

LOCUS MAP

NOT TO SCALE

PROVIDENCE, RI

ISSUED FOR BID 11/4/24

SITE IMPROVEMENTS

AT GANO STREET PARK

HONORABLE  
BRETT P. SMILEY  
MAYOR

WENDY NILSSON  
SUPERINTENDENT OF PARKS

JOHN GONCALVES  
CITY COUNCILOR

SHEET SCHEDULE

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- E-1-8MUSCO ATHLETIC FIELD LIGHTING PLANS

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 EARTHMOWING 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.

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.
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 SWEEPED AS NECESSARY INCLUDING ANY SEDIMENT TRACKING. PAVED AREAS SHALL BE SWEEPED 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.

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:

Site Improvements at  
Gano Street Park

87 Fremont Street  
Providence, RI 02906

REVISIONS:

Date

Issued For:

- - -

- - -

- - -

NORTH ARROW

SCALE

DRAWING INFO

DATE ISSUED: 11/4/2024  
PROJECT NO: GSPK.24.01  
DRAWN BY: SH, II  
CHECKED BY: SG, MG

SHEET TITLE

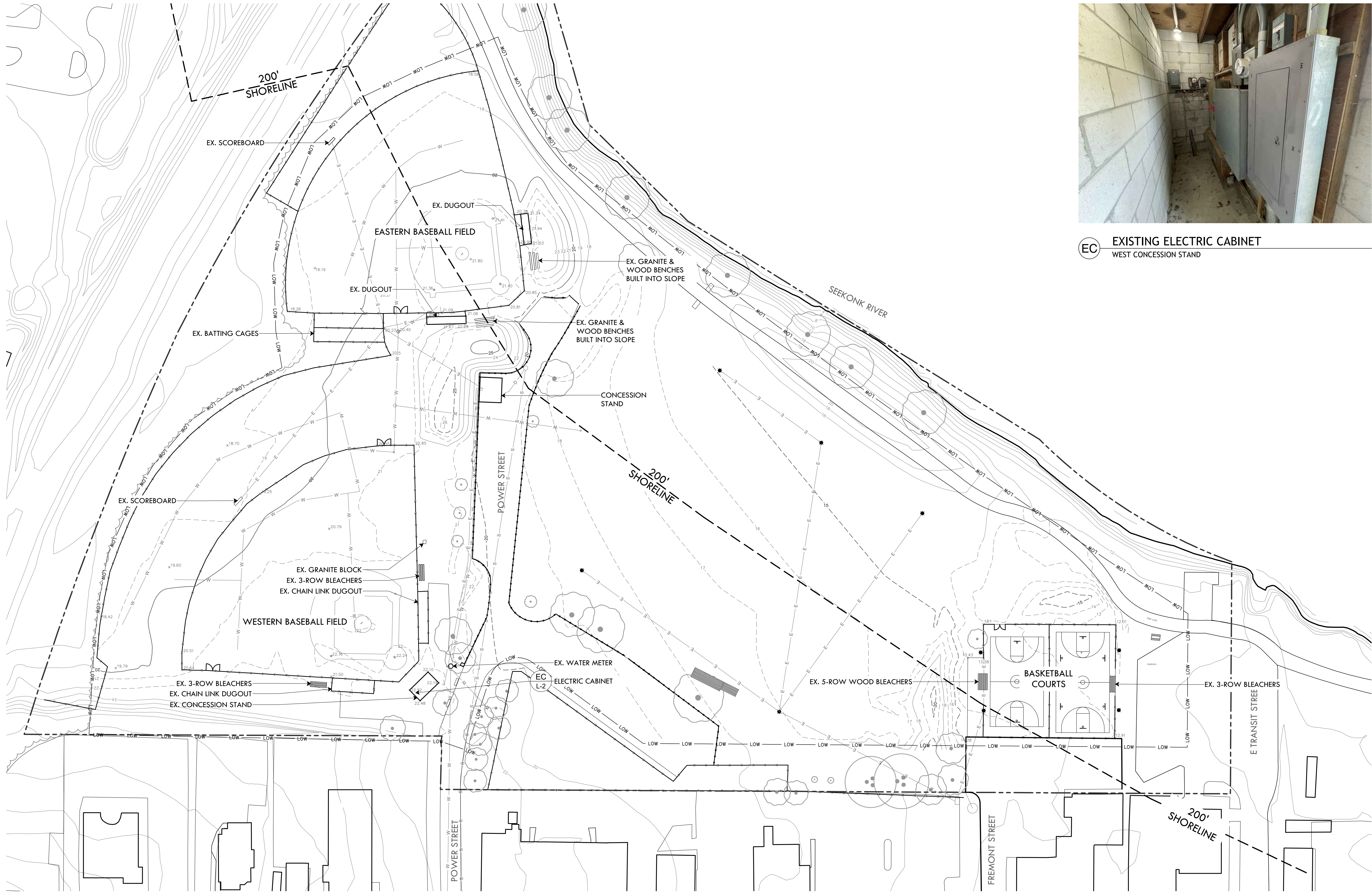
Cover Sheet

L-1

1 OF 17

FILE GSPK.24-PHASE 1 PLANS.dwg





EXISTING CONDITIONS LEGEND

- LOW — LOW —

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— E — E —

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— S — S —

— W — W —

LIMIT OF WORK (BASE BID)

EXISTING CHAIN LINK (CL) FENCE

EXISTING GRADE

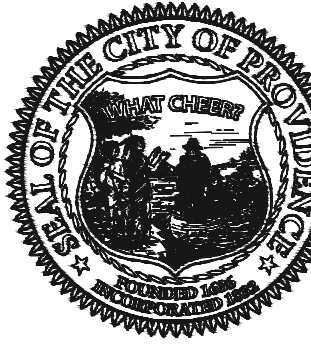
EXISTING ATHLETIC FIELD LIGHTING

EXISTING CHAIN LINK (CL) FENCE


EXISTING GRADE

EXISTING CONTOUR

EXISTING SEWER

EXISTING WATER
- 
- EC EXISTING ELECTRIC CABINET  
WEST CONCESSION STAND
- 

**PROVIDENCE PARKS DEPARTMENT**  
DALRYMPLE BOATHOUSE  
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play • relax • explore

