PROVIDENCE, RI

ISSUED FOR REBID 01/16/25

RE-BID SITE IMPROVEMENTS AT GANO ST PARK

HONORABLE
BRETT P. SMILEY
MAYOR

WENDY NILSSON
SUPERINTENDENT OF PARKS

JOHN GONCALVES
CITY COUNCILOR

LOCUS MAP *NOT TO SCALE*

SHEET SCHEDULE

IRRIGATION NOTES

1. PIPE AND VALVE LOCATIONS ARE DIAGRAMMATIC, CONTRACTOR SHALL FIELD VERIFY.
2. CONTROL WIRE SHALL BE #14 GAUGE SINGLE STRAND RED, COMMON WIRE SHALL BE #12 GAUGE SINGLE STRAND WHITE, AND SPARE WIRES, INSTALLED WHERE SHOWN, SHALL BE #14 GAUGE SINGLE STRAND BLUE.
3. QUICK COUPLING VALVES SHALL BE INSTALLED ON 1" PVC SWING JOINTS WITH BRASS INSERTS AND STABILIZERS (SEE DETAIL).
4. ROTARY SPRINKLERS SHALL BE INSTALLED ON 1" PVC PREFABRICATED UNITIZED SWING JOINT ASSEMBLIES WITH INTEGRAL O-RINGS.
5. IRRIGATION SYSTEM IS DESIGNED TO SUPPLY 50 GPM MAX FROM NEW 2" SERVICE. SYSTEM TO PRODUCE 70-PSI DYNAMIC PRESSURE AT IRRIGATION CONTRACTOR'S POINT OF CONNECTION DOWN STREAM OF NEW BOOSTER PUMP. CONTRACTOR TO VERIFY WATER PRESSURE AND VOLUME.
6. CONTRACTOR SHALL TEST DYNAMIC PRESSURE BEFORE STARTING WORK. REPORT ANY DEVIATION FROM PRESSURE REQUIRED TO OWNER'S REPRESENTATIVE BEFORE CONTINUING.
7. INSTALL CONTROLLER IN CONCESSIONS MECHANICAL ROOM AS DIRECTED BY OWNER'S REPRESENTATIVE, HARD WIRE TO 120 VOLT BUILDING POWER SUPPLY. ROUTE ZONE AND SPARE WIRES TO CONTROLLER VIA 2" CONDUIT.
8. INSTALL RAIN SENSOR ON EXTERIOR BUILDING WALL WHERE DIRECTED BY OWNER'S REPRESENTATIVE. EXTERIOR RAIN SENSOR WIRING SHALL BE CONTAINED IN 1/2" SCHEDULE PVC ELECTRICAL CONDUIT, SECURED TO OUTSIDE OF BUILDING WALL.
9. COORDINATE LOCATION OF EXISTING AND FUTURE UTILITIES ON SITE AND CONTACT PROPER AUTHORITIES AND UTILITY COMPANIES BEFORE THE START OF WORK.
10. FLUSH LATERAL LINES BEFORE INSTALLING SPRINKLERS.
11. CONTRACTOR MUST PROVIDE PRODUCT SUBMITTALS AS PER THE WRITTEN SPECIFICATIONS TO THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO ORDERING MATERIAL AND BEGINNING WORK.
12. ONCE APPROVED SUBMITTALS HAVE BEEN RETURNED TO THE CONTRACTOR WORK MAY BEGIN. THE OWNER'S REPRESENTATIVE MUST BE NOTIFIED A MINIMUM OF SEVEN (7) DAYS IN ADVANCE OF WORK TO COORDINATE ON-SITE SUPERVISION AND ADMINISTRATION.
13. SEE IRRIGATION DETAILS AND SPECIFICATIONS FOR ADDITIONAL NECESSARY INFORMATION.
14. CONTRACTOR TO VERIFY PRESSURE AND VOLUME PRIOR TO INSTALLATION.
15. ALL AREAS DISTURBED BY IRRIGATION LINE INSTALLATION TO BE LOAMED AND SEEDED.

DEMOLITION PLAN GENERAL NOTES

1. ALL SITE PREPARATION NECESSARY TO COMPLETE THIS PROJECT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH PROVIDENCE PARKS DEPARTMENT STAFF TO DEVELOP A SUITABLE DEMOLITION PLAN, WHICH WILL MINIMIZE PARK DISTURBANCE AND ALLOW ALL FACILITIES TO REMAIN IN OPERATION DURING THE ENTIRETY OF CONSTRUCTION.
3. UNLESS OTHERWISE NOTED, THE CONTRACTOR IS RESPONSIBLE FOR THE RELOCATION, DEMOLITION, REMOVAL AND DISPOSAL, IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES, OF ALL EXISTING SITE ELEMENTS AND STRUCTURES INCLUDING BUT NOT LIMITED TO BITUMINOUS CONCRETE, CEMENT CONCRETE, GRAVEL, CURBS, WALKWAYS, SIDEWALKS, BERMS, FENCES, BOLLARDS, POSTS, PLANTING BEDS, TREES, SHRUBS, UTILITIES, DRAINAGE STRUCTURES AND ALL OTHER STRUCTURES SHOWN WITHIN THE LIMITS, AND WHERE NEEDED, TO ALLOW FOR NEW CONSTRUCTION. ALL ELEMENTS TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER SPECIFICATIONS.
4. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE SITE AND DISPOSING OF THE DEBRIS IN A PROPER AND LEGAL MANNER.
5. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND.OR ELEVATION OF EXISTING UTILITIES AND STRUCTURES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF VARIOUS UTILITY COMPANIES, AND WHEREVER POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY, ANY GOVERNING PERMITTING AUTHORITY IN THE CITY, AND "DIGSAFE" (1-800-344-7233) AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK IN PREVIOUSLY UNALTERED AREAS TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RESOLVE CONFLICTS BETWEEN THE PROPOSED UTILITIES AND FIELD-LOCATED UTILITIES AND SHALL REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT IMMEDIATELY. THE OWNER ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED, INCOMPLETELY OR INACCURATELY SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCURATE RECORDS OF THE LOCATION AND ELEVATION OF ALL WORK INSTALLED AND EXISTING UTILITIES FOUND DURING CONSTRUCTION FOR THE PREPARATION OF THE AS-BUILT PLAN.
6. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL EXISTING UTILITIES IN WORKING ORDER AND FREE FROM DAMAGE DURING THE ENTIRE DURATION OF THE PROJECT. ALL COST RELATED TO THE REPAIR OF UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. EXCAVATION REQUIRED WITHIN THE PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINE OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO COST TO THE OWNER.
7. THE CONTRACTOR SHALL MAINTAIN CONTINUOUS ACCESS AND OPERATION FOR SURROUNDING FACILITIES, AS DEEMED BY THE OWNER, AT ALL TIMES DURING DEMOLITION OF THE EXISTING FACILITIES.
8. PRIOR TO DEMOLITION OCCURRING, ALL EROSION CONTROL DEVICES AND TREE PROTECTIVE MEASURES ARE TO BE INSTALLED.

EROSION & SEDIMENT CONTROL NOTES

1. THE SITE CONSTRUCTION FOREMAN SHALL BE DESIGNATED AS THE ON-SITE PERSONNEL RESPONSIBLE FOR THE DAILY INSPECTION AND MAINTENANCE OF ALL ESC MEASURES AND SHALL IMPLEMENT ALL NECESSARY MEASURES TO CONTROL EROSION AND PREVENT SEDIMENT FROM LEAVING THE SITE.
2. THE CONTRACTOR SHALL INSTALL ALL ESC MEASURES AS SHOWN ON THE DESIGN PLANS AND AS DETERMINED NECESSARY IN THE FIELD BY OWNER'S REPRESENTATIVE BEFORE ANY CONSTRUCTION ACTIVITIES ARE TO BEGIN. THESE MEASURES SHALL BE CHECKED, MAINTAINED/REPLACED AS NECESSARY DURING THE ENTIRE CONSTRUCTION PERIOD OF THE PROJECT. SUCH MEASURES SHALL REPRESENT THE LIMIT OF WORK. WORKERS SHALL BE INFORMED THAT NO CONSTRUCTION ACTIVITY IS TO OCCUR BEYOND THE LIMIT OF WORK AT ANY TIME THROUGH THE CONSTRUCTION PERIOD.
3. A MINIMUM SURPLUS OF 100 FEET OF EROSION CONTROL BARRIER (SILT FENCE&/OR SILT SOCK) SHALL BE STOCKPILED ONSITE AT ALL TIMES.
4. THE CONTRACTOR SHALL PROTECT THE ADJACENT AREA FROM SEDIMENTATION DURING PROJECT CONSTRUCTION OPERATIONS.
5. A CONSTRUCTION EXIT SHALL BE CONSTRUCTED TO SHED DIRT FROM CONSTRUCTION VEHICLE TIRES. THE CONSTRUCTION EXIT SHALL BE REPLACED/CLEANED AS NEEDED TO MAINTAIN ITS EFFECTIVENESS.
6. THE LIMIT OF ALL CLEARING, GRADING AND DISTURBANCES SHALL BE KEPT TO A MINIMUM WITHIN THE PROPOSED AREA OF CONSTRUCTION. THE CONTRACTOR SHALL PHASE THE SITE WORK IN A MANNER TO MINIMIZE AREAS OF EXPOSED SOIL.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MONITOR LOCAL WEATHER REPORTS DURING CONSTRUCTION AND PRIOR TO SCHEDULING EARTHMOVING OR OTHER CONSTRUCTION ACTIVITIES WHICH WILL LEAVE LARGE DISTURBED AREAS UNSTABILIZED. IF INCLEMENT WEATHER IS PREDICTED, THE CONTRACTOR SHALL USE THEIR BEST PROFESSIONAL JUDGEMENT AND SHALL BE RESPONSIBLE FOR ENSURING THAT NECESSARY EROSION CONTROL DEVICES ARE INSTALLED AND FUNCTIONING PROPERLY TO MINIMIZE EROSION FROM ANY IMPENDING WEATHER EVENTS.
8. SOIL ESC MEASURES SHALL BE INSPECTED AND MAINTAINED ON A WEEKLY BASIS AND AFTER EACH RAINFALL EVENT OF 0.25 INCH OR GREATER DURING CONSTRUCTION TO ENSURE THAT THE ESC MEASURES ARE INTACT AND FUNCTIONING PROPERLY. IDENTIFIED DEFICIENCIES SHALL BE CORRECTED IMMEDIATELY NO LATER THAN 24 HOURS AFTER IDENTIFICATION.
9. SOIL STOCKPILES LEFT OVERNIGHT SHALL BE SURROUNDED ON THEIR PERIMETERS WITH SILT SOCK.
10. DISTURBED AREAS AND SLOPES SHALL NOT BE LEFT UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON. THE CONTRACTOR SHOULD PROVIDE APPROPRIATE STABILIZATION PRACTICES ON ALL DISTURBED AREAS AS SOON AS POSSIBLE BUT NOT MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT AREA HAS TEMPORARILY OR PERMANENTLY CEASED. TEMPORARY AREAS HAVING A SLOPE GREATER THAN 3:1 SHALL BE REINFORCED WITH EROSION BLANKETS OR APPROVED EQUAL UNTIL THE SITE IS PROPERLY STABILIZED. TEMPORARY SWALES MAY ALSO BE REQUIRED IF DETERMINED NECESSARY IN THE FIELD BY OWNER'S REPRESENTATIVE.
11. THE CONTRACTOR SHALL CONTAIN ALL SEDIMENT ONSITE. ALL EXITS FROM THE SITE WILL BE SWEPT AS NECESSARY INCLUDING ANY SEDIMENT TRACKING. PAVED AREAS SHALL BE SWEPT AS NEEDED TO REMOVE SEDIMENT AND POTENTIAL POLLUTANTS WHICH MAY ACCUMULATE DURING SITE WORK.
12. ACCUMULATED SEDIMENT SHALL BE REMOVED FROM ALL ESC MEASURES AND DISPOSED OF IN A PRE-APPROVED LOCATION BY THE CONTRACTOR.
13. DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS AS NECESSARY.

GENERAL CONSTRUCTION NOTES

1. INFORMATION FOR THE EXISTING CONDITIONS PLAN WAS OBTAINED FROM GIS, AERIAL IMAGERY, FIELD OBSERVATION, AND PARTIAL SURVEY. ALL EXISTING CONDITIONS ARE TO BE CONSIDERED APPROXIMATE. THIS IS NOT A REGISTERED SURVEY.
2. ANY ERRORS OR DISCREPANCIES ON THE DRAWINGS, SHOP DRAWINGS, AND DETAILS ARE TO BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE BEFORE THE WORK HAS COMMENCED.
3. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL LOCATIONS AND DIMENSIONS. DISCREPANCIES BETWEEN LAYOUT DIMENSIONS ON PLANS AND ACTUAL MEASUREMENTS IN FIELD ARE TO BE REPORTED TO THE OWNER'S REPRESENTATIVE BEFORE CONSTRUCTION BEGINS.
4. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO DEMOLITION OR INSTALLATION OF ANY PORTION OF THE SITE WORK .
5. THE CONTRACTOR SHALL STAKE OUT ALL LAYOUTS OF PROPOSED WORK FOR APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCING WORK.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL CONTROL POINTS AND BENCHMARKS DURING CONSTRUCTION INCLUDING BENCHMARK LOCATIONS AND ELEVATIONS AT CRITICAL AREAS. THE LOCATION OF ALL CONTROL POINTS AND BENCHMARKS SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE.
7. UNLESS OTHERWISE SPECIFIED ON THE PLANS AND DETAILS/SPECIFICATIONS, ALL SITE CONSTRUCTION MATERIALS AND METHODOLOGIES ARE TO CONFORM TO THE MOST RECENT VERSION OF THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2015 EDITION).
8. CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE LAWS AND REGULATIONS REGARDING NOISE, VIBRATION, DUST, SEDIMENTATION CONTAINMENT, AND TRENCH WORK.
9. THE CONTRACTOR SHALL RESTORE ALL SURFACES EQUAL TO THEIR ORIGINAL CONDITION AFTER CONSTRUCTION IS COMPLETE. AREAS NOT DISTURBED BY CONSTRUCTION SHALL BE LEFT NATURAL. THE CONTRACTOR SHALL TAKE CARE TO PREVENT DAMAGE TO SHRUBS, TREES, AND OTHER LANDSCAPING OR NATURAL FEATURES, WHEREAS THE PLANS DO NOT SHOW ALL LANDSCAPING FEATURES. EXISTING CONDITIONS MUST BE VERIFIED BY THE CONTRACTOR IN ADVANCE OF THE WORK.
10. ALL UNPAVED AREAS DISTURBED BY THE WORK SHALL HAVE A MINIMUM OF 4-INCHES OF LOAM INSTALLED AND SEEDED WITH GRASS SEED AS SHOWN ON THE PLAN AND/OR DIRECTED BY THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING ANY LOAM AND SEEDED AREAS UNTIL LAWN GROWTH IS ESTABLISHED AND APPROVED BY THE LANDSCAPE ARCHITECT AND/OR OWNER'S REPRESENTATIVE.
11. THE CONTRACTOR SHALL REGULARLY INSPECT THE PERIMETER OF THE PROPERTY TO CLEAN UP AND REMOVE ANY LOOSE CONSTRUCTION DEBRIS BEFORE IT LEAVES THE SITE. ALL DEMOLITION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE SITE TO AN APPROVED DUMP SITE. ALL TRUCKS LEAVING THE SITE SHALL BE COVERED.
12. CONCRETE TRUCKS SHALL NOT BE WASHED ONSITE. ANY CEMENT OR CONCRETE DEBRIS LEFT IN THE DISTURBED AREA SHALL BE REMOVED BY HAND AT THE CONTRACTOR'S EXPENSE.
13. IF ANY DEVIATION OR ALTERATION OF THE WORK PROPOSED ON THESE DRAWINGS IS REQUIRED, THE CONTRACTOR IS TO IMMEDIATELY CONTACT AND COORDINATE WITH THE LANDSCAPE ARCHITECT AND THE OWNER'S REPRESENTATIVE.
14. AT THE END OF CONSTRUCTION, THE CONTRACTOR SHALL REMOVE ALL CONSTRUCTION DEBRIS AND SURPLUS MATERIAL FROM THE SITE. A THOROUGH INSPECTION OF THE WORK PERIMETER IS TO BE MADE AND ALL DISCARDED MATERIALS, BLOWN OR WATER CARRIED DEBRIS, SHALL BE COLLECTED AND REMOVED FROM THE SITE.
15. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SITE FOR THE SAFETY OF THE GENERAL PUBLIC AND TO PROTECT PROPERTY AGAINST VANDALISM AND THEFT.
16. THE CONTRACTOR MUST OBTAIN ALL REQUIRED CITY, STATE AND FEDERAL PERMITS.
17. THE PROVIDENCE PARKS DEPARTMENT ASSUMES NO RESPONSIBILITY IF THE WORK IS NOT INSTALLED AS PER THE PLANS OR IF FIELD CHANGES ARE MADE WITHOUT THE KNOWLEDGE AND APPROVAL OF THE OWNER'S REPRESENTATIVE.

