOTES:
A. CONDUCT PRECONSTRUCTION MEETING WITH UTILITY REPRESENTATIVE AND OWNER TO CONFIRM RESPONSIBILITIES LISTED ABOVE.
B. REFER TO AND BECOME FAMILIAR WITH ALL APPLICABLE UTILITY DESIGN AND CONTRUCTION STANDARDS AND INSTALLATION REQUIREMENTS PRIOR TO MATERIAL AND EQUIPMENT PROCURMENT AND START OF ROUGH-IN.

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REGISTERED PROFESSIONAL ENGINEER 99536PE OREGON MAY 10, 2021 SCOTT ARTHUR COWDIN
EXPIRES: 12/31/2025

Client:
CITY OF VENETA
Kyle Schauer,
Public Works Director
88184 8th Street
Veneta, OR 97487
541- 935-2191

VENETA oregon

KCL ENGINEERING
309 W 4th Ave, Ste 201
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97401
503-212-4612

Bolton Hills Sports Complex
24974 Bolton Hill Road
Veneta, OR 97487

Date: 04-30-2025
Drawn By: ART
Checked By: CAC
Submission:
BID DOCUMENTS
Revisions
1 -
2 -
3 -
4 -

E-2

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