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**STAMP**

**PROJECT:**

**Site Improvements at Gano Street Park**

**87 Fremont Street**  
Providence, RI 02906

**REVISIONS:**

Date	Issued For:
-	-
-	-
-	-

**NORTH ARROW**

**SCALE**

0 20 40' 80'

SCALE: 1"=40'

**DRAWING INFO**

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CHECKED BY: SG, MG

**SHEET TITLE**

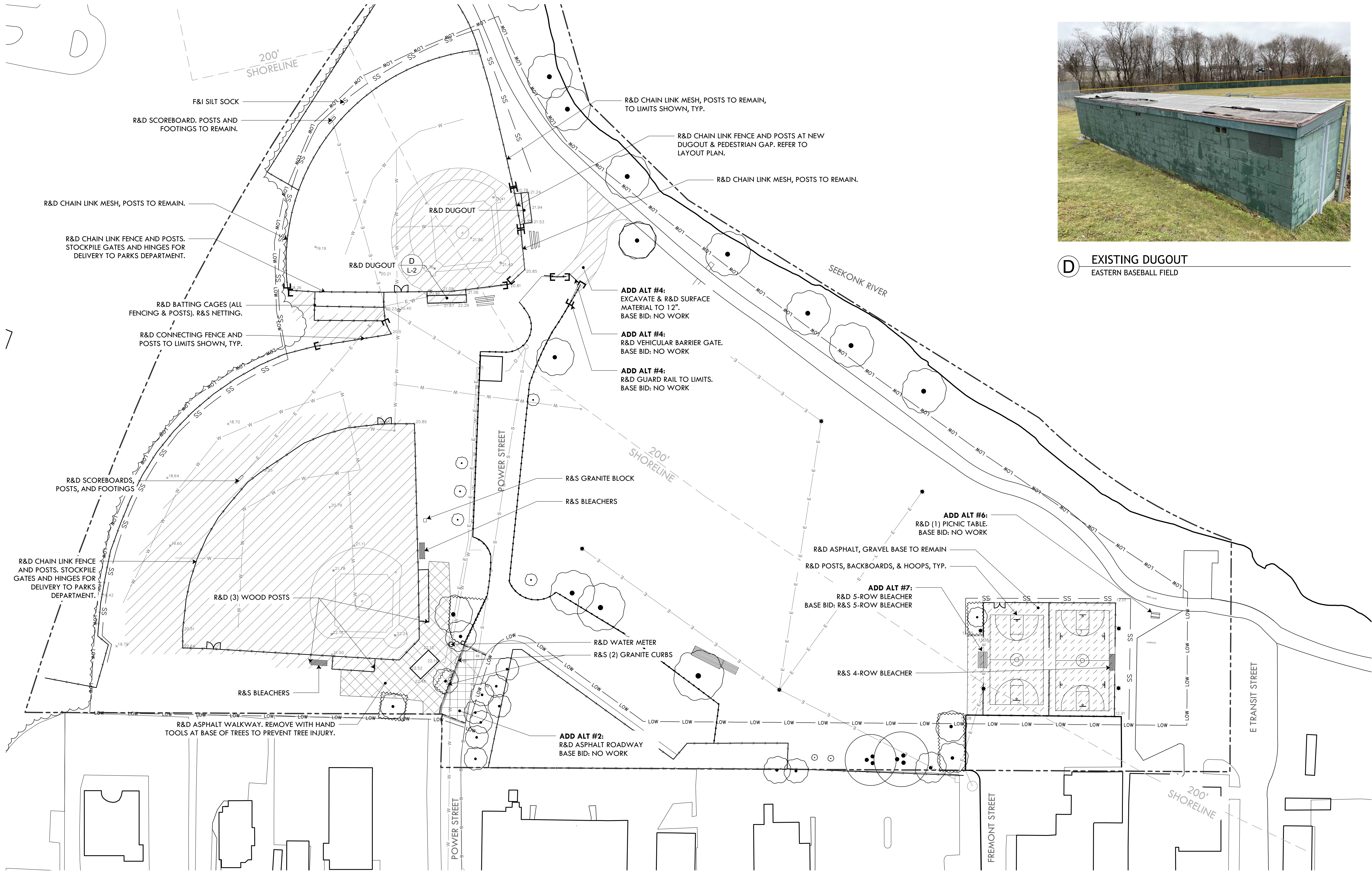
**Existing Conditions Plan**

**L-2**

2 OF 17

FILE: GSPK.24-PHASE 1 PLANS.dwg





**D** EXISTING DUGOUT  
EASTERN BASEBALL FIELD

**DEMOLITION LEGEND**

— LOW — LOW —	LIMIT OF WORK	R&D	REMOVE & DISPOSE		R&D EX. ASPHALT AND GRAVEL BASE