LAYOUT NOTES

1. ALL LINES AND DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE INDICATED.
2. STORAGE AREAS FOR CONTRACTOR'S EQUIPMENT AND MATERIALS SHALL BE ON AND WITHIN LIMITS OF WORK AS SHOWN ON THE PLANS AND AS APPROVED BY THE OWNER'S REPRESENTATIVE.
3. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES IN THE PLAN TO THE OWNER'S REPRESENTATIVE PRIOR TO STARTING WORK.
4. ALL LAYOUTS FOR WALKS AND PATHS SHALL BE ADEQUATELY STAKED BY THE CONTRACTOR AND APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
5. ALL PLACEMENT OF SITE FURNISHINGS, BOULDERS, PLAY STRUCTURES AND OUTDOOR FITNESS EQUIPMENT TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

PLANTING NOTES

1. ALL NEW PLANT MATERIALS SHALL CONFORM TO THE MINIMUM GUIDELINES ESTABLISHED FOR NURSERY STOCK PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC. IN ADDITION, ALL NEW PLANT MATERIAL FOR THE PROJECT SHALL BE OF SPECIMEN QUALITY.
2. ALL NEW PLANTS TO BE BALLED AND BURLAPPED OR CONTAINER GROWN, UNLESS OTHERWISE NOTED ON THE PLANT LIST.
3. THE CONTRACTOR SHALL SUPPLY ALL NEW PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON THE DRAWINGS.
4. ANY PROPOSED SUBSTITUTIONS OF PLANT SPECIES SHALL BE MADE WITH PLANTS OF EQUIVALENT OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER, LEAF, COLOR, FRUIT AND CULTURE, AND ONLY AFTER WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT.
5. ALL NEW PLANTS SHALL BE TAGGED AND APPROVED BY THE LANDSCAPE ARCHITECT AT THE NURSERY PRIOR TO DIGGING OR DELIVERY TO THE SITE.
6. CONTRACTOR SHALL LOCATE AND VERIFY ALL EXISTING UTILITY LINES PRIOR TO PLANTING AND SHALL REPORT ANY CONFLICTS TO THE LANDSCAPE ARCHITECT.
7. STAKE LOCATIONS OF ALL PROPOSED PLANTING FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO THE COMMENCEMENT OF PLANTING. INDIVIDUAL STAKES SHALL BE PLACED FOR TREES AND SHRUBS. EDGE OF PLANTING BEDS SHALL BE PAINTED. NOTIFY LANDSCAPE ARCHITECT 24 HOURS PRIOR TO DESIRED APPROVAL.
8. ALL NEW PLANTS SHALL BE SUPPLIED AND INSTALLED DURING THE PERIODS OF APRIL 1 - JUNE 15 AND/OR SEPTEMBER 1 - NOVEMBER 15 PER SPECIFICATIONS.
9. PREPARE ALL INDIVIDUAL TREE PITS AND SHRUB PLANTING BEDS TO A MINIMUM DEPTH OF EIGHTEEN INCHES (18") WITH SPECIFIED PLANTING MIX: 50% SCREENED TOPSOIL, 40% EXISTING SOIL AND 10% COMPOST. BLEND COMPOST INTO TOP 4" OF SOIL. PLANTING MIX SHALL BE FREE OF LUMPS, STONES, PLANTS, ROOTS, AND OTHER FOREIGN MATTER.
10. ALL SHRUB BEDS AND INDIVIDUAL TREE PITS SHALL RECEIVE THREE (3) INCHES OF BARK MULCH PER SPECIFICATIONS. PERENNIAL AND GROUNDCOVER BEDS SHALL RECEIVE TWO INCHES (2"). PROVIDE LANDSCAPE ARCHITECT WITH SAMPLE FOR APPROVAL.
11. ALL BURLAP, TWINE AND WIRE SHALL BE COMPLETELY REMOVED OR CUT AWAY AT TIME OF INSTALLATION.
12. PRUNE TREES IN ACCORDANCE WITH THE SPECIFICATIONS.
13. PLANT WARRANTY SHALL BE FOR ONE FULL GROWING SEASON FROM THE TIME OF SUBSTANTIAL COMPLETION.
14. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ALL DAMAGED, STOLEN, DEAD, DECLINING OR LOST MATERIAL UNTIL COMPLETION OF MAINTENANCE PERIODS OR GUARANTEE PERIODS.
15. IF NO IRRIGATION SYSTEM IS PLANNED, AN APPROPRIATE WATERING SCHEDULE SHALL BE ESTABLISHED BY THE LANDSCAPE CONTRACTOR FOR ALL PLANT MATERIAL BASED UPON PLANT SPECIES REQUIREMENTS AND PROVIDED IN WRITING TO THE LANDSCAPE ARCHITECT AND OWNER FOR REVIEW AND APPROVAL. THE APPROVED SCHEDULE SHOULD BE FOLLOWED UNTIL COMPLETION OF PLANT MAINTENANCE PERIODS OR WARRANTY PERIODS.
16. ALL VEGETATION AND DEBRIS SHALL BE REMOVED FROM PROPOSED PLANTING AREAS PRIOR TO PLANTING AND BACKFILLING. CONTRACTOR SHALL REMOVE ALL WEEDS AND DEBRIS FROM SITE AS WORK PROGRESSES AND UNTIL COMPLETION OF PLANT MAINTENANCE PERIODS OR WARRANTY PERIODS.
17. ALL AREAS TO BE SEEDED OR SODDED SHALL RECEIVE SIX INCHES (6") OF LOAM, MEASURED AFTER INSTALLATION, PRIOR TO SEEDING.
18. ALL EXISTING LAWN AREAS DESIGNED TO REMAIN SHALL BE AERATED, FERTILIZED AND OVERSEEDED, AS DIRECTED BY THE LANDSCAPE ARCHITECT.
19. IN ADDITION TO LOCATIONS DEFINED FOR SEED ON THE PLANTING PLAN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEEDING ANY DISTURBED AREAS.
20. A DETAILED PLANT MAINTENANCE MANUAL SHALL BE ESTABLISHED BY THE LANDSCAPE CONTRACTOR FOR ALL PLANT MATERIAL BASED UPON PLANT SPECIES REQUIREMENTS AND PROVIDED IN WRITING TO THE LANDSCAPE ARCHITECT AND OWNER FOR REVIEW AND APPROVAL. INFORMATION THEREIN SHALL INCLUDE REQUIRED PRUNING SCHEDULE, FERTILIZING AND PROPOSED INTEGRATED PEST MANAGEMENT (IPM) AS NECESSARY. THE APPROVED MAINTENANCE SHOULD BE FOLLOWED UNTIL COMPLETION OF PLANT MAINTENANCE PERIODS OR WARRANTY PERIODS.
21. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING CLOSE COORDINATION WITH OWNER, GENERAL CONTRACTOR, RELATED SUBCONTRACTORS, LANDSCAPE ARCHITECT, AND ALL SITE WORK RELATED ITEMS.

PROVIDENCE PARKS DEPARTMENT
DALRYMPLE BOATHOUSE
ROGER WILLIAMS PARK
PROVIDENCE, RI 02905

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STAMP

PROJECT:

Re-Bid Site Improvements at Gano St Park
87 Fremont St
Providence, RI 02906

REVISIONS:

Date	Issued For:

NORTH ARROW

SCALE

DRAWING INFO

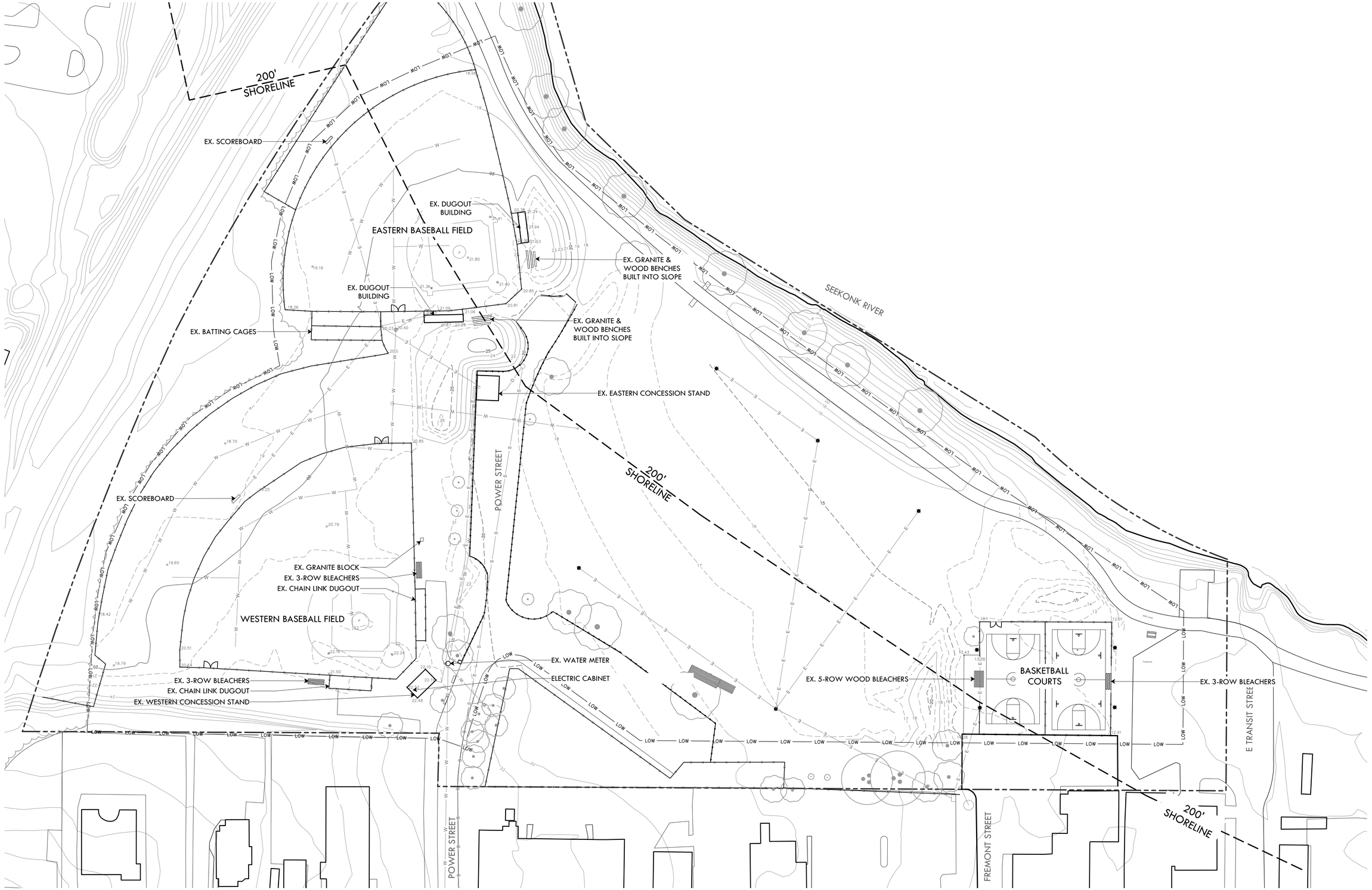
DATE ISSUED: **01/16/25**
PROJECT NO: **GSPK.24.01**
DRAWN BY: **SH, II**
CHECKED BY: **MG**

SHEET TITLE

Cover Sheet

L-1

FILE: GSPK.24.01 - REBID.dwg



EXISTING CONDITIONS LEGEND

- LOW — LOW — LIMIT OF WORK (BASE BID)
- PROPERTY LINE
- E — E — EXISTING ELECTRIC
- EXISTING ATHLETIC FIELD LIGHTING
- EXISTING CHAIN LINK (CL) FENCE
- 97.96 EXISTING GRADE
- 98 EXISTING CONTOUR
- S — S — EXISTING SEWER
- W — W — EXISTING WATER

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SCALE
0 20 40' 80'
SCALE: 1"=40'

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SHEET TITLE
Existing Conditions Plan
L-2
2 OF 19

FILE: GSPK.24.01 - REBID.dwg

ADD ALT #9:
R&D CHAIN LINK FENCE AND POSTS TO LIMITS SHOWN. STOCKPILE GATES AND HINGES FOR DELIVERY TO PARKS DEPARTMENT.
BASE BID: NO WORK

ADD ALT #9:
R&D BATTING CAGES (ALL FENCING & POSTS). R&S NETTING.
BASE BID: NO WORK

ADD ALT #9:
R&D CONNECTING FENCE AND POSTS TO LIMITS SHOWN, TYP.
BASE BID: NO WORK

F&I SILT SOCK, TYP.

R&D SCOREBOARD, POSTS, AND FOOTINGS

R&D CHAIN LINK FENCE AND POSTS. STOCKPILE GATES AND HINGES FOR DELIVERY TO PARKS DEPARTMENT.

R&D (3) WOOD POSTS

R&S BLEACHERS

R&D ASPHALT WALKWAY. REMOVE WITH HAND TOOLS AT BASE OF TREES TO PREVENT TREE INJURY.

R&D DUGOUT

R&D DUGOUT D L-2

ADD ALT #4:
EXCAVATE & R&D SURFACE MATERIAL TO 12".
BASE BID: NO WORK

ADD ALT #4:
R&D VEHICULAR BARRIER GATE.
BASE BID: NO WORK

ADD ALT #4:
R&D GUARD RAIL TO LIMITS SHOWN.
BASE BID: NO WORK

R&S GRANITE BLOCK

R&S BLEACHERS

R&D WATER METER

R&S (2) GRANITE CURBS

ADD ALT #2:
R&D ASPHALT ROADWAY
BASE BID: NO WORK

ADD ALT #6:
R&D (1) PICNIC TABLE.
BASE BID: NO WORK

R&D ASPHALT, GRAVEL BASE TO REMAIN

ADD ALT #12:
R&D POSTS, BACKBOARDS, & HOOPS, TYP.
BASE BID: R&D BACKBOARDS & HOOPS, TYP.

ADD ALT #7:
R&D 5-ROW BLEACHER
BASE BID: R&S 5-ROW BLEACHER

R&S 4-ROW BLEACHER

200' SHORELINE

SEEKONK RIVER

POWER STREET

FREMONT STREET

E TRANSIT STREET

D EXISTING DUGOUT BUILDING
EASTERN BASEBALL FIELD

DEMOLITION LEGEND

- LIMIT OF WORK
- SILT SOCK (3 / L-8)
- TREE PROTECTION FENCE (4 / L-8)
- SAWCUT (5 / L-8)
- R&D REMOVE & DISPOSE
- R&S REMOVE & STOCKPILE
- EXISTING FENCE TO REMAIN
- FENCE & POSTS TO BE REMOVED
- R&D EX. ASPHALT AND GRAVEL BASE
- R&D EX. ASPHALT, GRAVEL BASE TO REMAIN
- STRIP TURF & TOPSOIL TO 6" DEPTH
- LIMIT OF FENCE REMOVAL

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NORTH ARROW

SCALE
0 20 40' 80'
SCALE: 1"=40'

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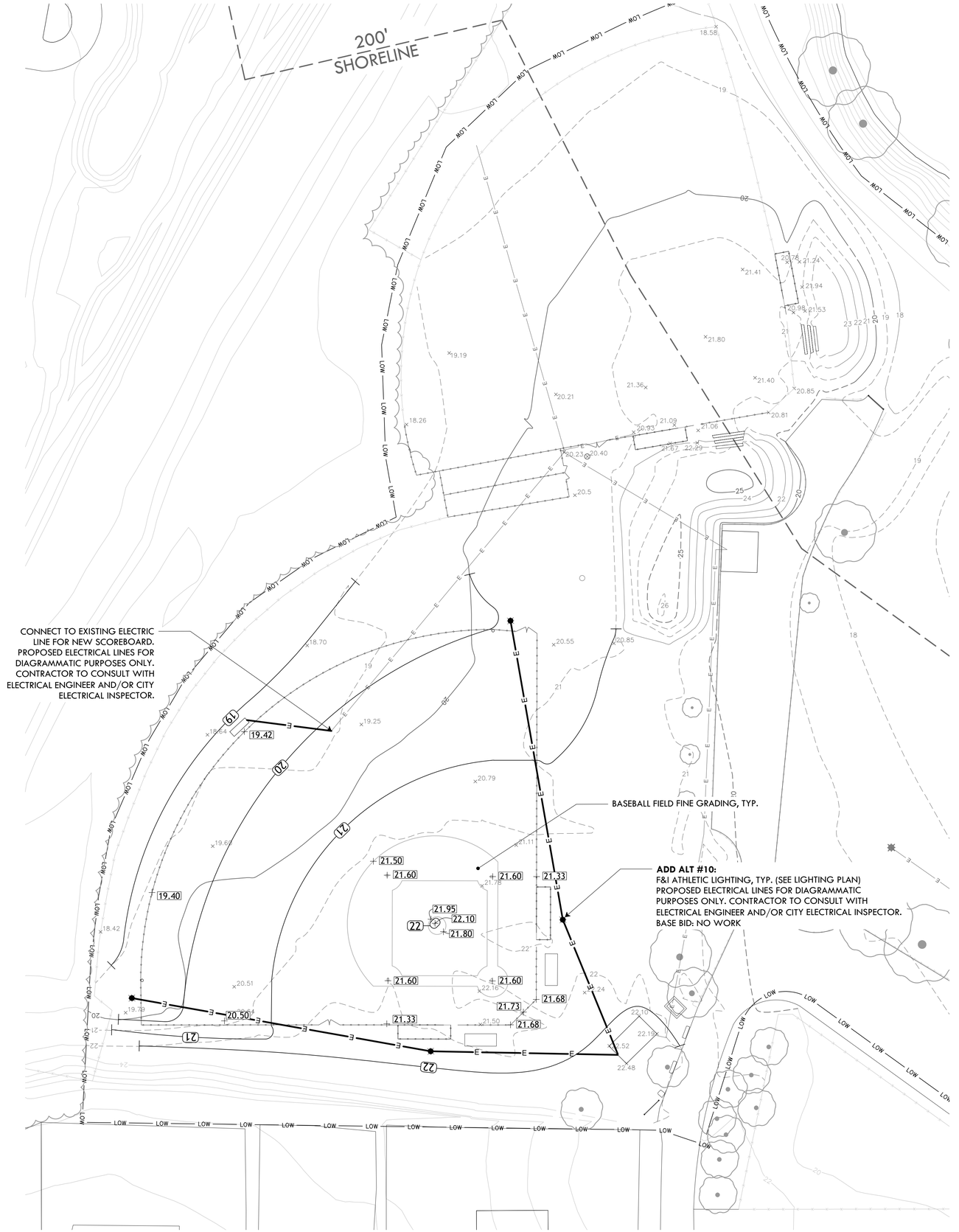
SHEET TITLE
Demolition Plan

L-3
3 OF 19

FILE: GSPK.24.01 - REBID.dwg



GRADING & UTILITY LEGEND

97.96	EXISTING GRADE	E	PROPOSED ELECTRICAL LINES
97.83	PROPOSED GRADE	E	EXISTING ELECTRICAL LINES
98	EXISTING CONTOUR		
99	PROPOSED CONTOUR		

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NORTH ARROW

SCALE

0 15' 30' 60'

SCALE: 1"=30'

DRAWING INFO

DATE ISSUED: **01/16/25**
PROJECT NO: **GSPK.24.01**
DRAWN BY: **SH, II**
CHECKED BY: **MG**

SHEET TITLE

Grading & Utility Plan

L-4

4 OF 19

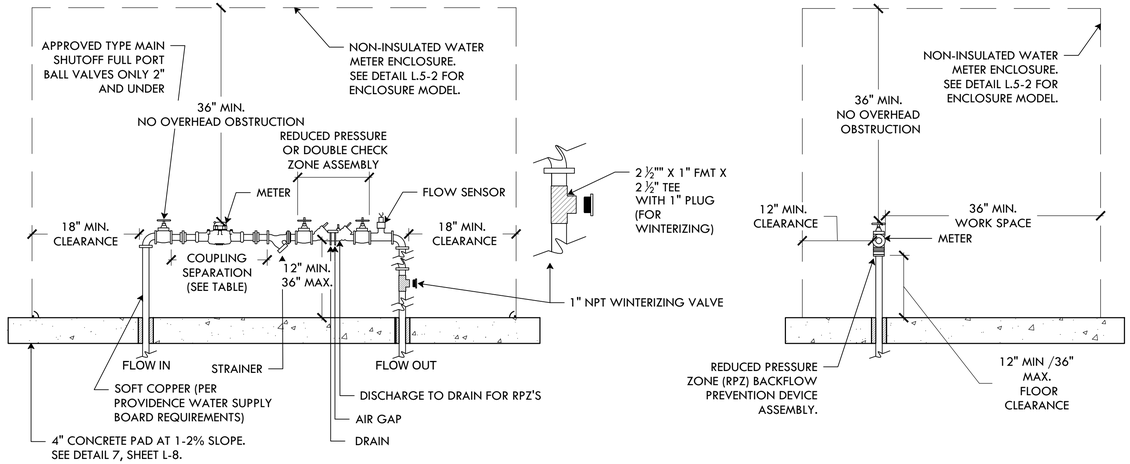
FILE: GSPK-24.01 - REBID.dwg

NOTES:

METER AND BACK FLOW MUST BE ACCESSIBLE AT ALL TIMES.

CONTRACTOR SHALL CARRY ALL COST FOR FEES AND CHARGES BY PROVIDENCE WATER SUPPLY BOARD.

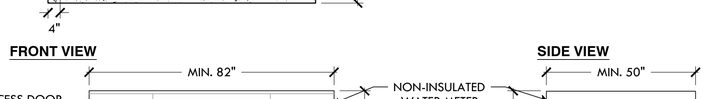
COST ASSOCIATED WITH TRAFFIC CONTROL SHALL BE PAID FOR BY THE CONTRACTOR.



1 WATER METER

NTS

TOP VIEW



NOTES:

PROVIDE SHOP DRAWINGS OF DESIGN & INSTALLATION WITH FINAL DIMENSIONS (PER SPECIFICATIONS) FOR APPROVAL

FRONT VIEW

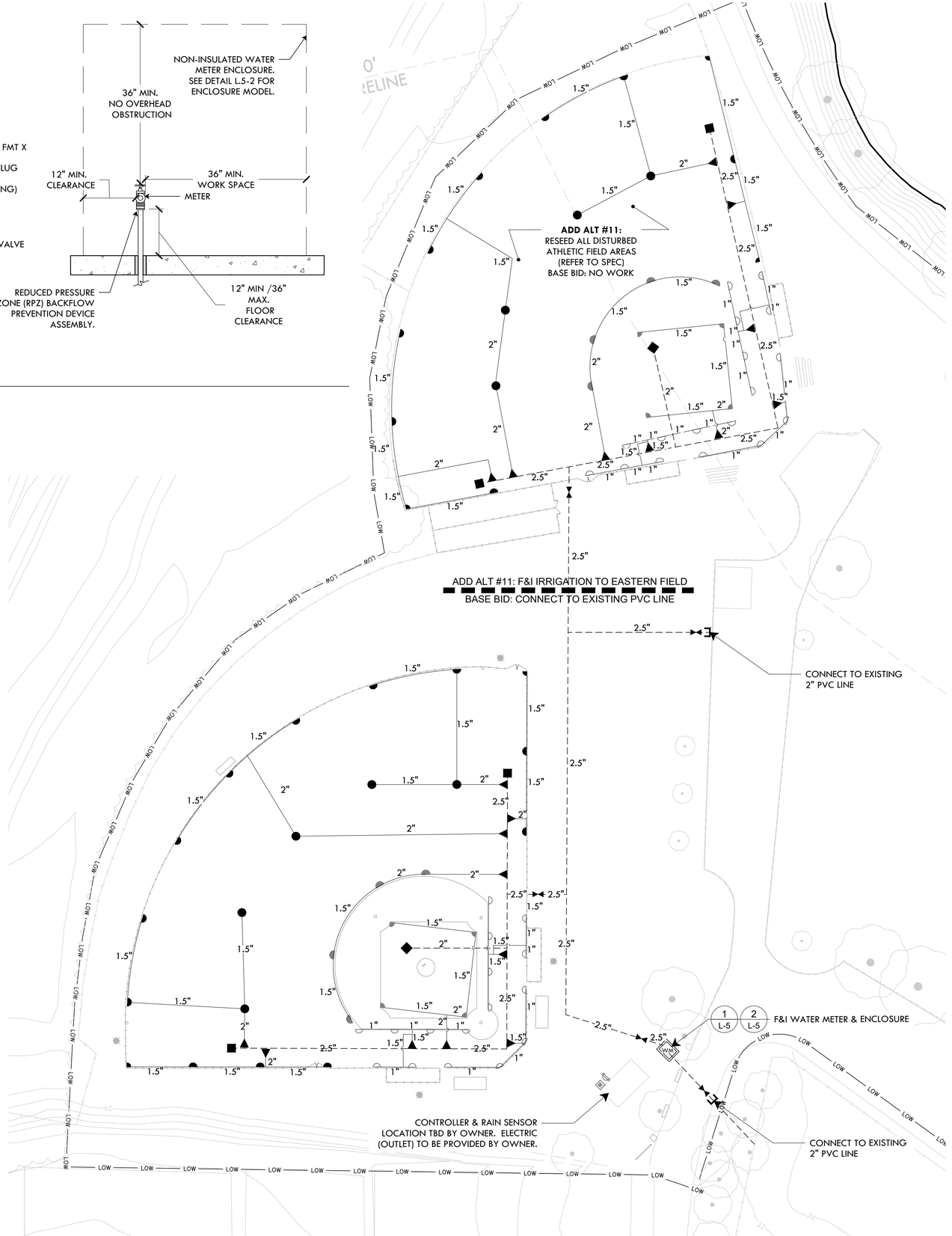
SIDE VIEW

2 WATER METER ENCLOSURE

NTS

IRRIGATION LEGEND

R	RAIN SENSOR	31 L-12	RAINBIRD (EXTERIOR) CONTROLLER	33 L-12
	HUNTER **I-25** ROTOR	34 L-12	IRRIGATION MAIN LINE, SIZED AS SHOWN	36 L-12 / 37 L-12
	HUNTER **I-25 SS** ROTOR	34 L-12	IRRIGATION LATERAL LINE, SIZED AS SHOWN	36 L-12 / 37 L-12
	HUNTER **I-20** ROTOR	34 L-12	2-1/2" ISOLATION BACK VALVE	
	RAINBIRD QUICK COUPLING VALVE IN 10" BOX	35 L-12	1-1/2" RAINBIRD PGA VALVE	32 L-12



PROVIDENCE PARKS DEPARTMENT
DALRYMPLE BOATHOUSE
ROGER WILLIAMS PARK
PROVIDENCE, RI 02905

STAMP

PROJECT:

Re-Bid Site Improvements at Gano St Park
87 Fremont St
Providence, RI 02906

REVISIONS:

Date	Issued For:

NORTH ARROW

SCALE

0 15' 30' 60'

SCALE: 1"=30'

DRAWING INFO

DATE ISSUED: **01/16/25**
PROJECT NO: **GSPK.24.01**
DRAWN BY: **SH, II**
CHECKED BY: **MG**

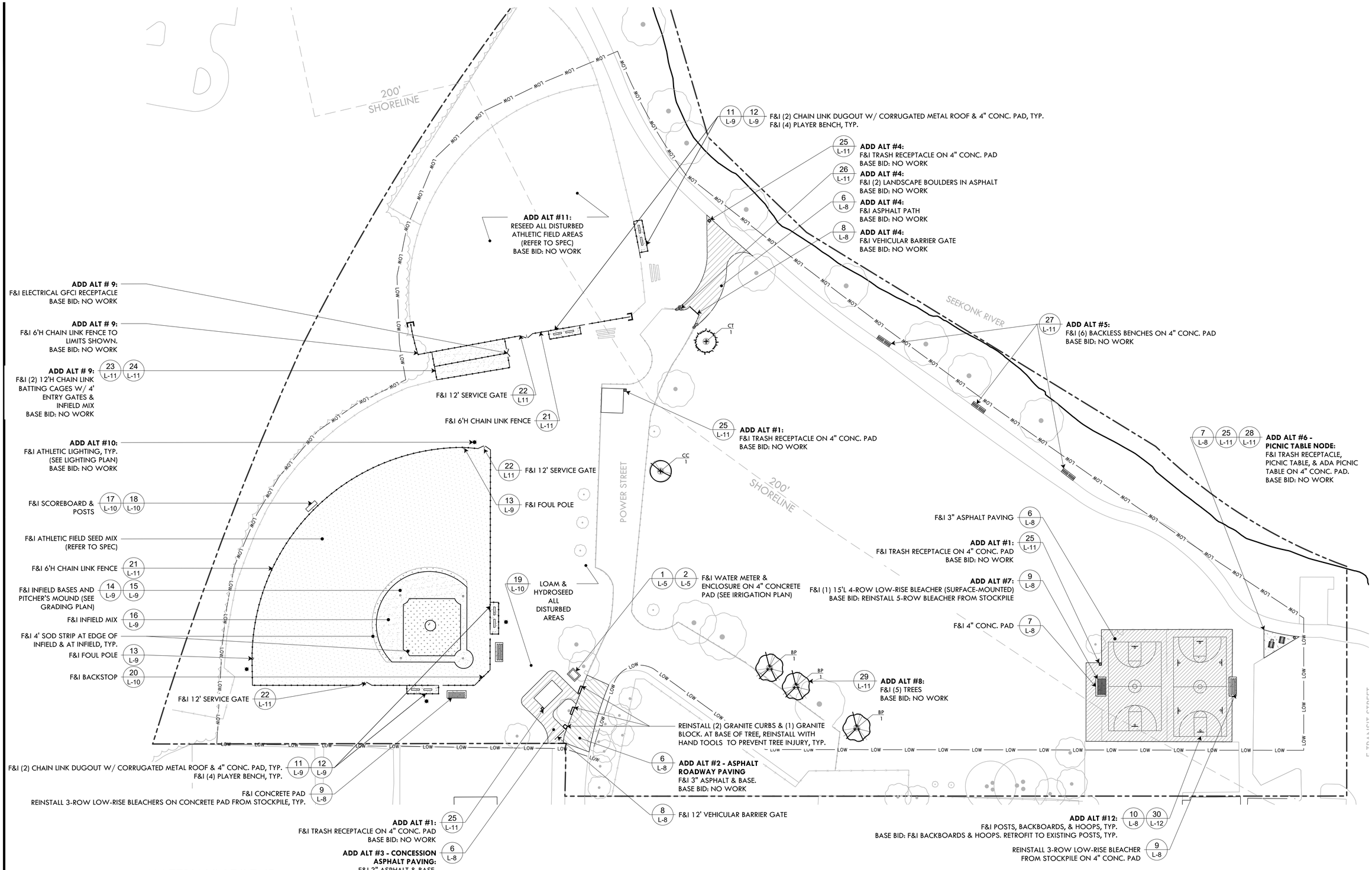
SHEET TITLE

Irrigation Plan

L-5

5 OF 19

FILE: GSPK-24.01 - REBID.dwg



MATERIALS LEGEND

	4" POURED CONCRETE PAD		ATHLETIC FIELD SEED MIX
	3" ASPHALT PAVING		4" CLAY INFIELD MIX
(NO HATCH)	LOAM & HYDROSEED ALL DISTURBED AREAS		SOD
F&I	FURNISH & INSTALL	✸	ATHLETIC LIGHTING (REFER TO ENGINEERING PLAN

ADD ALT #8: PLANTING LEGEND & TREE SCHEDULE

6' DIAMETER MULCH RING AROUND TREE

KEY	QTY	BOTANICAL NAME / Common Name	SIZE	NOTES
BN	3	*Betula populifolia 'Whitespire'* Grey Birch	12-14'	CLUMP
CC	1	*Carpinus caroliniana* American Hornbeam	2.5-3" Cal	2.5" MIN.
CT	1	*Chamaecyparis thyoides* Atlantic White Cedar	10-12' H	

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PROVIDENCE, RI 02905

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PROJECT:

Re-Bid Site Improvements at Gano St Park
87 Fremont St
Providence, RI 02906

REVISIONS:

Date	Issued For:

NORTH ARROW

N

SCALE

0 10' 40' 80'

SCALE: 1"=40'