— SS —	SILT SOCK	R&S	REMOVE & STOCKPILE		R&D EX. ASPHALT, GRAVEL BASE TO REMAIN
~~~~~	TREE PROTECTION FENCE	— x — x —	EXISTING FENCE TO REMAIN		STRIP TURF & TOPSOIL TO 6" DEPTH
	SAWCUT	— x — x —	FENCE & POSTS TO BE REMOVED		LIMIT OF FENCE REMOVAL



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PROVIDENCE, RI 02905



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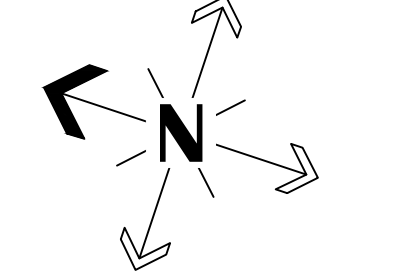
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Gano Street Park**

**87 Fremont Street  
Providence, RI 02906**

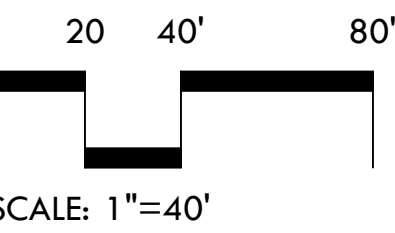
**REVISIONS:**

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-	-
-	-