DRAWING INFO

DATE ISSUED: **01/16/25**
PROJECT NO: **GSPK.24.01**
DRAWN BY: **SH, II**
CHECKED BY: **MG**

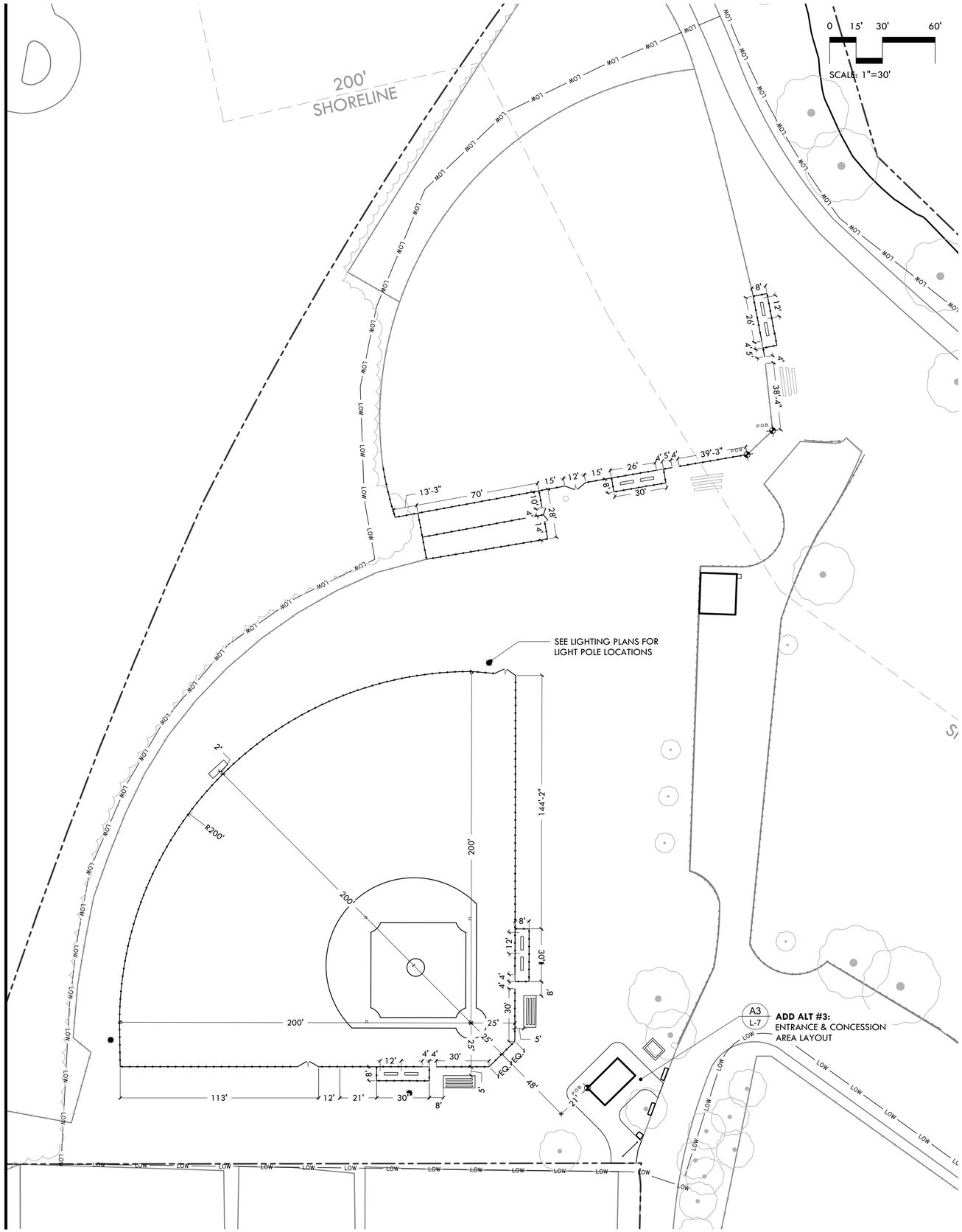
SHEET TITLE

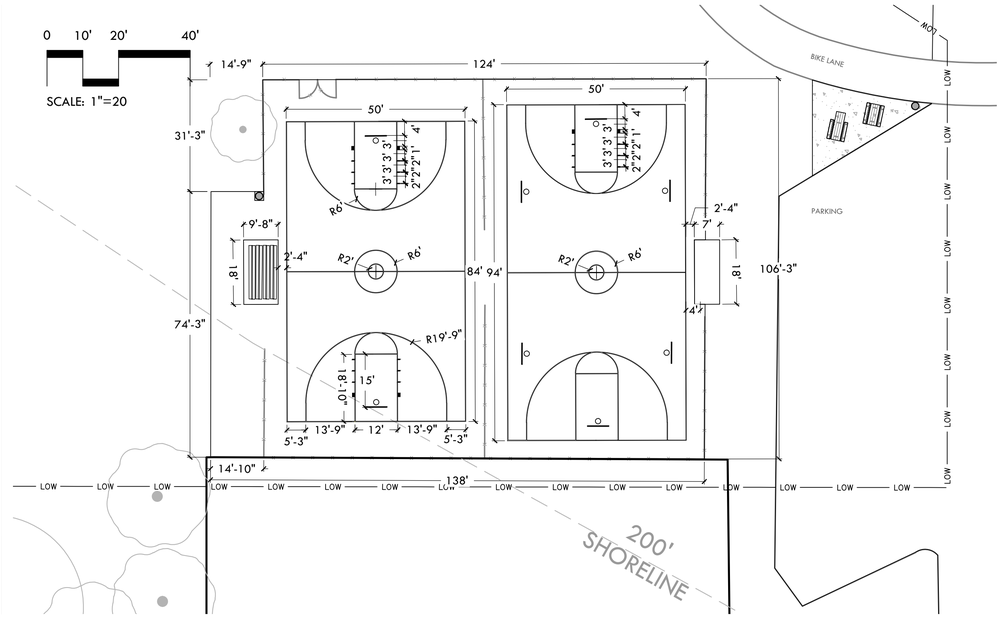
Materials Plan

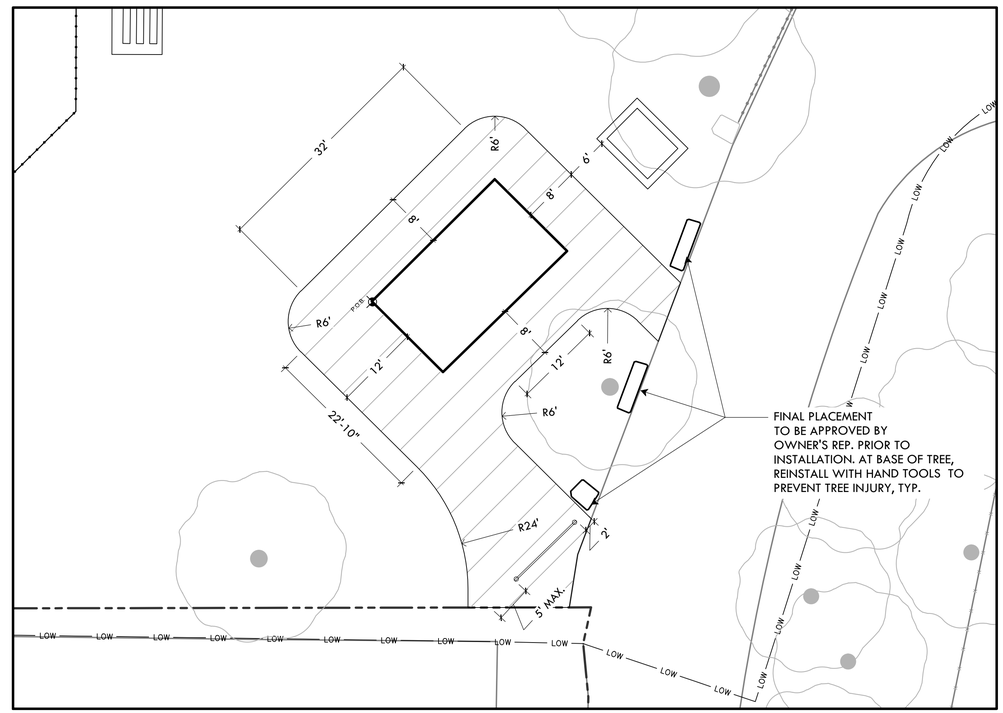
L-6

6 OF 19

FILE: GSPK.24.01 - REBID.dwg







A3 ADD ALT #3: ENTRANCE & CONCESSION AREA LAYOUT

SCALE: 1"=10'

LAYOUT LEGEND

- P.O.B. — POINT OF BEGINNING
- CENTERLINE
- X' — DIMENSION

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87 Fremont St
Providence, RI 02906

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NORTH ARROW

N

SCALE

DRAWING INFO

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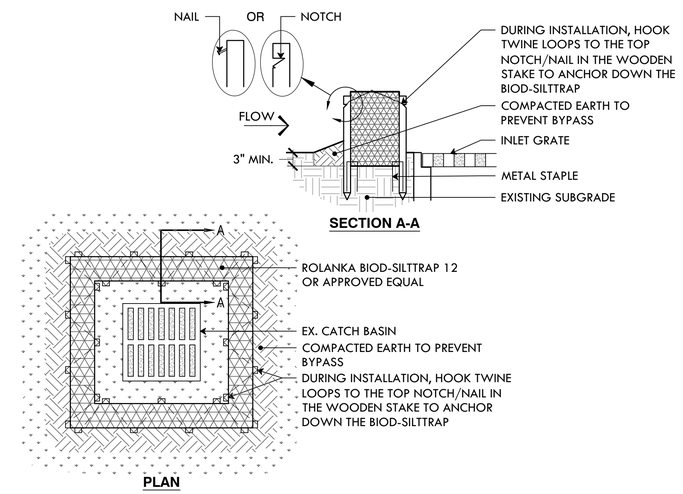
DRAWN BY: **SH, II**
CHECKED BY: **MG**

SHEET TITLE

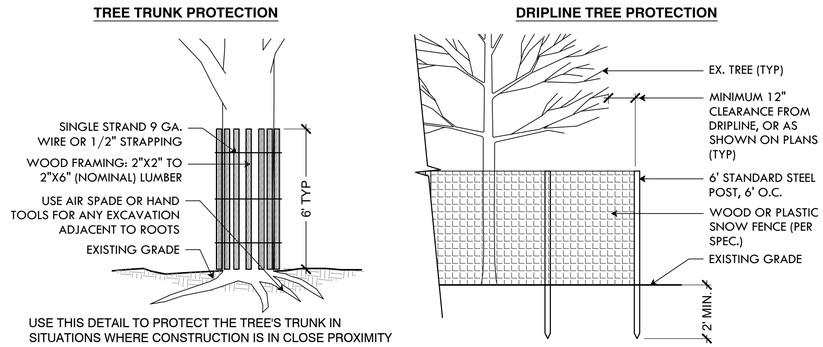
Layout Plan

L-7

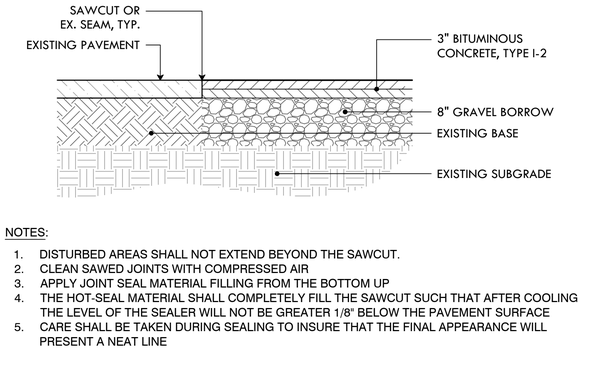
FILE: GSPK.24.01 - REBID.dwg



3 SILT SOCK/COMPOST FILTER SOCK EROSION CONTROL
NTS



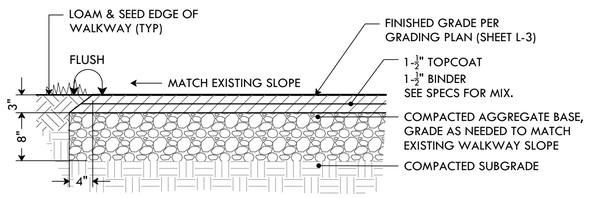
4 TREE PROTECTION DEVICES
NTS



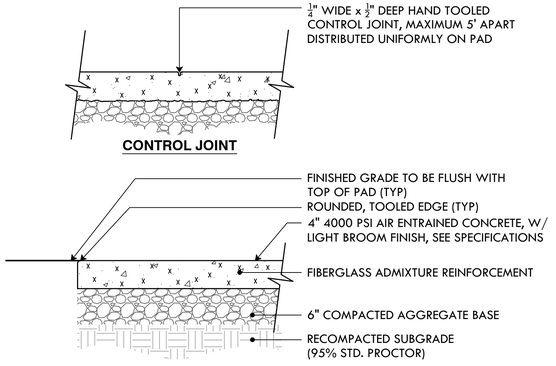
NOTES:

1. DISTURBED AREAS SHALL NOT EXTEND BEYOND THE SAWCUT.
2. CLEAN SAWED JOINTS WITH COMPRESSED AIR
3. APPLY JOINT SEAL MATERIAL FILLING FROM THE BOTTOM UP
4. THE HOT-SEAL MATERIAL SHALL COMPLETELY FILL THE SAWCUT SUCH THAT AFTER COOLING THE LEVEL OF THE SEALER WILL NOT BE GREATER 1/8" BELOW THE PAVEMENT SURFACE
5. CARE SHALL BE TAKEN DURING SEALING TO INSURE THAT THE FINAL APPEARANCE WILL PRESENT A NEAT LINE

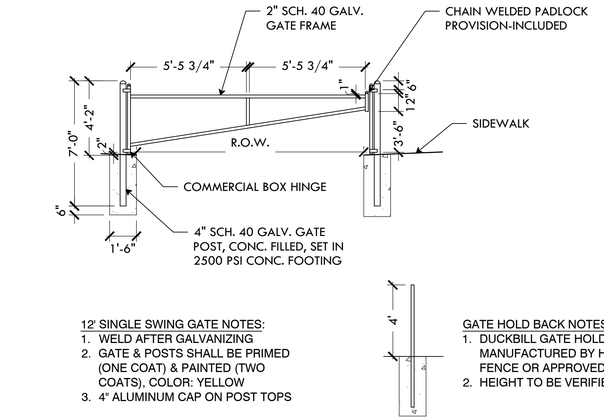
5 ASPHALT SAW CUT
NTS



6 3" ASPHALT PAVEMENT
NTS



7 4" CONCRETE PAD
NTS



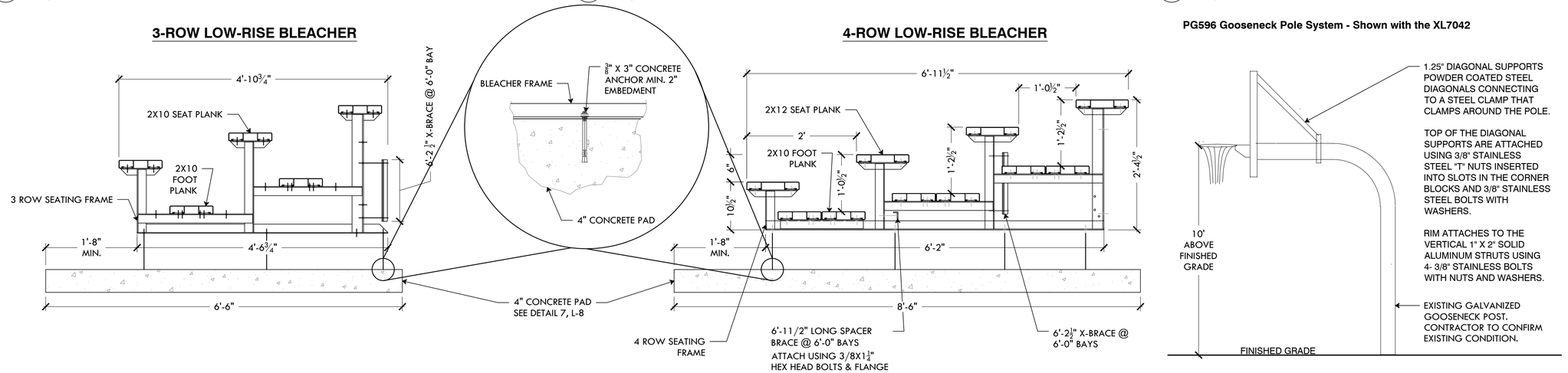
12' SINGLE SWING GATE NOTES:

1. WELD AFTER GALVANIZING
2. GATE & POSTS SHALL BE PRIMED (ONE COAT) & PAINTED (TWO COATS), COLOR: YELLOW
3. 4" ALUMINUM CAP ON POST TOPS

GATE HOLD BACK NOTES:

1. DUCKBILL GATE HOLDBACK AS MANUFACTURED BY HOOVER FENCE OR APPROVED EQUAL
2. HEIGHT TO BE VERIFIED IN FIELD

8 12' VEHICULAR BARRIER GATE
NTS



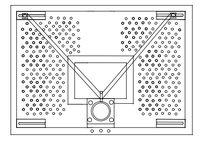
9 15'L LOW-RISE BLEACHER
NTS

PG596 Gooseneck Pole System - Shown with the XL7042

NOTES:

XL7048, XL7043 AND XL7036 ATTACHED TO THE POLE USING 4 3/8" STAINLESS STEEL BOLTS; 2 THROUGH EACH 1" X 2" SOLID ALUMINUM UPRIGHT SUPPORTS (KT000) AT A HEIGHT WHICH PUTS THE RIM AT 10'.

TOP OF THE DIAGONAL SUPPORTS ARE ATTACHED USING 3/8" STAINLESS STEEL "T" NUTS INSERTED INTO SLOTS IN THE CORNER BLOCKS AND 3/8" STAINLESS STEEL BOLTS WITH WASHERS.



10 TRUEBOUNCE BASKETBALL BACKBOARD & RIM
NTS

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DALRYMPLE BOATHOUSE
ROGER WILLIAMS PARK
PROVIDENCE, RI 02905

STAMP

PROJECT:

Re-Bid Site Improvements at Gano St Park
87 Fremont St
Providence, RI 02906

REVISIONS:

Date	Issued For:

NORTH ARROW

SCALE

DRAWING INFO

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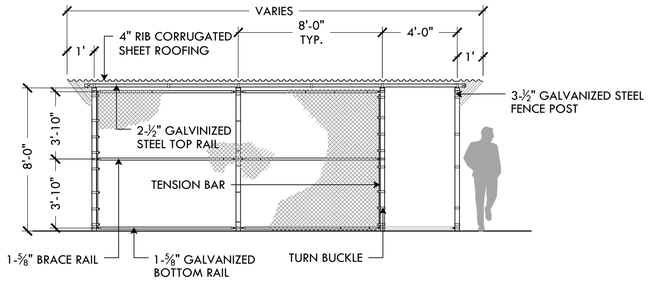
SHEET TITLE

Construction Details 1

L-8

8 OF 19

FILE: GSPK.24.01 - REBID.dwg

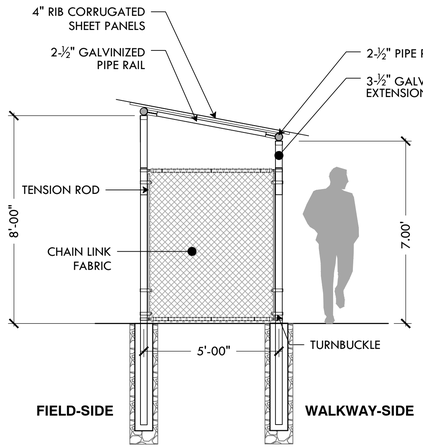


NOTES:

1) FOOTING WIDTH TO BE (4)X POST WIDTH, MINIMUM DEPTH 36".
2) HEIGHT IN FRONT OF THE DUGOUT WILL BE 8' ABOVE GRADE ELEVATION.
3) ALL POSTS, RAILS, BRACES, AND ACCESSORIES SHALL BE GALVINZED STEEL WITH A PROTECTED ZINC COATING.