**NORTH ARROW**



**SCALE**



**DRAWING INFO**

DATE ISSUED: 11/4/2024  
PROJECT NO: GSPK.24.01  
DRAWN BY: SH, II  
CHECKED BY: SG, MG

**SHEET TITLE**

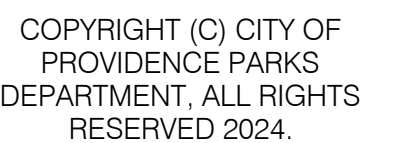
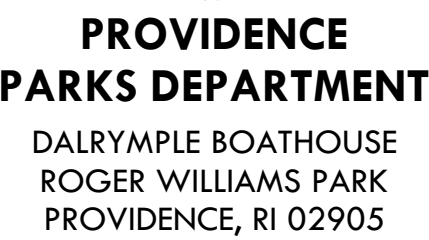
**Demolition  
Plan**

**L-3**

3 OF 17

FILE: GSPK.24-PHASE 1 PLANS.dwg





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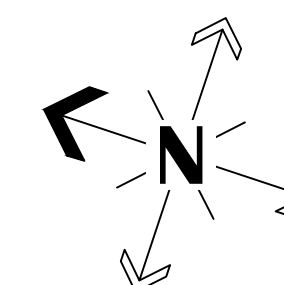
## Site Improvements at Gano Street Park

**87 Fremont Street**  
Providence, RI 02906

REVISIONS:

Date	Issued For:
- -	-
- -	-
- -	-

**NORTH ARROW**



SCALE

	0	15'	30'	60'
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SCALE: 1"=30'