11 DUGOUT W/ CORRUGATED ROOF

NTS



NOTES:

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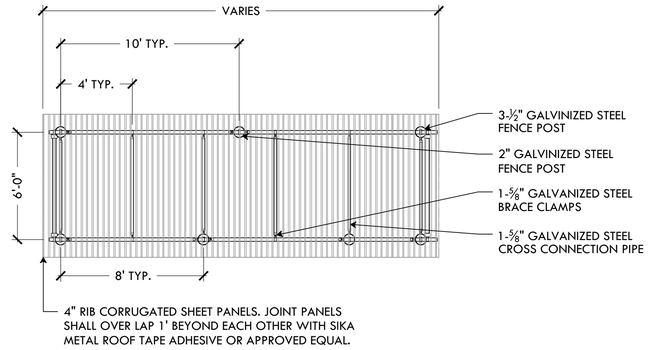

NOTES:

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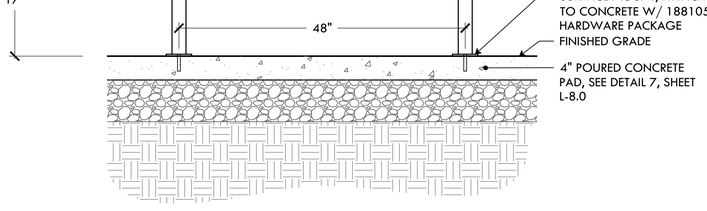
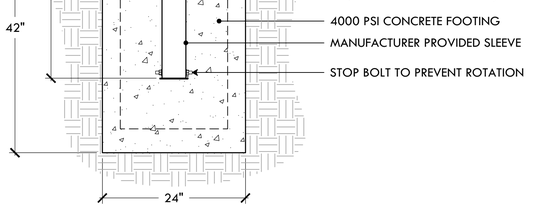
2) ALL POSTS, RAILS, BRACES, AND ACCESSORIES SHALL BE GALVANIZED STEEL WITH A PROTECTED ZINC COATING.



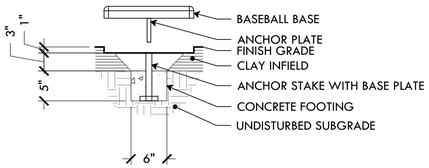
12 DUGOUT BENCH

NTS



13 FOUL POLE FOOTING

NTS

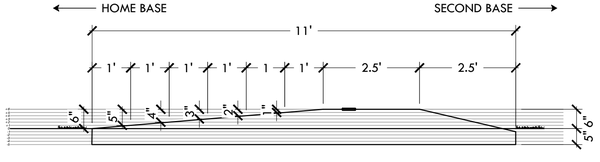


NOTES:

1. DETAIL DOES NOT APPLY TO HOME PLATE.
2. CONCRETE ANCHOR FOOTING SHALL HAVE MIN. 24 HOURS FOR CURING PROCESS PRIOR TO INSTALLING ANCHOR STAKE & BASE.
3. BASEBALL DIAMOND TO BE LEVEL BEFORE EXCAVATING FOOTING LOCATION.
4. EXCAVATE FOOTING LOCATION MIN. DEPTH 9" FROM GROUND LEVEL. TOP EDGE OF THE ANCHOR STAKE SHALL BE MIN 1" BELOW FINISH GRADE LEVEL. ANCHOR STAKE SHALL BE PERPENDICULAR TO LEVEL GROUND.
5. FILL IN THE HOLE BY TAMPING SOIL SOLIDLY AROUND ANCHOR STAKE FOOTING. ALLOW AN AREA THE SIZE OF THE BASE TO BE 1" BELOW THE GROUND LEVEL. POSITION BASE OVER FOOTING, INSTALL INTO PLACE WITH ANCHOR STAKE SLIDING INTO ANCHOR PLATE ON THE BACKSIDE OF BASE. THE TOP OF THE BASE PLATE SHALL BE 2" HIGHER THAN THE LEVEL GRADE.

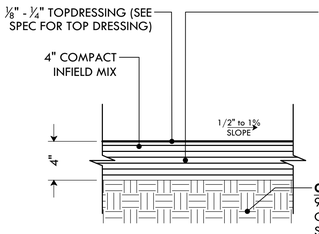
14 BASEBALL BASE PLATE

NTS



15 BASEBALL PITCHER'S MOUND

NTS



INFIELD SKIN SURFACE:

- 4" FINAL COMPACTED DEPTH PLACE PRODUCT IN 2 TO 3" LIFTS
- SCARIFY THE SURFACE BETWEEN LIFTS TO FACILITATE BONDING OF THE NEXT LIFT AND REPEAT UNTIL FINISH GRADE ELEVATION IS ACHIEVED
- ACHIEVE 85% TO 90% COMPACTION BASED ON A STANDARD PROCTOR TEST (ASTM D 689-07)
- ½" TO 1% SLOPE ON FINAL GRADE

COMPACTED SUB-BASE:
90% COMPACTION OR GREATER. IF THAT COMPACTION CANNOT BE ACHIEVED THEN SELECTED GRANULAR FILL MUST BE IMPORTED AND PLACED THAT WILL FULFILL THE COMPACTION REQUIRED.
THE COMPACTION SUB-GRADE SHOULD MIRROR FINISHED GRADE TO ENSURE THAT AN EVEN DEPTH OF MATERIAL HAS BEEN PLACED.

NOTES

1. SAND: 70% TO 75% OF THE TOTAL SAND CONTENT, 50% SHALL BE COMPOSED OF MEDIUM, COARSE, AND VERY COARSE SAND PARTICLES.
2. SILT & CLAY: THE COMBINED AMOUNT OF SILT AND CLAY SHALL BE BETWEEN 25% AND 30%. THE SILT-TO-CLAY RATIO. SHALL BE BETWEEN 0.5 AND 1.0.

16 INFIELD MIX

NTS

PROVIDENCE PARKS DEPARTMENT
DALRYMPLE BOATHOUSE
ROGER WILLIAMS PARK
PROVIDENCE, RI 02905

STAMP

PROJECT:

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87 Fremont St
Providence, RI 02906

REVISIONS:

Date	Issued For:

NORTH ARROW

SCALE

DRAWING INFO

DATE ISSUED: **01/16/25**
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CHECKED BY: **MG**

SHEET TITLE

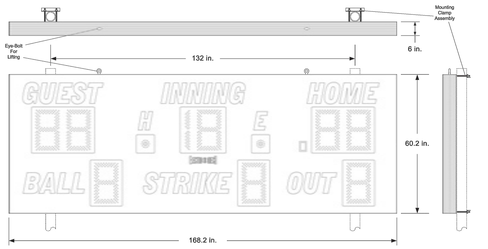
Construction Details 2

L-9

9 OF 19

FILE: GSPK.24.01 - REBID.dwg

Model LX1250 Outdoor LED Baseball Scoreboard — Cutsheet with Mechanical Detail



Cabinet Size, Weight:
14 ft. x 5 ft., 218 lbs.

Electrical Requirements:
1.6 Amps, 120 VAC

Display Sizes:
18 in. tall Home Score
18 in. tall Guest Score
18 in. tall Inning
18 in. tall Ball
18 in. tall Strike
18 in. tall Out
4 in. H/E Indicators

Standard Post Sizes:
2 each, max diameter 4.5 in.

Standard Equipment & Features

- Single cabinet design with heavy duty extruded aluminum framing
- Light weight, rust free, all aluminum construction
- Mounting hardware for permanent installation on two posts without the need for on site fabrication
- Automotive grade baked on enamel based paint applied to the scoreboard face
- Choice of 18 standard paint colors
- Choice of amber or red LED displays
- LED display circuit boards conformal coated for outdoor use
- Simplified 15-key control console
- Junction box and patch cable for hardwired installations
- Five-year limited warranty
- Toll free technical support via phone and online for the life of the product

Optional Equipment & Features

- Electronic Team Names
- ID panels with custom graphics, in a variety of sizes, shapes and styles, to mount above or below the scoreboard
- Extended configurations for ID panels built into the left or right side of the scoreboard cabinet
- Full color video and other electronic display panels
- Stadium Sound System packages
- Custom paint colors
- Team name in place of HOME
- Full-sized 37-key control console with LCD display
- Up to 1,000 feet of data cable for hardwired installations
- ScoreLink wireless RF modem system for wireless communication
- Additional warranty and support plans

TDD/ Rev 2012-Sept.

Electro-Mech Scoreboard Co.
72 Industrial Blvd. • Wrightsville, GA 31096
800-445-7856
www.electro-mech.com

ELECTRO-MECH SCOREBOARD COMPANY

MODEL LX1250
Outdoor
Baseball / Softball

Dimensions	Weight	Cabinet Material	Caption Height	Accent Material
14 ft x 5 ft	218 lb	Aluminum	9 in, 8 in	2.4 mil cast vinyl

Digit Height	Indicator Size	Digit Colors	Electrical
18 in	4 in	Amber or Red	1.6 Amps, 120 VAC

STANDARD EQUIPMENT & FEATURES

- Single cabinet design with heavy duty extruded aluminum framing
- Light weight, rust free, all aluminum construction
- Mounting hardware for permanent installation on two posts without the need for on site fabrication
- Automotive grade baked on enamel based paint applied to the scoreboard face
- Choice of 18 standard paint colors
- Choice of amber or red LED displays
- LED display circuit scoreboards conformal coated for outdoor use
- Simplified 15-key control console
- Junction box and patch cable for hardwired installations
- Five-year limited warranty
- Toll free technical support via phone and online for the life of the product

OPTIONAL EQUIPMENT & UPGRADES

- Electronic Team Names
- ID panels with custom graphics, in a variety of sizes, shapes and styles, to mount above or below the scoreboard
- Extended configurations for ID panels built into the left or right side of the scoreboard cabinet
- Full color video and other electronic display panels
- Stadium Sound System packages
- Custom paint colors
- Team name in place of HOME
- Full-sized 37-key control console with LCD display
- Up to 1,000 feet of data cable for hardwired installations
- ScoreLink Wireless RF modem system for wireless communication
- Additional warranty and support plans

DIGITS / INDICATORS

All digits for this model are 18 inches tall, and indicators are 4 inches in diameter. Digits and indicators are formed from matrices of super-bright, long-lasting, energy-efficient LEDs (Light Emitting Diodes). Choose either amber or red LEDs for all outdoor products. Our LED assemblies are protected by aluminum masks that allow the hard epoxy shells of the LEDs to be exposed for maximum viewing angles.

PAINT COLOR OPTIONS

Rev 2.0.2017.06.08

Electro-Mech
Scoreboard Company
72 Industrial Blvd. • Wrightsville, GA 31096
www.electro-mech.com • 800-445-7846

ELECTRO-MECH SCOREBOARD COMPANY

MM-Series Scoreboard Control Console
Available for the following sports:
Baseball/Softball
Baseball/Football
Football

STANDARD FEATURES

User friendly, feature packed software
- Sport-specific configuration (no codes to enter)
- Simplified layout
- Perfect synchronization with multiple scoreboards
- Support for wired or wireless data transmission
- Flash memory for saving game data during power loss

Attached 6 ft. power cord

Additional Features
- ETL Listed
- Made in the USA

PHYSICAL DESCRIPTION

Membrane Keypad
- 15 dome switches with tactile feedback
- 3M vinyl overlay

ABS Plastic Enclosure
- Desktop configuration
- Flame retardant, high impact plastic
- Painted steel back plate

Dimensions
- Width: 11.5 inches
- Depth: 9 inches
- Height: 5.5 inches
- Weight: 5 pounds

Power Requirements
- Voltage: 120 VAC
- Amperage: 0.5 Amps
- AC Frequency: 60 Hz
- Requires standard grounded power receptacle

Data Input and Output
- One ¼ in. Stereo Cable Data Output Jack
- Optional RJ-45 style Clock Control Input Jack

OTHER INFO

The MM Scoreboard Console was designed for our budget friendly baseball, softball, and football scoreboards and only works on the following models (these can be upgraded at any time to an MP console to support additional features): LX1020, LX1030, LX1050, LX1060, LX1062, LX1064, LX1070, LX1240, LX1241, LX1244, LX1250, LX1260, LX1340, LX1341, LX1360, LX3120, LX3130, LX3140, LX3150.

ELECTRO-MECH SCOREBOARD COMPANY
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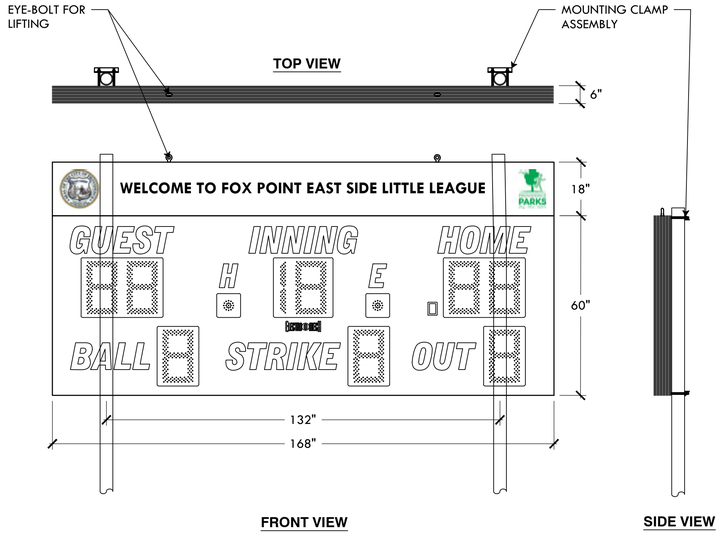
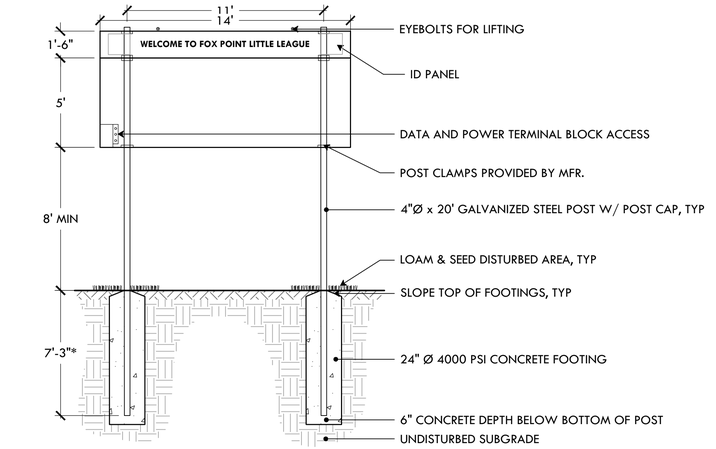
(800)-445-7846
electro-mech.com



INSTALLATION NOTES

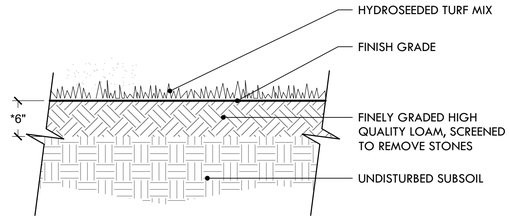
1. THE CONTRACTOR SHALL ASCERTAIN THAT ALL EXISTING ELECTRICAL AND STRUCTURAL CONDITIONS MEET THE REQUIREMENTS OF THE NEW SCOREBOARDS BEFORE COMMENCING WITH INSTALLATION.
2. THE CONTRACTOR SHALL REMOVE & DISPOSE OF EXISTING SCOREBOARDS.
3. THE CONTRACTOR SHALL USE EXISTING CONDUITS AND EXISTING POLES TO WIRE & ATTACH NEW SCOREBOARDS.
4. THE CONTRACTOR TO ENABLE ALL SCOREBOARDS TO FUNCTION INDEPENDENTLY OF EACH OTHER.
5. THE CONTRACTOR SHALL TEST ALL SCOREBOARDS IN COORDINATION WITH PARKS MAINTENANCE DIVISION PRIOR TO CLOSEOUT.

17 14' SCOREBOARD
NTS



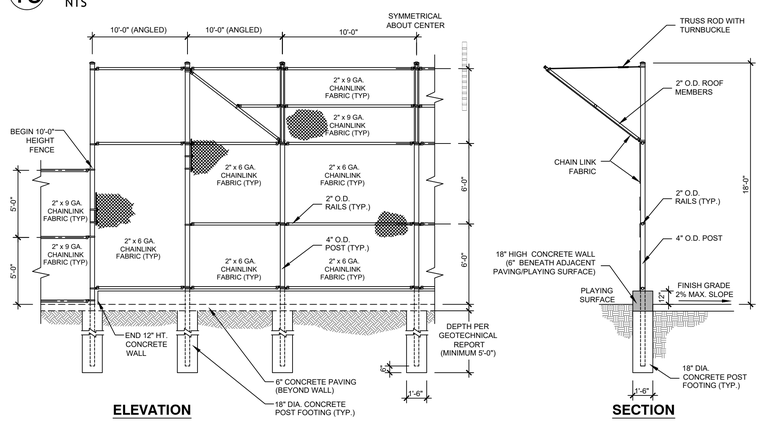
*NOTE: POSTS SET BELOW GRADE TO BE MINIMUM ¾ TOTAL HEIGHT OF POST.
SEE INSTALLATION AND MAINTENANCE MANUAL FOR MORE INFORMATION

18 SCOREBOARD FOOTING
NTS



NOTES:
1. USE A PROCESSED WOOD FIBER MULCH OR WOOD/PAPER BLEND
2. ADD DOLOMITIC LIME AND 18-24-12 STARTER FERTILIZER TO LOAM PRIOR TO HYDROSEEDING
3. *DEPTH OF LOAM MAY BE LESS THAN 6" IN AREAS OF TRANSITION (FEATHERING) TO EXISTING LAWN AND FOR REPAIR TO DISTURBED AREAS.
4. LIGHTLY DISTURBED AREAS TO BE AERATED, TOP-DRESSED W/ LOAM & SLICE-SEEDED.

19 LOAM & HYRDOSEED
NTS



NOTES:
1. UNLESS NOTED OTHERWISE, ALL POSTS AND RAILS TO BE SCHEDULE 40 GALVANIZED.
2. UNLESS NOTED OTHERWISE, ALL FABRIC TO BE GALVANIZED.
3. UNLESS NOTED OTHERWISE, ALL FASTENERS AND CHAIN LINK FENCE ACCESSORY ITEMS TO BE GALVANIZED.
4. NO ALUMINUM TIES SHALL BE PERMITTED.
5. CHAIN LINK FABRIC ON BOTTOM TWO PANELS OF ENTIRE BACKSTOP SHALL BE 6 GAUGE.

20 BACKSTOP
NTS

CITY OF PROVIDENCE

PROVIDENCE PARKS DEPARTMENT
DALRYMPLE BOATHOUSE
ROGER WILLIAMS PARK
PROVIDENCE, RI 02905

PROVIDENCE PARKS
play · relax · explore

STAMP

PROJECT:
Re-Bid Site Improvements at Gano St Park
87 Fremont St
Providence, RI 02906

REVISIONS:

Date	Issued For:

NORTH ARROW

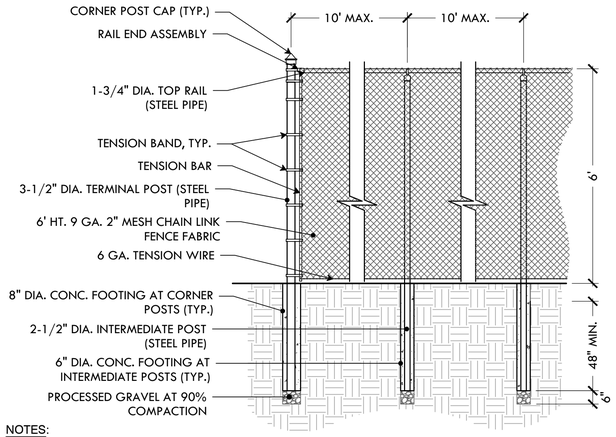
SCALE

DRAWING INFO
DATE ISSUED: **01/16/25**
PROJECT NO: **GSPK.24.01**
DRAWN BY: **SH, II**
CHECKED BY: **MG**

SHEET TITLE
Construction Details 3

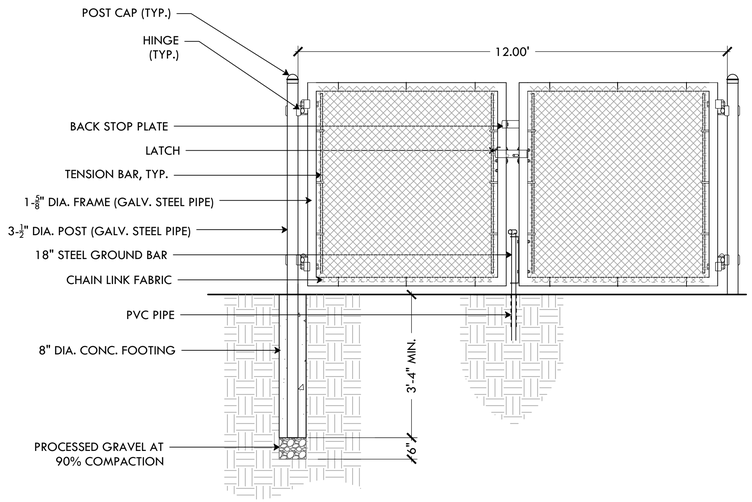
L-10
10 OF 19

FILE: GSPK.24.01 - REBID.dwg

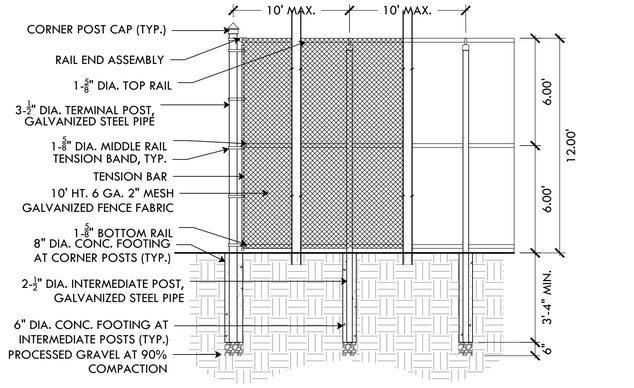


NOTES:
1. FENCING TO BE TIED TO TOP RAILS & LINE POSTS W/ 9GA. WIRE SPACED AT 12"
2. BRACE ALL CORNERS & TERMINAL POSTS W/ 1-3/4" DIA. STEEL PIPE AND APPROPRIATE FASTENERS
3. ALL FENCE ELEMENTS SHALL BE OF STEEL CONSTRUCTION

21 6' HT. CHAIN LINK FENCE
NTS



22 12' WIDE CHAIN LINK SERVICE GATE
NTS

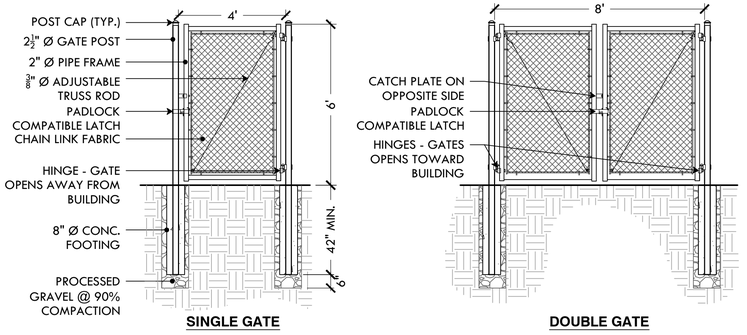


NOTES:

FENCING TO BE TIED TO ALL RAILS & LINE POSTS W/ 9GA. WIRE SPACED AT 12"

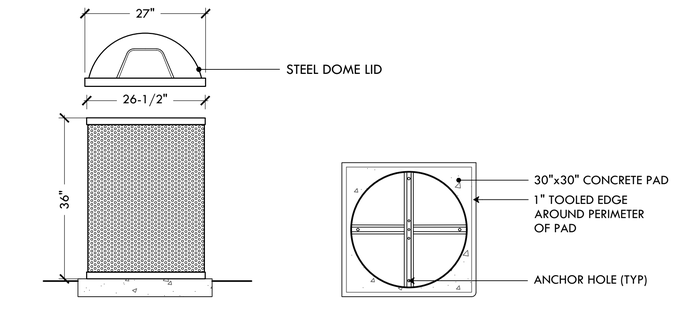
BRACE ALL CORNERS & TERMINAL POSTS W/ 1-3/4" DIA. GALV. STEEL PIPE AND APPROPRIATE FASTENERS

23 12' HT. CHAIN LINK FENCE
NTS



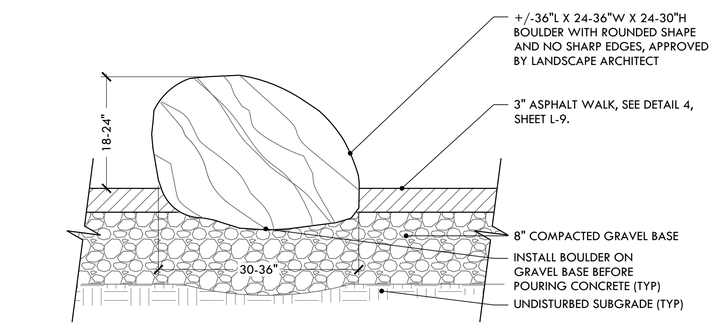
NOTES:
1. FENCING TO BE TIED TO TOP RAILS & LINE POSTS W/ 9GA. WIRE SPACED AT 12"
2. BRACE ALL CORNERS & TERMINAL POSTS W/ 1-3/4" DIA. STEEL PIPE AND APPROPRIATE FASTENERS
3. ALL FENCE ELEMENTS SHALL BE OF STEEL CONSTRUCTION

24 4' WIDE CHAIN LINK GATE
NTS



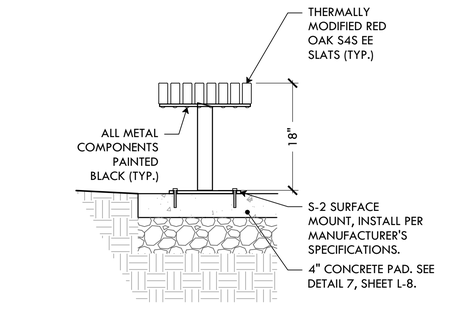
NOTES
1. SEE DETAIL 7, SHEET L-8 FOR CONCRETE PAD.
2. UNIT SHOULD BE SECURED TO CONCRETE PAD USING THE FOUR (4) ANCHOR HOLES.
3. MODEL#: CN-R/R-55: PILOT ROCK 55 GAL. ROUND PERFORATED STEEL TRASH RECEPTACLE. COLOR: BLACK, MATERIAL: STEEL.
   MODEL#: CN-2755: PILOT ROCK 27" O.D. DOME LID. COLOR: BLACK, MATERIAL: STEEL.
   MODEL#: CN/B-1829: PILOT ROCK 55 GAL. 23-5/8" O.D. X 35" HT., HEAVY DUTY RIGID PLASTIC LINER. OR APPROVED EQUAL.

25 ADD ALT #1: 55-GAL TRASH RECEPTACLE
NTS

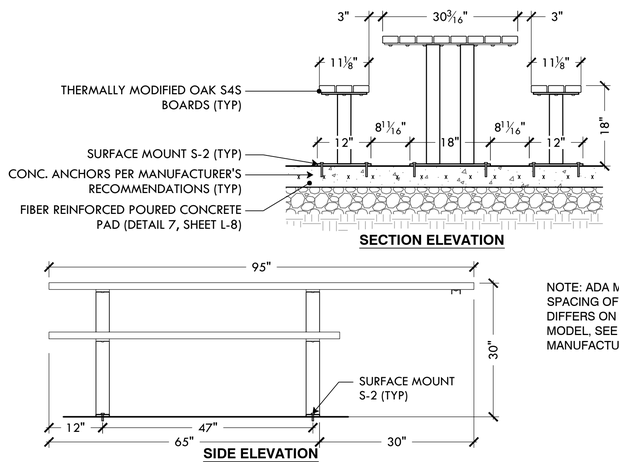


BOULDER QUANTITY: 5

26 ADD ALT #4: LANDSCAPE BOULDERS IN ASPHALT
NTS

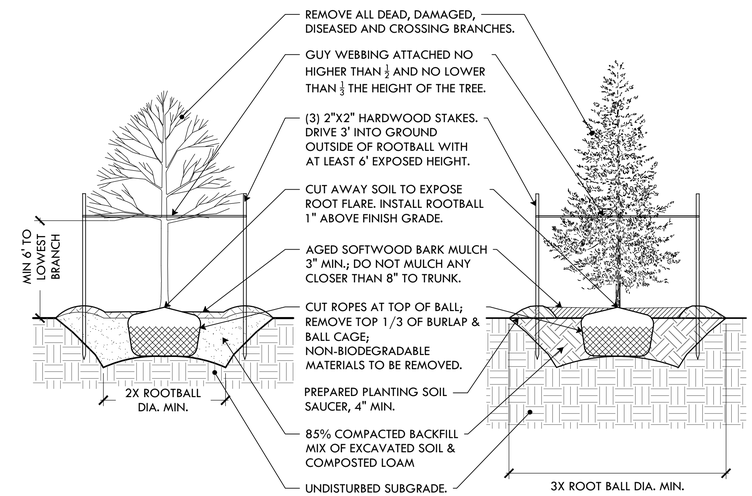


27 ADD ALT #5: 6' BACKLESS BENCH ON CONC. PAD
NTS



NOTE: ADA MODEL SHOWN, SPACING OF BOLTS DIFFERS ON STANDARD MODEL, SEE MANUFACTURER'S DETAIL

28 ADD ALT #6: 6' PICNIC TABLE & 8' ADA PICNIC TABLE ON CONC. PAD
NTS



29 ADD ALT #8: DECIDUOUS & EVERGREEN TREE PLANTING
NTS

PROVIDENCE PARKS DEPARTMENT
DALRYMPLE BOATHOUSE
ROGER WILLIAMS PARK
PROVIDENCE, RI 02905

STAMP

PROJECT:

Re-Bid Site Improvements at Gano St Park
87 Fremont St
Providence, RI 02906

REVISIONS:

Date	Issued For:

NORTH ARROW

SCALE

DRAWING INFO

DATE ISSUED: **01/16/25**
PROJECT NO: **GSPK.24.01**
DRAWN BY: **SH, II**
CHECKED BY: **MG**

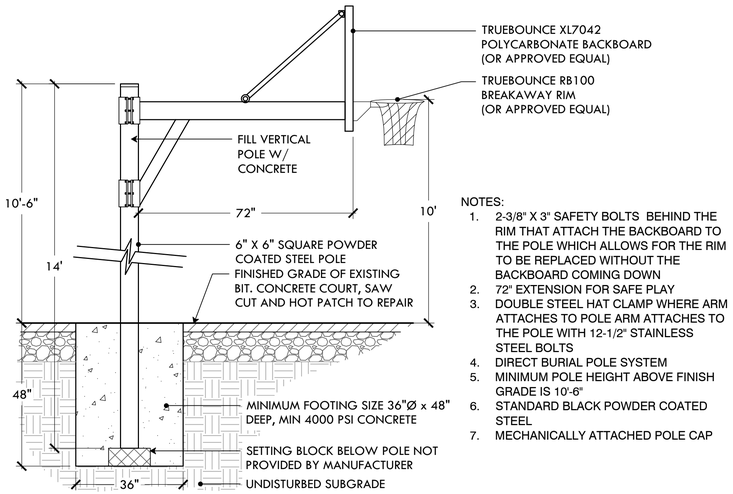
SHEET TITLE

Construction Details 4

L-11

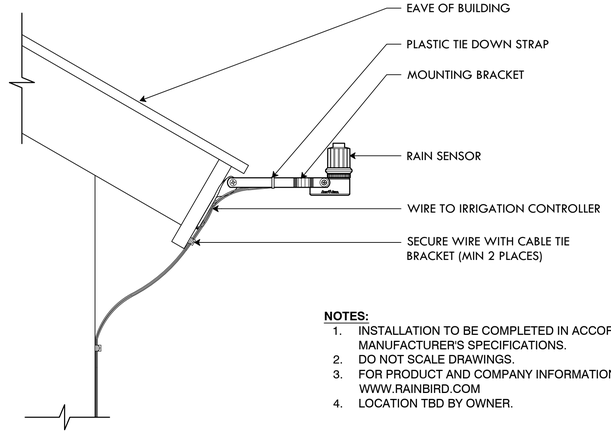
11 OF 19

FILE: GSPK.24.01 - REBID.dwg



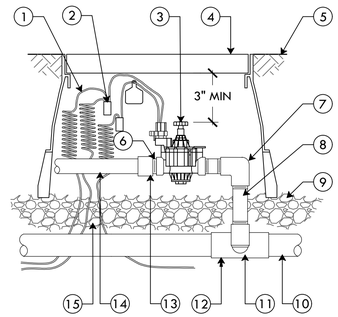
NOTES:
1. 2-3/8" X 3" SAFETY BOLTS BEHIND THE RIM THAT ATTACH THE BACKBOARD TO THE POLE WHICH ALLOWS FOR THE RIM TO BE REPLACED WITHOUT THE BACKBOARD COMING DOWN
2. 72" EXTENSION FOR SAFE PLAY
3. DOUBLE STEEL HAT CLAMP WHERE ARM ATTACHES TO POLE ARM ATTACHES TO THE POLE WITH 12-1/2" STAINLESS STEEL BOLTS
4. DIRECT BURIAL POLE SYSTEM
5. MINIMUM POLE HEIGHT ABOVE FINISH GRADE IS 10'-6"
6. STANDARD BLACK POWDER COATED STEEL
7. MECHANICALLY ATTACHED POLE CAP

30 ADD ALT #12: TRUEBOUNCE BASKETBALL POST, BACKBOARD, & RIM
NTS



NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWINGS.
3. FOR PRODUCT AND COMPANY INFORMATION VISIT WWW.RAINBIRD.COM
4. LOCATION TBD BY OWNER.