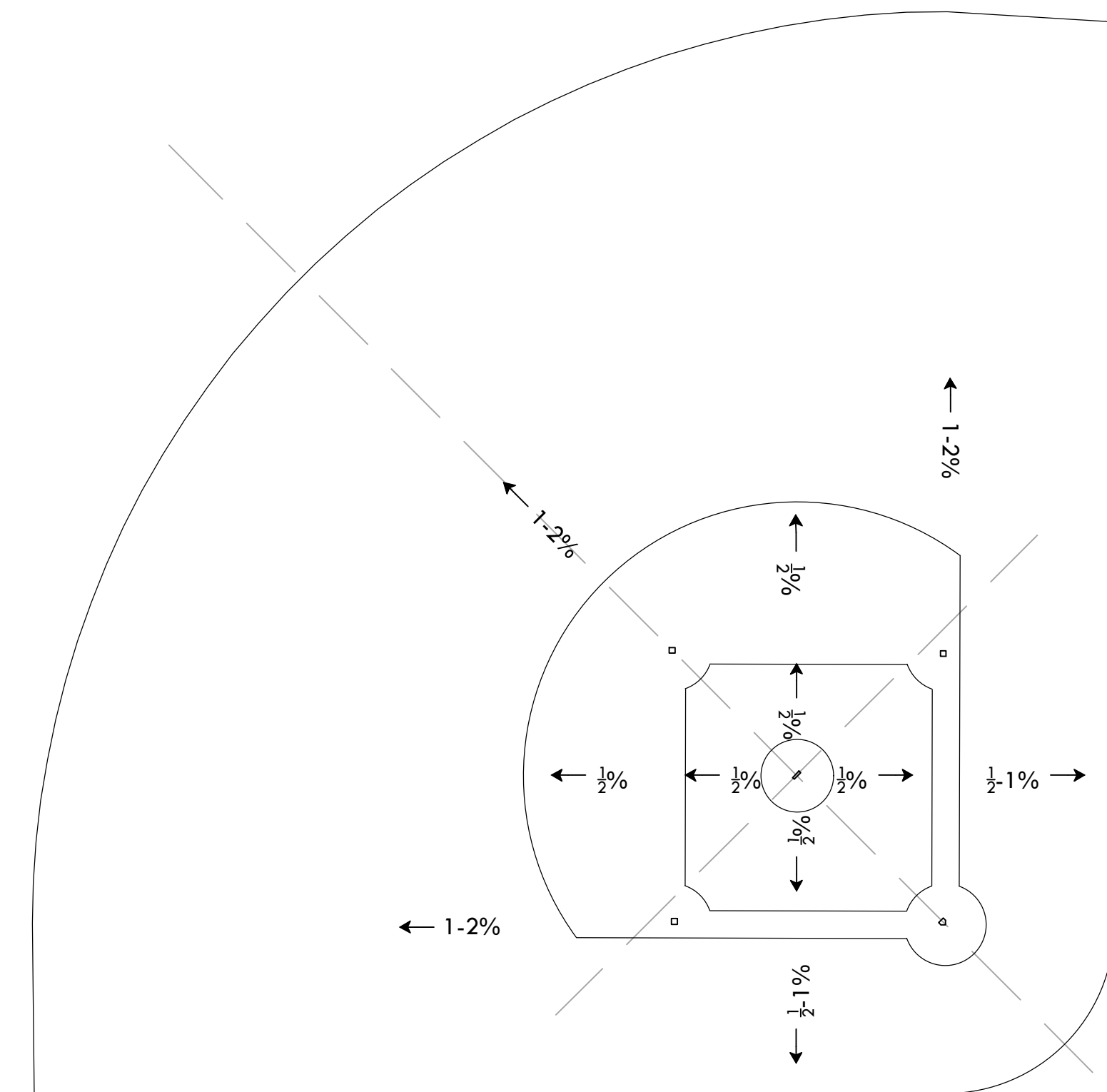
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PROJECT NO: GSPK.24.01  
DRAWN BY: SH, II  
CHECKED BY: SG, MG

<b>SHEET TITLE</b>
<b>Grading Plan</b>





**L-4**

4 OF 17



**G** BASEBALL FIELD FINE GRADING, TYP.  
1"=30'

## GRADING LEGEND

	EXISTING GRADE
	PROPOSED GRADE
	EXISTING CONTOUR
	PROPOSED CONTOUR

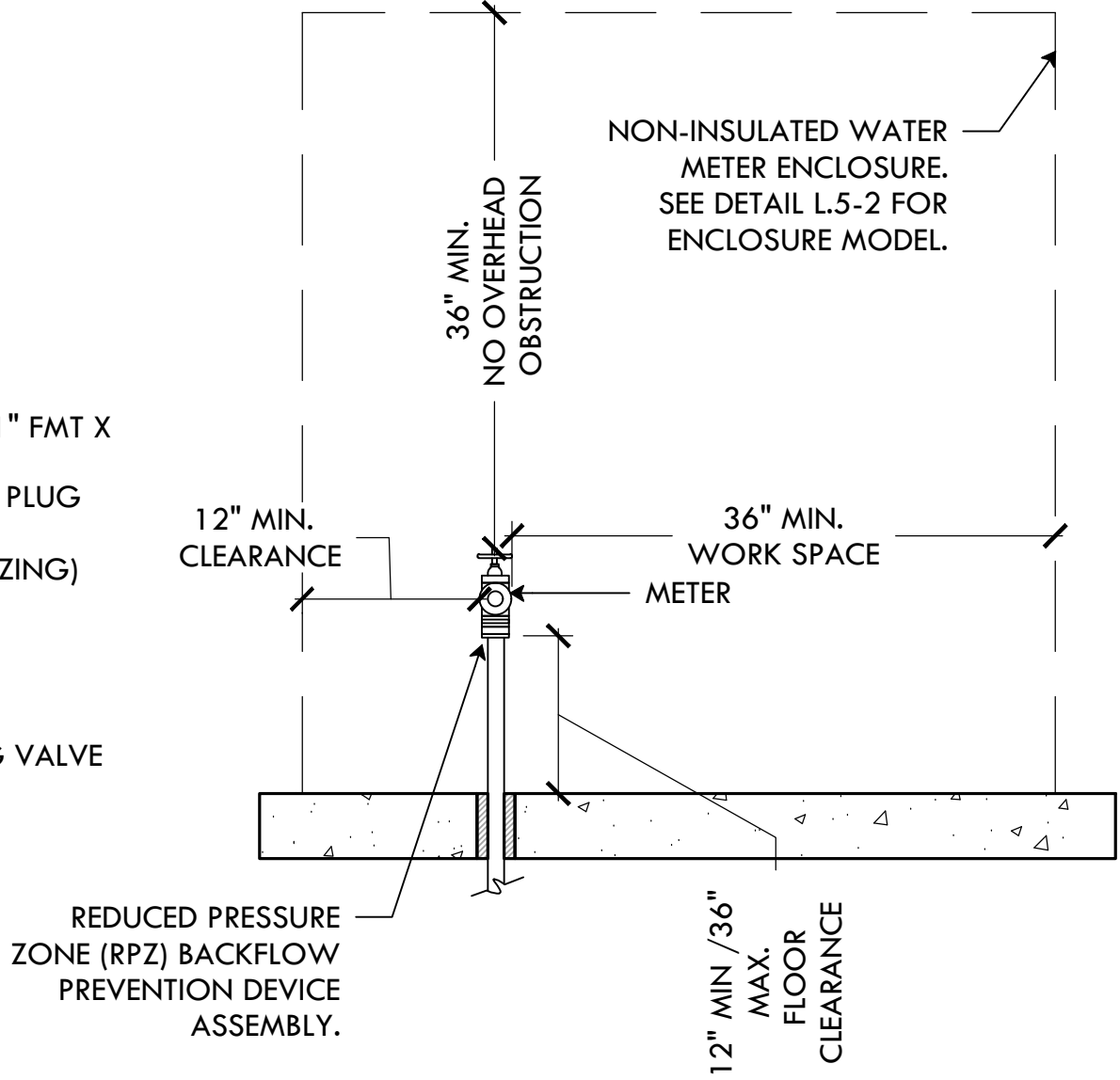
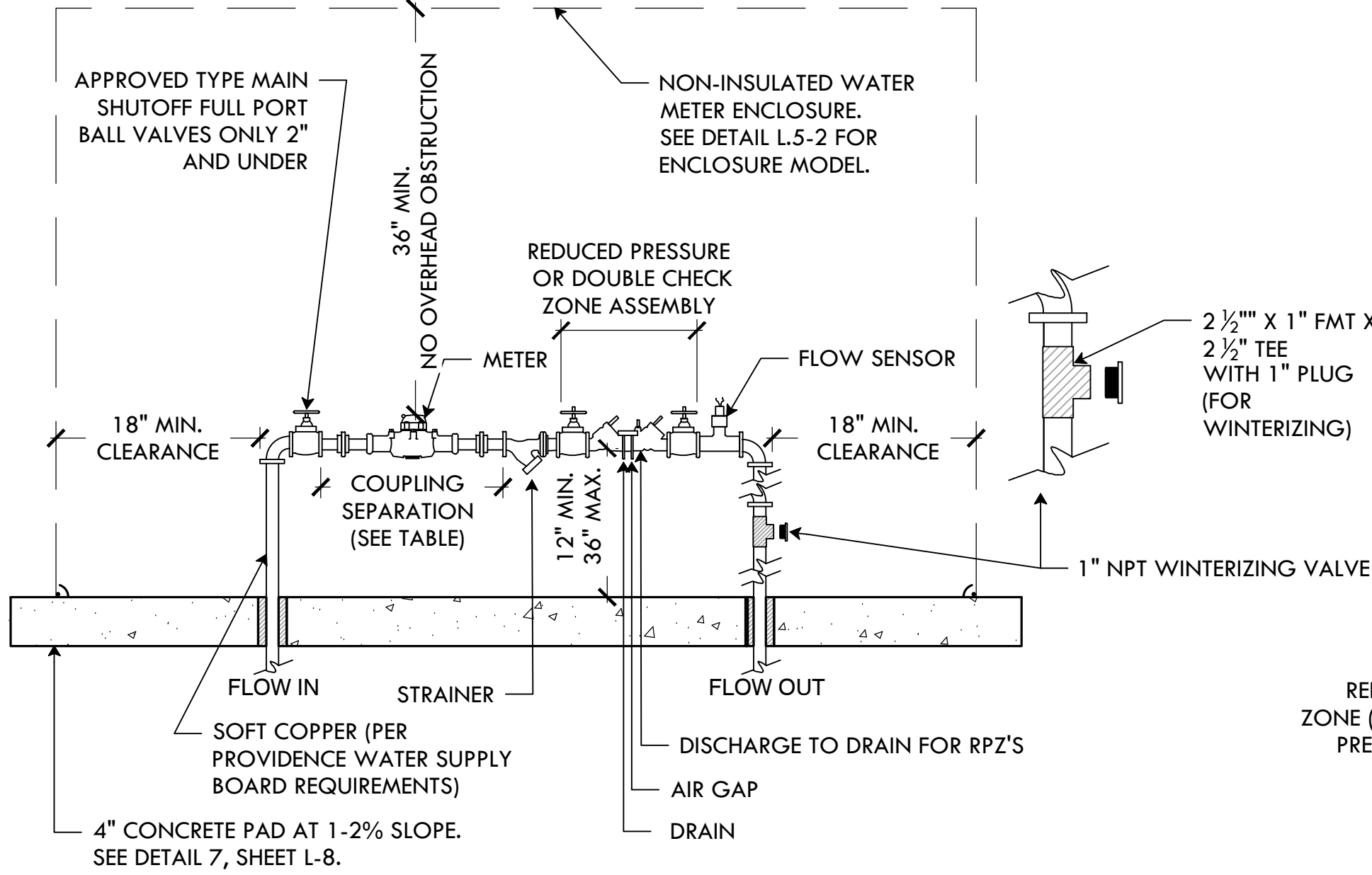


NOTES:

METER AND BACK FLOW MUST BE ACCESSIBLE AT ALL TIMES.

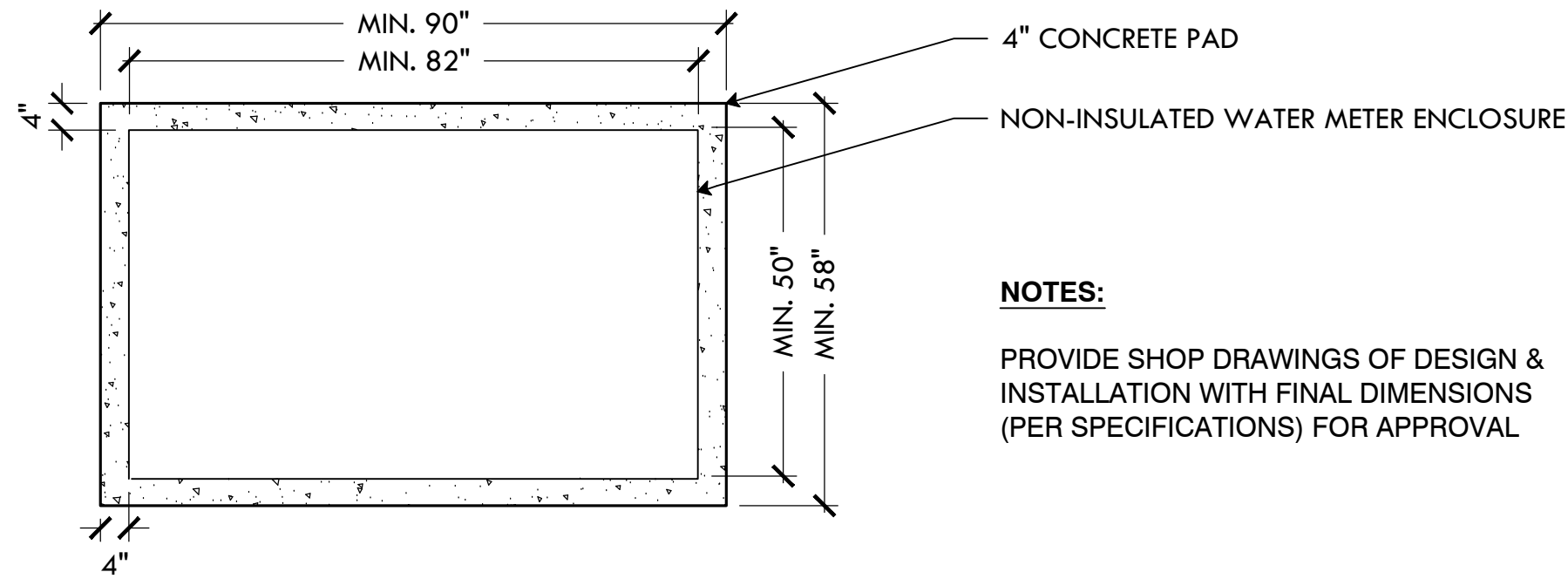
CONTRACTOR SHALL CARRY ALL COST FOR FEES AND CHARGES BY PROVIDENCE WATER SUPPLY BOARD.

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



1 WATER METER  
NTS

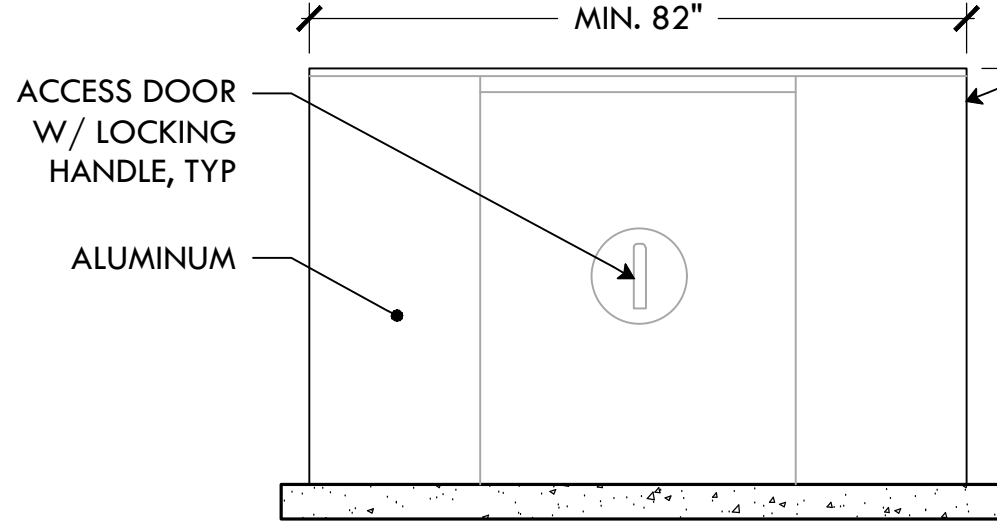
TOP VIEW



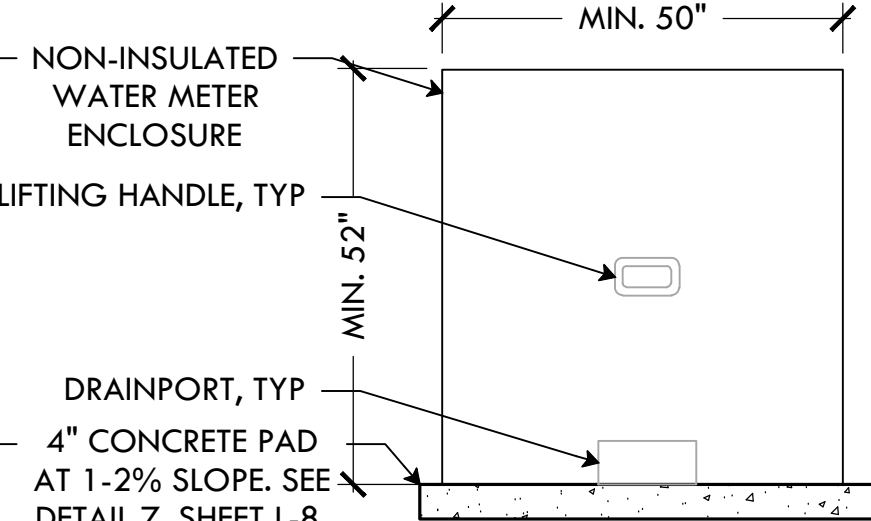
NOTES:

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

FRONT VIEW



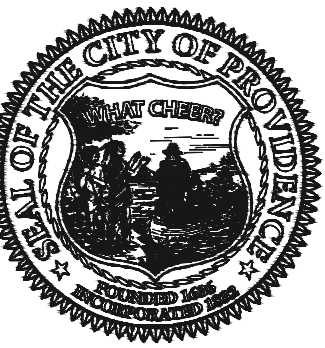
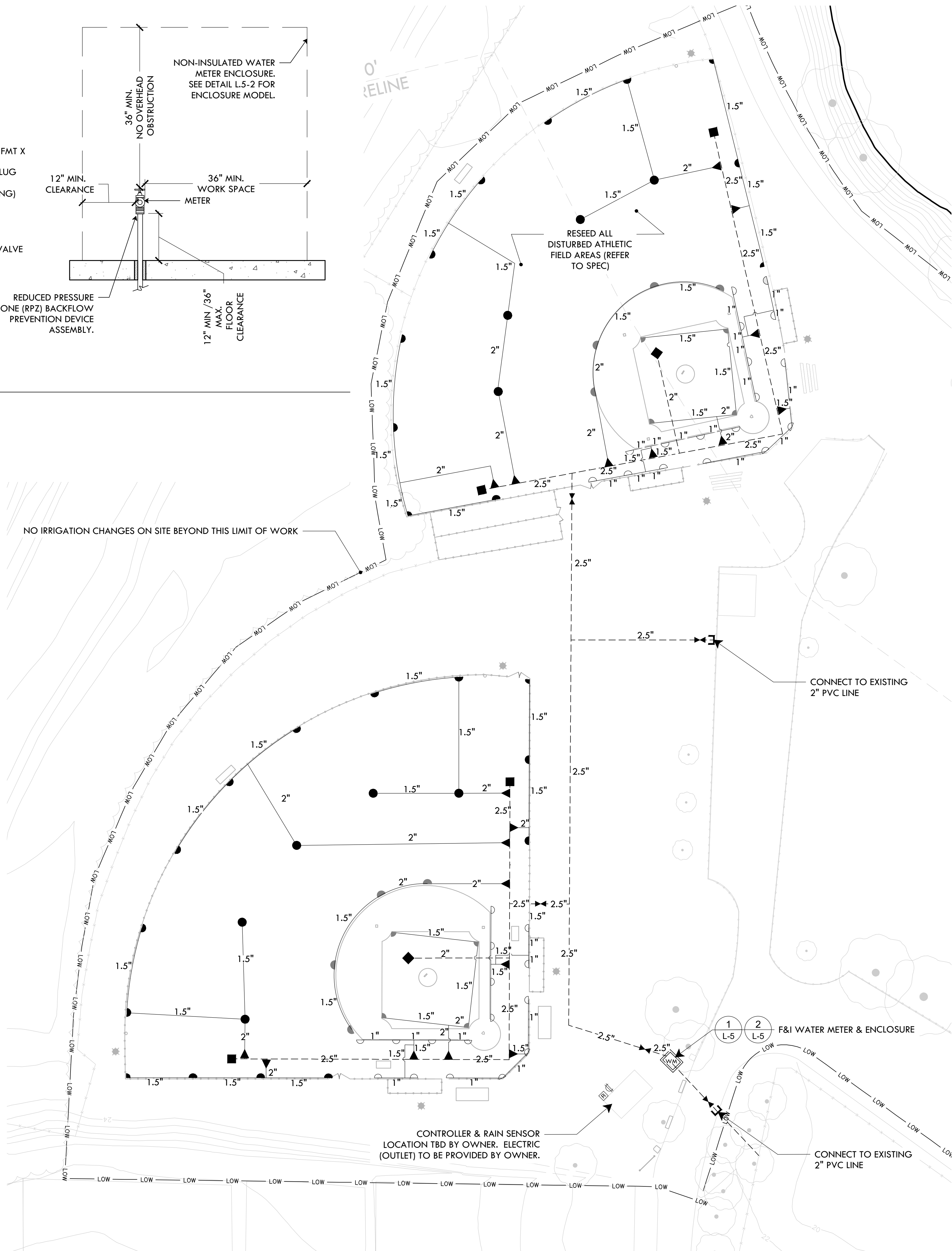
SIDE VIEW



2 WATER METER ENCLOSURE  
NTS

IRRIGATION LEGEND

	RAIN SENSOR		RAINBIRD (EXTERIOR) CONTROLLER
	HUNTER I-25 ROTOR		IRRIGATION MAIN LINE, SIZED AS SHOWN
	HUNTER I-25 SS ROTOR		IRRIGATION LATERAL LINE, SIZED AS SHOWN
	HUNTER I-20 ROTOR		2-1/2" ISOLATION BACK VALVE
	RAINBIRD QUICK COUPLING VALVE IN 10" BOX		1-1/2" RAINBIRD PGA VALVE



PROVIDENCE  
PARKS DEPARTMENT  