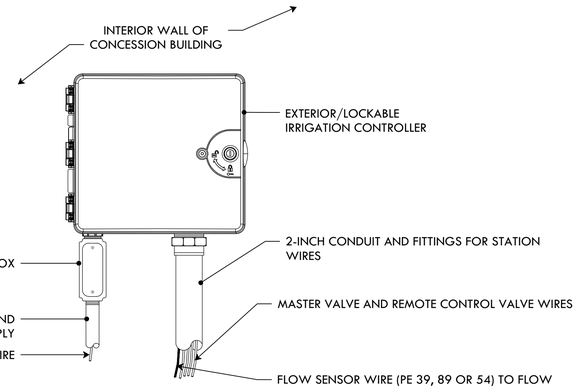
31 RAINBIRD WIRELESS SENSOR
NTS



1 30-INCH LINEAR LENGTH OF WIRE, COILED
2 WATERPROOF CONNECTION
3 REMOTE CONTROL VALVE
4 VALVE BOX WITH COVER (LOCKABLE/BOLT DOWN)
5 FINISHED GRADE
6 PVC SCH 80 NIPPLE (CLOSED)
7 PVC SCH 40 ELL
8 PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
9 SET VALVE BOX ON ¾" STONE (3" MIN.)
10 PVC MAINLINE PIPE
11 SCH 80 NIPPLE (2 INCH LENGTH, HIDDEN) AND SCH 40 ELL
12 PVC SCH 40 TEE OR ELL - S x F x S
13 PVC SCH 40 FEMALE ADAPTER
14 PVC LATERAL PIPE
15 3" MINIMUM DEPTH OF ¾" STONE

NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWINGS.
3. ALL DIMENSIONS ARE CONSIDERED TRUE AND REFLECT MANUFACTURER'S SPECIFICATIONS.
4. FOR PRODUCT AND COMPANY INFORMATION VISIT WWW.RAINBIRD.COM

32 RAINBIRD REMOTE CONTROL VALVE
NTS

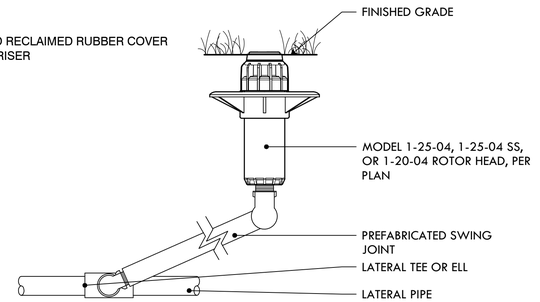


NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. ALL DIMENSIONS ARE CONSIDERED TRUE AND REFLECT MANUFACTURER'S SPECIFICATIONS.
3. FOR PRODUCT AND COMPANY INFORMATION VISIT WWW.RAINBIRD.COM

33 IRRIGATION (EXTERIOR) CONTROLLER
NTS

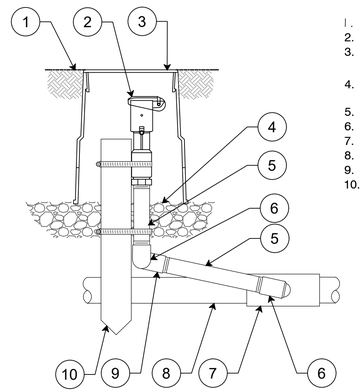
OPTIONS:

☒ R=FACTORY INSTALLED RECLAIMED RUBBER COVER
SS=STAINLESS STEEL RISER
PER PLAN



NOTE:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWINGS.
3. ALL DIMENSIONS ARE CONSIDERED TRUE AND REFLECT MANUFACTURER'S SPECIFICATIONS.
4. FOR PRODUCT AND COMPANY INFORMATION VISIT WWW.HUNTERINDUSTRIES.COM

34 HUNTER ROTOR
NTS

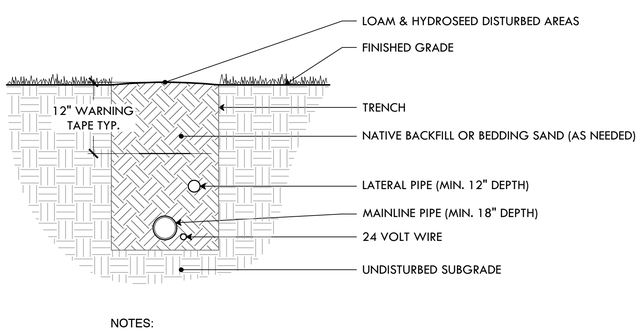


1. FINISH GRADE/TOP OF MULCH
2. QUICK-COUPLING VALVE
3. VALVE BOX WITH COVER: 10" ROUND (BOLT DOWN). SET ON ¾" STONE.
4. 3 -INCH MINIMUM DEPTH OF ¾ -INCH WASHED STONE.
5. PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
6. PVC SCH 40 STREET ELL
7. PVC SCH 40 TEE OR ELL
8. PVC MAINLINE PIPE
9. PVC SCH40 ELL
10. 2"X2" REDWOOD STAKE WITH STAINLESS STEEL GEAR CLAMPS OR EQUIVALENT SUPPORT SYSTEM

NOTE:

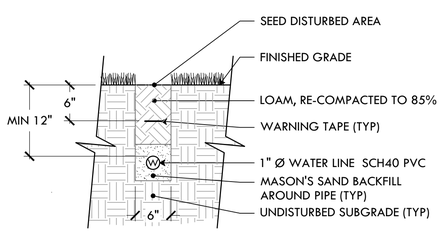
FURNISH FITTING AND PIPING NORMALLY SIZED IDENTICAL TO NORMAL QUICK COUPLING VALVE INLET SIZE.

35 RAINBIRD QUICK COUPLING VALVE
NTS



NOTES:
1. TIE LOOSE LOOP OF WIRE AT CHANGES OF DIRECTION.

36 TRENCH AND WIRE
NTS



CROSS SECTION

*NOTE: IRRIGATION CONDUIT ONLY AS NEEDED

37 IRRIGATION CONDUIT
NTS

PROVIDENCE PARKS DEPARTMENT
DALRYMPLE BOATHOUSE
ROGER WILLIAMS PARK
PROVIDENCE, RI 02905

STAMP

PROJECT:

Re-Bid Site Improvements at Gano St Park
87 Fremont St
Providence, RI 02906

REVISIONS:

Date	Issued For:

NORTH ARROW

SCALE

DRAWING INFO

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DRAWN BY: **SH, II**
CHECKED BY: **MG**

SHEET TITLE

Construction Details 5 & Irrigation Details

L-12

FILE: GSPK.24.01 - REBID.dwg

Gano Park Softball

Providence, RI

Lighting System

Pole/Fixture Summary

Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit
A1-A2	60'	60'	1	TLC-LED-1200	1.17 kW	A
		60'	2	TLC-LED-900	1.76 kW	A
		16'	1	TLC-BT-575	0.57 kW	A
B1-B2	60'	60'	1	TLC-LED-1500	1.41 kW	A
		60'	3	TLC-LED-1200	3.51 kW	A
		16'	1	TLC-BT-575	0.57 kW	A
4			**18**		**18.00 kW**	

Circuit Summary

Circuit	Description	Load	Fixture Qty
A	Baseball 1	18.00 kW	18

Fixture Type Summary

Type	Source	Wattage	Lumens	L90	L80	L70	Quantity
TLC-BT-575	LED 5700K - 75 CRI	575W	52,000	>120,000	>120,000	>120,000	4
TLC-LED-1200	LED 5700K - 75 CRI	1170W	150,000	>120,000	>120,000	>120,000	8
TLC-LED-1500	LED 5700K - 75 CRI	1410W	181,000	>120,000	>120,000	>120,000	2
TLC-LED-900	LED 5700K - 75 CRI	880W	104,000	>120,000	>120,000	>120,000	4

Single Luminaire Amperage Draw Chart

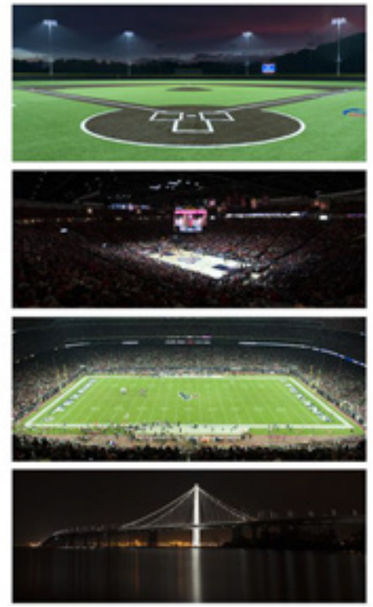
Driver Specifications (.90 min power factor)	Line Amperage Per Luminaire (max draw)						
Single Phase Voltage	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
TLC-LED-1500	8.4	7.9	7.3	6.3	5.0	4.6	3.6
TLC-LED-1200	6.9	6.5	6.0	5.2	4.2	3.8	3.0
TLC-LED-900	5.2	4.9	4.5	3.9	3.1	2.9	2.3
TLC-BT-575	3.3	3.2	2.9	2.5	2.0	1.8	1.5

Light Level Summary

Calculation Grid Summary

Grid Name	Calculation Metric	Illumination Ave					Circuits	Fixture Qty
		Ave	Min	Max	Max/Min	Ave/Min		
Softball 1 (Infield)	Horizontal Illuminance	50.94	32	59	1.86	1.60	A	18
Softball 1 (Outfield)	Horizontal Illuminance	31.76	20	44	2.17	1.57	A	18
Softball 1 Spill @ 3ft.	Horizontal Illuminance	0.0191	0.00	0.06	107.315	33.498	A	18
Softball 1 Spill @ 5ft.	Max Candela Metric	3105.8455	354.09	7489.06	21.150	8.771	A	18
Softball 1 Spill @ 5ft.	Max Vertical Illuminance Metric	0.0566	0.00	0.16	84.949	29.962	A	18
Softball 1 Spill @ 5ft.	True Max Vert Illuminance Metric	0.0563	0.00	0.16	101.277	36.528	A	18

From Hometown to Professional



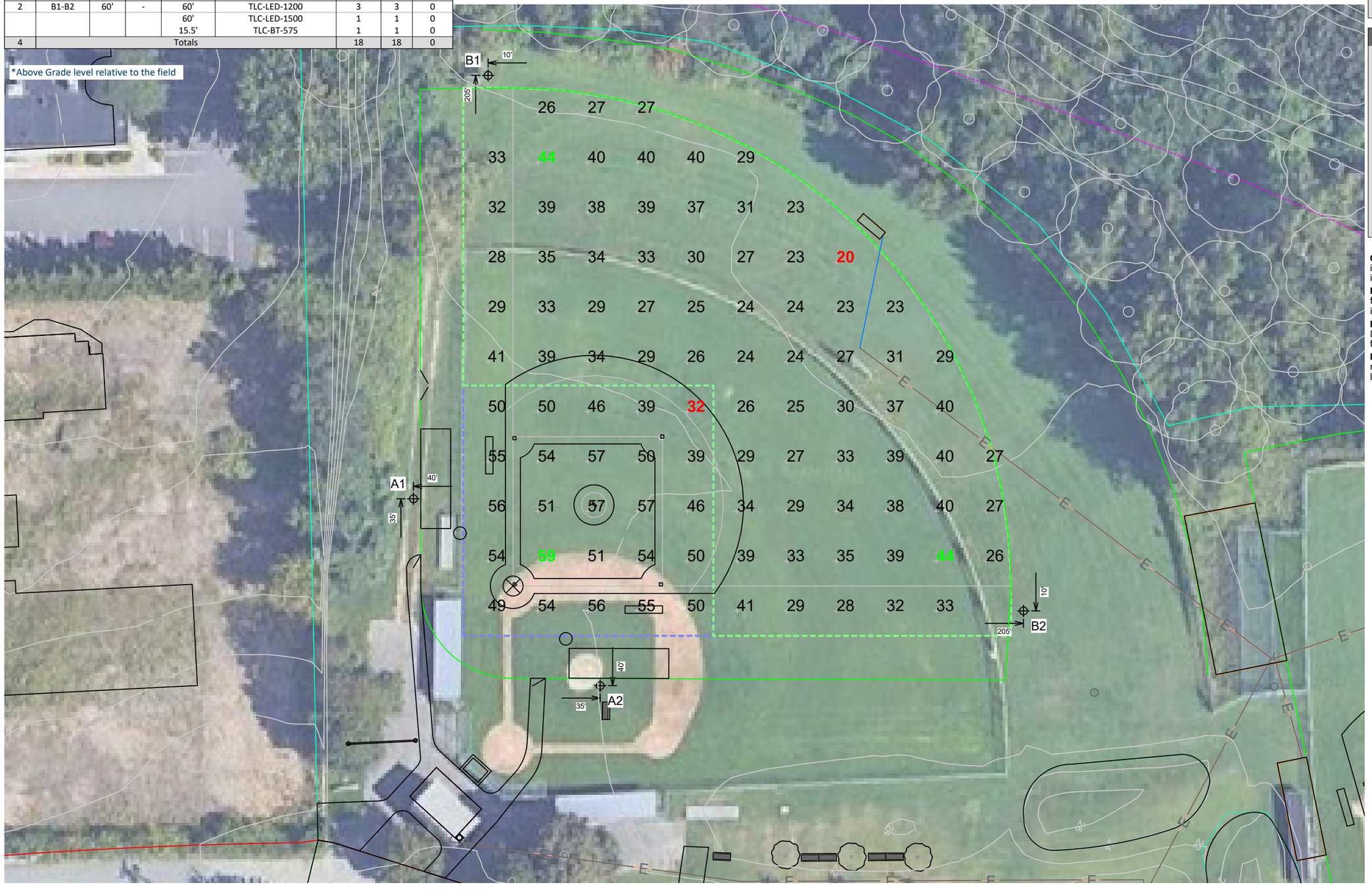
ENGINEERED DESIGN By: J. Danielson • File #237520E • 06-Jan-25

We Make It Happen.

Equipment List For Areas Shown

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	A1-A2	60'	-	60'	TLC-LED-1200	1	1	0
				60'	TLC-LED-900	2	2	0
				15.5'	TLC-BT-575	1	1	0
2	B1-B2	60'	-	60'	TLC-LED-1200	3	3	0
				60'	TLC-LED-1500	1	1	0
				15.5'	TLC-BT-575	1	1	0
4	Totals					18	18	0

*Above Grade level relative to the field



Gano Park Softball

Providence, RI

Grid Summary

Name	**Softball 1**
Size	200'/200'/200' - basepath 60'
Spacing	20.0' x 20.0'
Height	3.0' above grade

Illumination Summary

	MAINTAINED HORIZONTAL FOOTCANDLES	
	Infield	Outfield
Guaranteed Average	**50**	**30**
Scan Average	50.94	31.76
Maximum	59	44
Minimum	32	20
Avg/Min	1.60	1.57
Guaranteed Max/Min	**2**	**2.5**
Max/Min	1.86	2.17
UG (adjacent pts)	1.30	1.66
CU	0.66	
No. of Points	25	71
LUMINAIRE INFORMATION		
Applied Circuits	A	
No. of Luminaires	**18**	
Total Load	18.00 kW	

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

SCALE IN FEET 1 : 40

0' 40' 80'

ENGINEERED DESIGN By: J. Danielson • File #237520E • 06-Jan-25

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊠

We Make It Happen.