DAIRYMPL E BOATHOUSE  
ROGER WILLIAMS PARK  
PROVIDENCE, RI 02905



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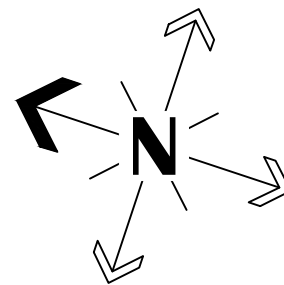
Site Improvements at  
Gano Street Park

87 Fremont Street  
Providence, RI 02906

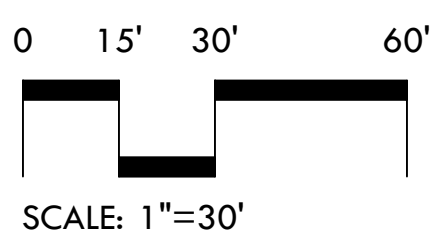
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NORTH ARROW



SCALE



DRAWING INFO

DATE ISSUED: 11/4/2024  
PROJECT NO: GSPK.24.01  
DRAWN BY: SH, II  
CHECKED BY: SG, MG

SHEET TITLE

Irrigation Plan

L-5

5 OF 17





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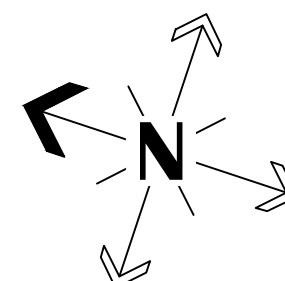
**Site Improvements at  
Gano Street Park**