Gano Park Softball

Providence, RI

Grid Summary

Name	**Softball 1 Spill @ 3ft.**
Spacing	30.0'
Height	3.0' above grade

Illumination Summary

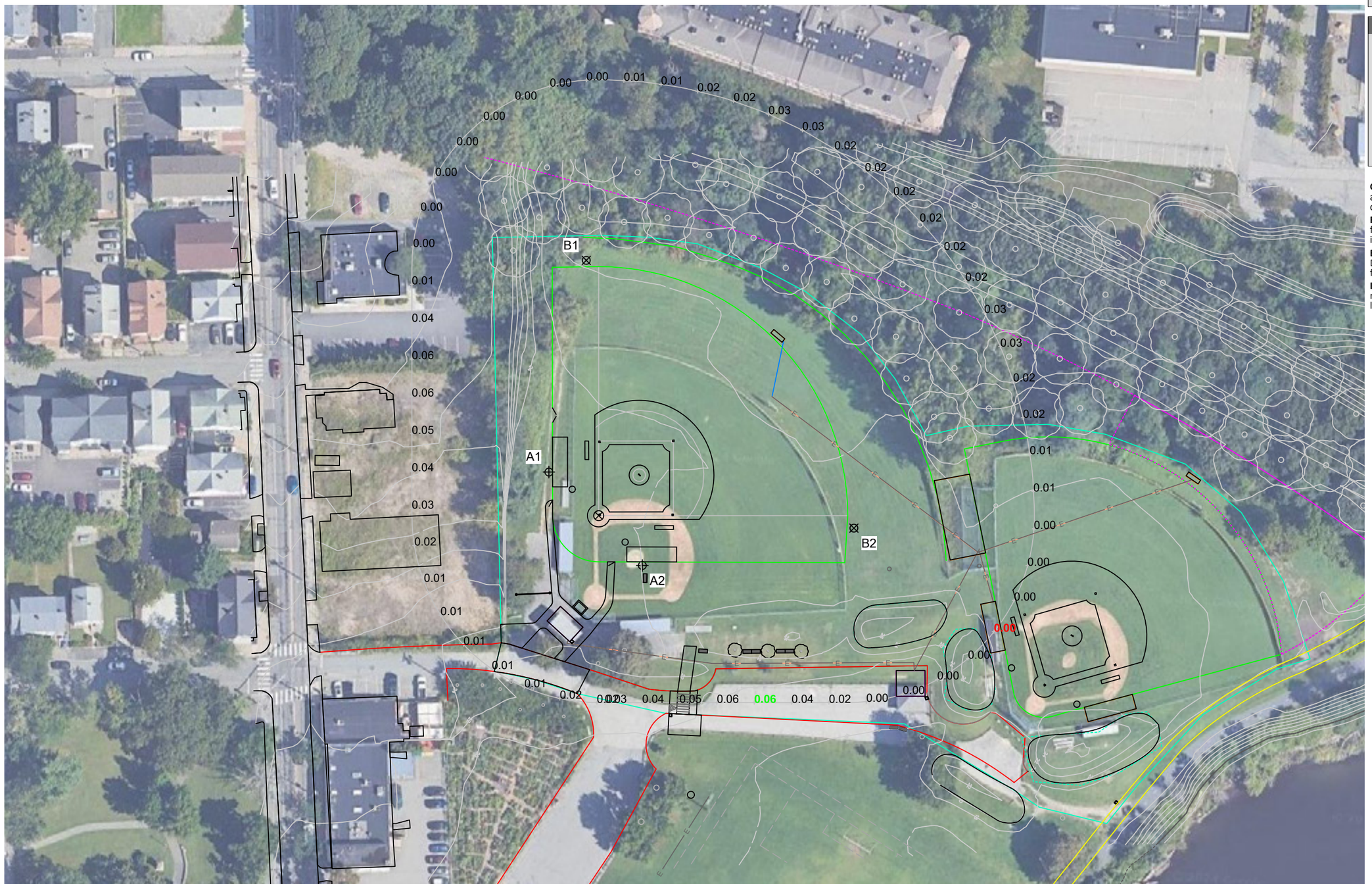
	INITIAL HORIZONTAL FOOTCANDLES
	Entire Grid
Scan Average	**0.0191**
Maximum	0.06
Minimum	0.00
CU	0.00
No. of Points	56
LUMINAIRE INFORMATION	
Applied Circuits	A
No. of Luminaires	**18**
Total Load	18.00 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



SCALE IN FEET 1 : 80

0' 80' 160'

ENGINEERED DESIGN By: J. Danielson • File #237520E • 06-Jan-25

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊠

Gano Park Softball

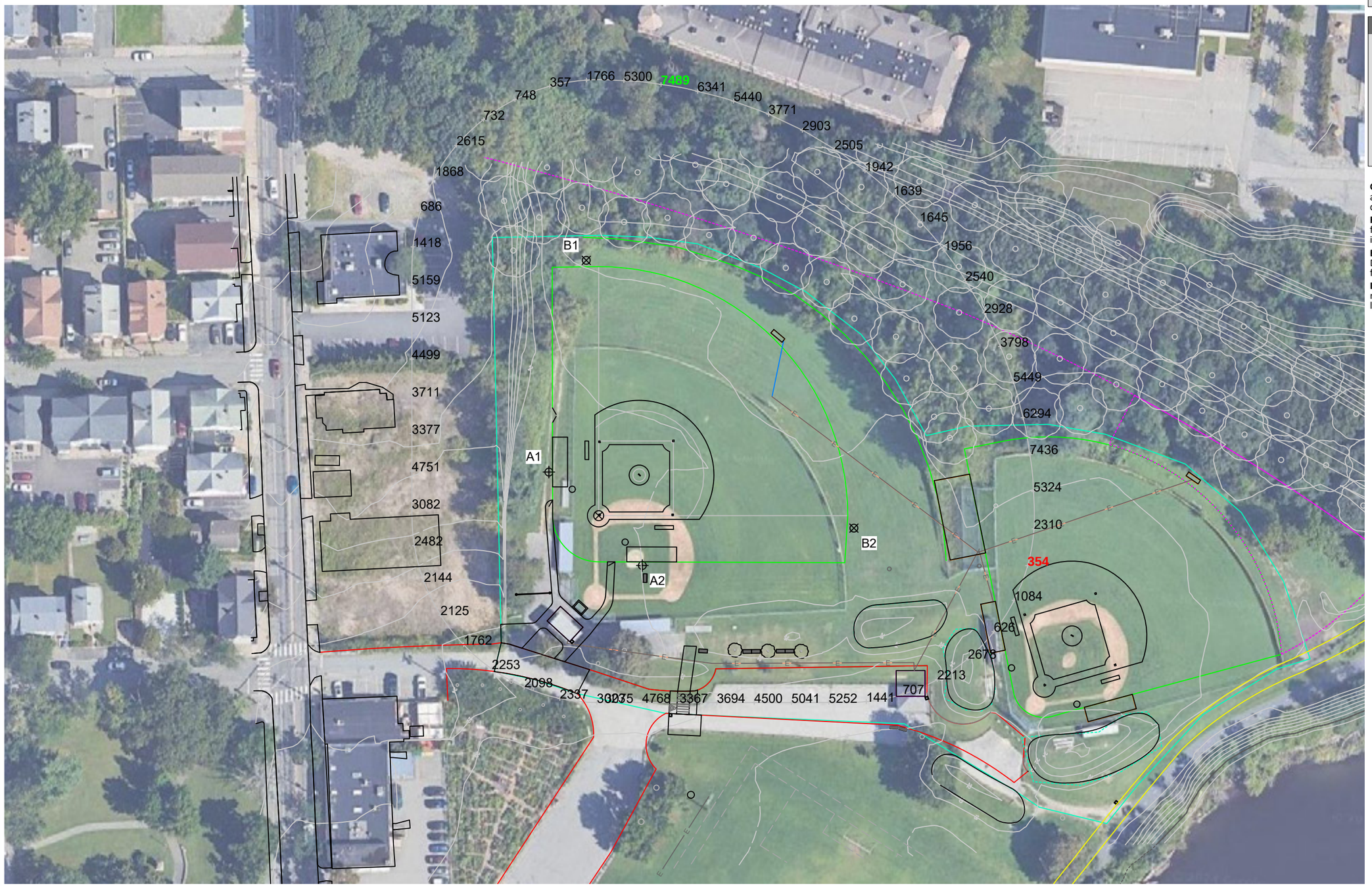
Providence, RI

Grid Summary

Name	**Softball 1 Spill @ 5ft.**
Spacing	30.0'
Height	5.0' above grade

Illumination Summary

	INITIAL CANDELA (PER FIXTURE)
	Entire Grid
Scan Average	**3105.8455**
Maximum	7489.06
Minimum	354.09
CU	0.00
No. of Points	56
LUMINAIRE INFORMATION	
Applied Circuits	A
No. of Luminaires	**18**
Total Load	18.00 kW



Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

SCALE IN FEET 1 : 80

0' 80' 160'

ENGINEERED DESIGN By: J. Danielson • File #237520E • 06-Jan-25

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊠

Gano Park Softball

Providence, RI

Grid Summary

Name	**Softball 1 Spill @ 5ft.**
Spacing	30.0'
Height	5.0' above grade

Illumination Summary

	INITIAL MAX VERTICAL FOOTCANDLES
	Entire Grid
Scan Average	**0.0566**
Maximum	0.16
Minimum	0.00
CU	0.00
No. of Points	56
LUMINAIRE INFORMATION	
Applied Circuits	A
No. of Luminaires	**18**
Total Load	18.00 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

SCALE IN FEET 1 : 80

0' 80' 160'

ENGINEERED DESIGN By: J. Danielson • File #237520E • 06-Jan-25

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊠

Gano Park Softball

Providence, RI

Equipment Layout

INCLUDES:
· Softball 1

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

Equipment List For Areas Shown

Pole				Luminaires		
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE
2	A1-A2	60'	-	60'	TLC-LED-1200	1
				60'	TLC-LED-900	2
				15.5'	TLC-BT-575	1
2	B1-B2	60'	-	60'	TLC-LED-1200	3
				60'	TLC-LED-1500	1
				15.5'	TLC-BT-575	1
4	Totals					18

Single Luminaire Amperage Draw Chart

Driver Specifications (.90 min power factor)	Line Amperage Per Luminaire (max draw)						
Single Phase Voltage	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
TLC-LED-1500	8.4	7.9	7.3	6.3	5.0	4.6	3.6
TLC-LED-1200	6.9	6.5	6.0	5.2	4.2	3.8	3.0
TLC-LED-900	5.2	4.9	4.5	3.9	3.1	2.9	2.3
TLC-BT-575	3.3	3.2	2.9	2.5	2.0	1.8	1.5

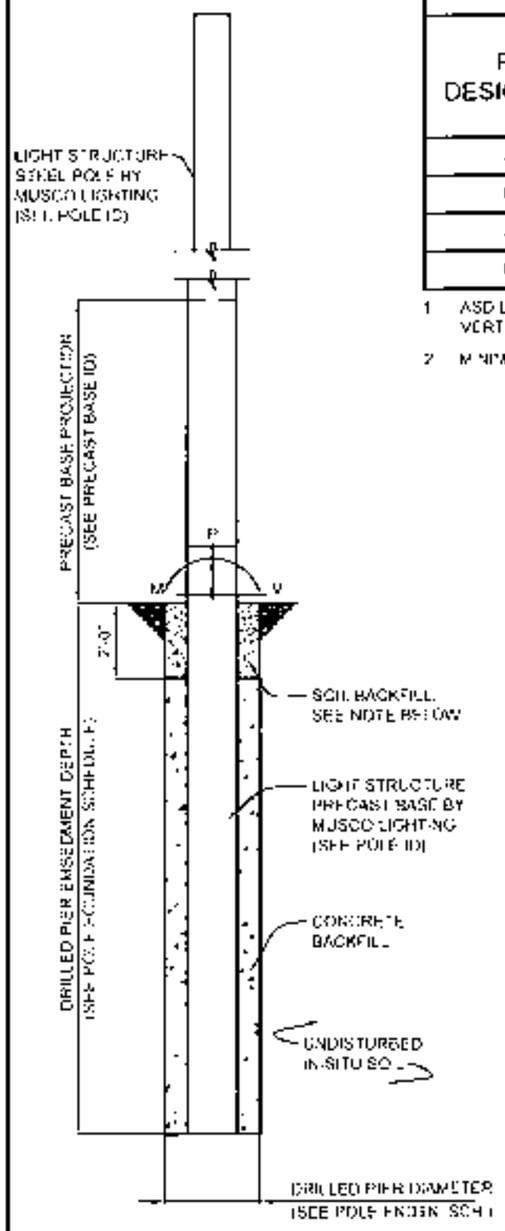
SCALE IN FEET 1 : 100

0' 100' 200'

ENGINEERED DESIGN By: J. Danielson • File #237520E • 06-Jan-25

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊠

We Make It Happen.



POLE FOUNDATION ELEV.

SCALE: NOT TO SCALE

SOIL BACKFILL NOTE:
THE TOP TWO FEET OF ANNULUS SHALL BE BACKFILLED WITH SOIL WITH A CLASSIFICATION OF CLASS 5 (TABLE 1806.2) OR BETTER. COMPACTION: 95% FOR COHESIVE SOIL AND 90% FOR A COHESIONLESS SOIL BASED UPON STANDARD PROCTOR TESTING (ASTM D698)

POLE FOUNDATION SCHEDULE

POLE DESIGNATION	FORCES (1)			DRILLED PIER		
	MOMENT (M) FT-LBS	SHEAR (V) LBS	VERTICAL (P) LBS	DIAMETER INCHES	EMBEDMENT DEPTH	CONCRETE BACKFILL YD³ (2)
A1, A2	38,036	1,043	981	30	10'-0"	1.3
B1, B2	42,457	1,121	1,152	36	10'-0"	1.9
A3, A4	39,146	1,200	981	30	10'-0"	1.3
B3, B4	39,398	1,009	1,064	30	10'-0"	1.3

1 ASD LOAD COMBINATION D + 0.6W
VERTICAL FORCE IS WEIGHT OF DRESSED POLE (DOES NOT INCLUDE PRECAST BASE WEIGHT)

2 MINIMUM CONCRETE BACKFILL VOLUME. SITE CONDITIONS MAY REQUIRE ADDITIONAL BACKFILL

PRECAST BASE IDENTIFICATION

PRECAST BASE TYPE	PRECAST BASE WEIGHT	PRECAST BASE LENGTH	PROJECTION ABOVE GRADE	STANDARD EMBEDMENT	OUTSIDE DIAMETER
2B	1,950 LBS	17'-3"	7'-3"	10'-0"	12.00"

POLE IDENTIFICATION

POLE DESIGNATION	POLE TYPE	PRECAST BASE TYPE	FIXTURE CONFIGURATION (# X PER ARM)	FIXTURE AND ACCESSORIES EPA (FT²)
A1, A2	LSS60AA	2B	4 (3)	10.2
B1, B2	LSS60AA	2B	5 (4)	11.1
A3, A4	LSS60AA	2B	4 (3)	10.8
B3, B4	LSS60AA	2B	5 (4)	10.3

EACH POLE HAS (1) MUSCO TEQ FIXTURE AT 15'-6" AGL INCLUDED ABOVE

DESIGN NOTES

DESIGN PARAMETERS
WIND: V = 125 MPH (V_{asd} = 97 MPH) EXPOSURE C, RISK CATEGORY II, PER INTERNATIONAL BUILDING CODE, 2018 EDITION (ASCE 7-16)

GEOTECHNICAL PARAMETERS
ALLOWABLE END BEARING SOIL PRESSURE: 1,500 PSF OR SKIN FRICTION: 250 PSF
ALLOWABLE LATERAL SOIL BEARING PRESSURE:
100 PSF/FT (GRADE TO -2'-0"), 250 PSF/FT (BELOW -2'-0")
IN ACCORDANCE WITH THE 2018 EDITION OF THE INTERNATIONAL BUILDING CODE, CHAPTER 18. SEE TABLE 1806.2, SOIL MATERIAL CLASS 5 & SECTION 1806.3.4

DESIGN SOIL PARAMETERS ARE AS NOTED. ACTUAL ALLOWABLE SOIL PARAMETERS MUST BE VERIFIED ON SITE.

A GEOTECHNICAL ENGINEER OR REPRESENTATAVE OF IS RECOMMENDED (NOT REQUIRED) TO BE AVAILABLE AT THE TIME OF THE FOUNDATION INSTALLATION TO VERIFY THE SOIL DESIGN PARAMETERS AND TO PROVIDE ASSISTANCE IF ANY PROBLEMS ARISE IN FOUNDATION INSTALLATION.

ENCOUNTERING SOIL FORMATIONS THAT WILL REQUIRE SPECIAL DESIGN CONSIDERATIONS OR EXCAVATION PROCEDURES MAY OCCUR. POLE FOUNDATIONS WILL NEED TO BE ANALYZED ACCORDING TO THE SOIL CONDITIONS THAT EXIST. IF ANY DISCREPANCIES OR INCONSISTENCIES ARISE, NOTIFY THE ENGINEER OF SUCH DISCREPANCIES. FOUNDATIONS WILL THEN BE REVISED ACCORDINGLY. REVISIONS WILL BE ANALYZED PER RECOMMENDATIONS DIRECTED BY A REGISTERED ENGINEER.

ALL EXCAVATIONS MUST BE FREE OF LOOSE SOIL AND DEBRIS PRIOR TO FOUNDATION INSTALLATION AND CONCRETE BACKFILL PLACEMENT. TEMPORARY CASINGS OR DRILLERS SLURRY MAY BE USED TO STABILIZE THE EXCAVATION DURING INSTALLATION. CASINGS MUST BE REMOVED DURING CONCRETE BACKFILL PLACEMENT. CONCRETE BACKFILL MUST BE PLACED WITH A TREMIE WHEN SLURRY OR WATER IS PRESENT WITHIN THE EXCAVATION.

CONTRACTOR MUST BE FAMILIAR WITH THE COMPLETE SOIL INVESTIGATION REPORT AND BORINGS AND CONTACT THE GEOTECHNICAL FIRM IF NECESSARY TO UNDERSTAND THE SOIL CONDITIONS AND THE POSSIBILITY OF GROUND WATER PUMPING AND EXCAVATION STABILIZATION OR BRACING DURING PRECAST BASE INSTALLATION AND PLACEMENT OF CONCRETE BACKFILL.

CONCRETE
CONCRETE SHALL BE AIR-ENTRAINED AND HAVE A MINIMUM COMPRESSIVE DESIGN STRENGTH AT 28 DAYS OF 3,000 PSI. 3,000 PSI CONCRETE SPECIFIED FOR EARLY POLE ERECTION. ACTUAL REQUIRED MINIMUM ALLOWABLE CONCRETE STRENGTH IS 1,500 PSI. ALL PIERS AND CONCRETE BACKFILL MUST BEAR ON AND AGAINST FIRM UNDISTURBED SOIL.

GENERAL NOTES
FIXTURES MUST BE LOCATED TO MAINTAIN 10'-0" MINIMUM HORIZONTAL CLEARANCE FROM ANY OBSTRUCTION. ENGINEER MUST BE NOTIFIED IF FOUNDATIONS ARE NEAR ANY RETAINING WALLS OR WITHIN / NEAR ANY SLOPES STEEPER THAN 3H : 1V. POLES, FIXTURES, PRECAST BASES, ELECTRICAL ITEMS AND INSTALLATION PER MUSCO LIGHTING.

MATTHEW L. PFEIFER
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PROFESSIONAL ENGINEER
CIVIL

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114 N CHICLAS DRIVE
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EMAIL: MSE.INFO@SBPC.BIZ

DRAWING TITLE
POLE AND FOUNDATION
SCALE: N.T.S. PLAN
SHEET NO.
SCAN #2375203

PROJECT NUMBER
237520

DATE
22 NOVEMBER 2024

DRAWING NUMBER
C1
OF ONE