**87 Fremont Street  
Providence, RI 02906**

REVISIONS:

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-	-

NORTH ARROW



SCALE

0 10' 40' 80'

SCALE: 1"=40'

DRAWING INFO

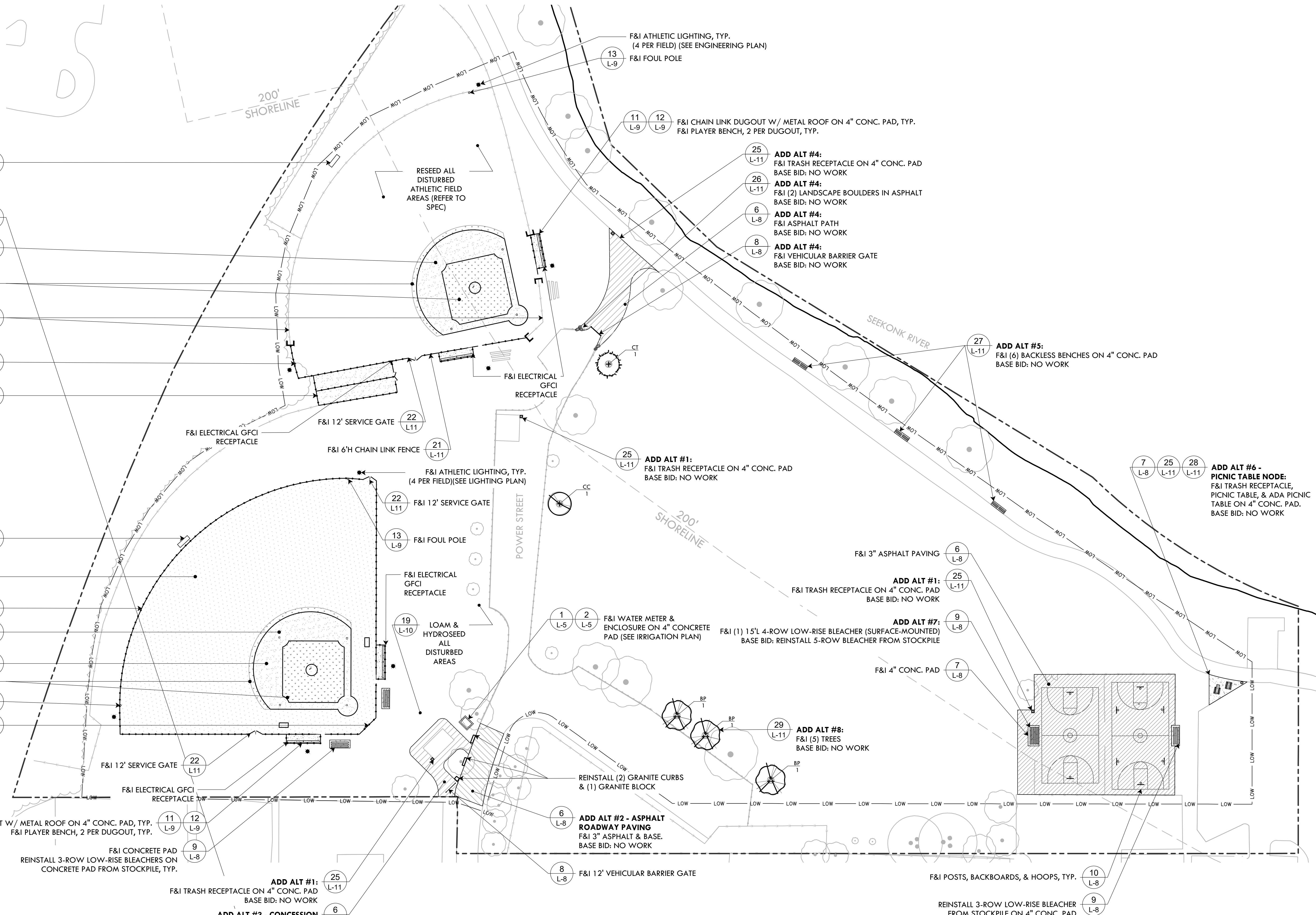
DATE ISSUED: 11/4/2024  
PROJECT NO: GSPK.24.01  
DRAWN BY: SH, II  
CHECKED BY: SG, MG

SHEET TITLE

**Materials Plan**

**L-6**

6 OF 17



## MATERIALS LEGEND

	4" POURED CONCRETE PAD		ATHLETIC FIELD SEED MIX
	3" ASPHALT PAVING		4" CLAY INFIELD MIX
	LOAM & HYDROSEED ALL DISTURBED AREAS		SOD
	FURNISH & INSTALL		ATHLETIC LIGHTING (REFER TO ENGINEERING PLAN)

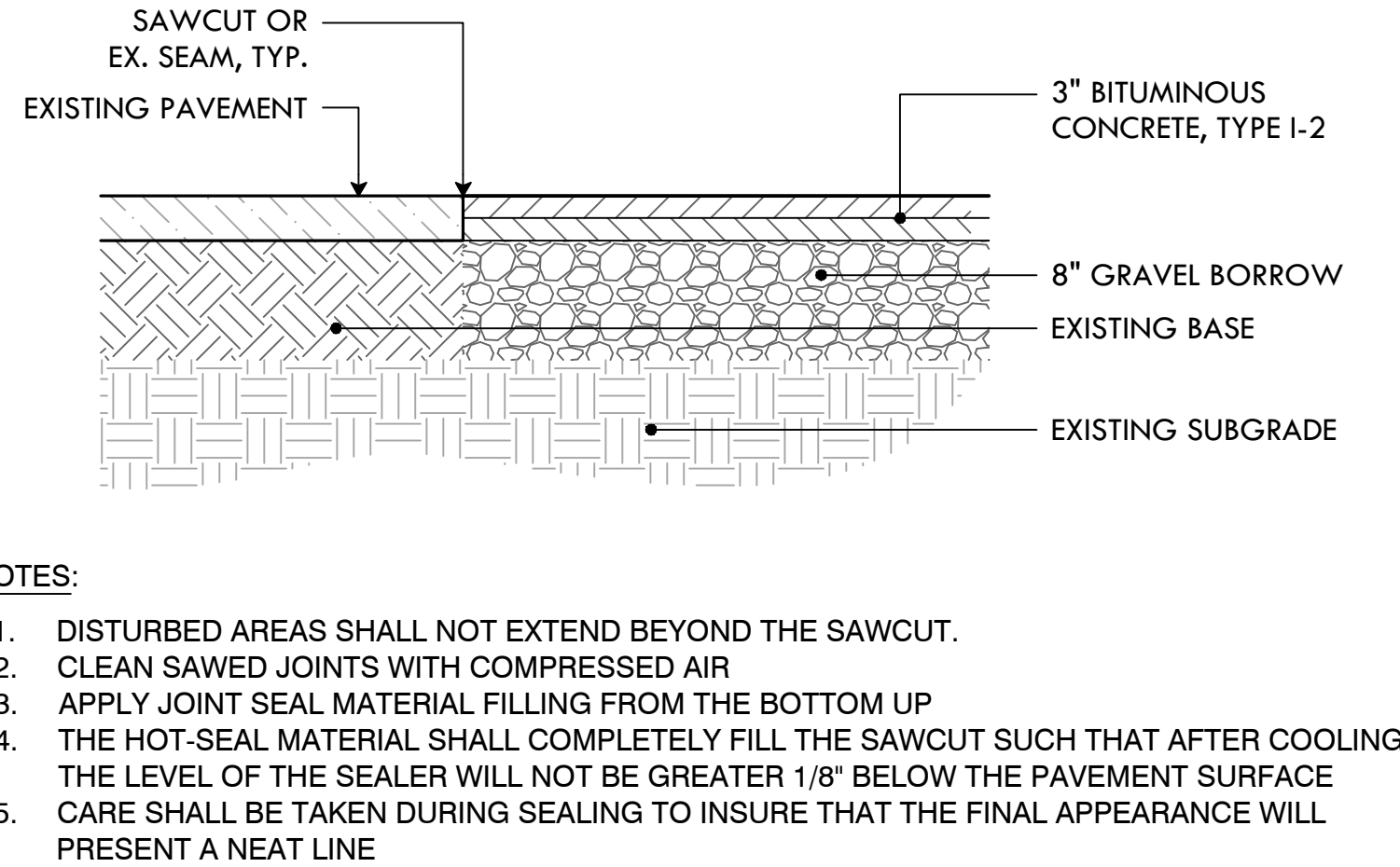
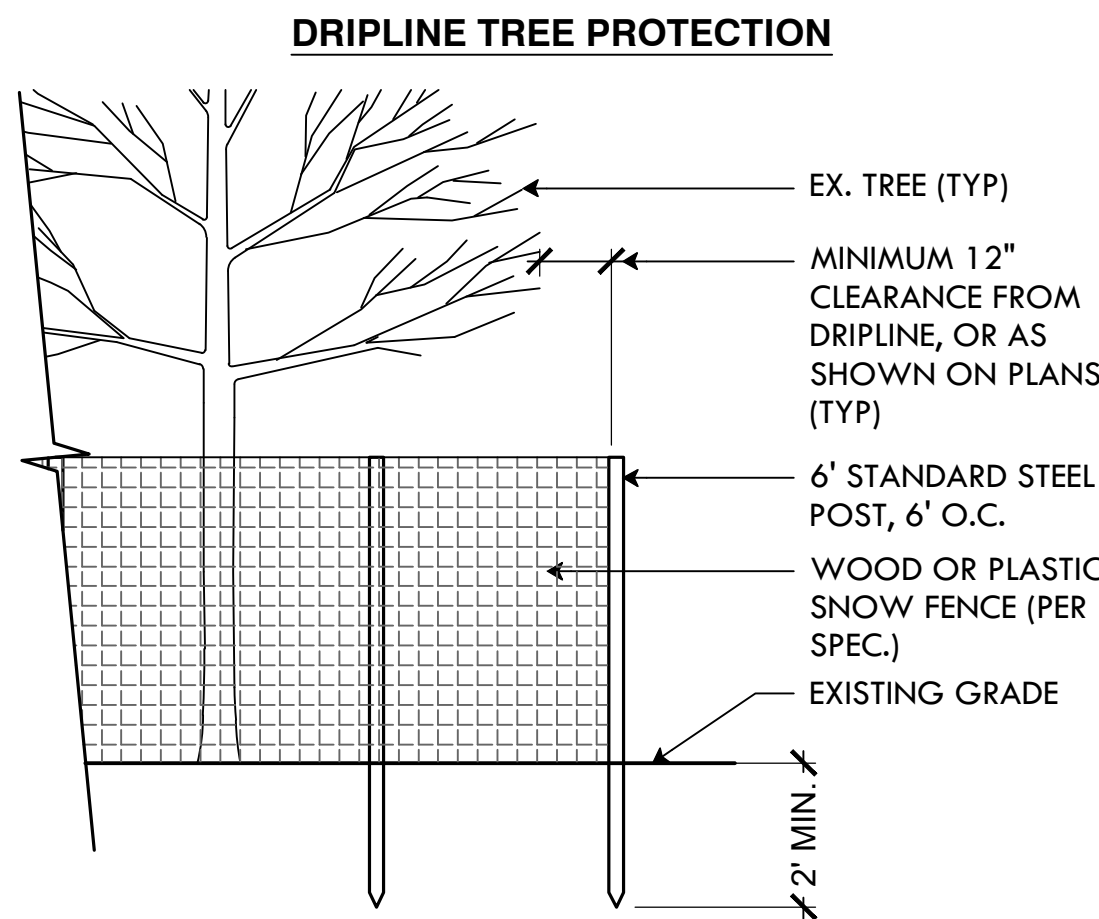
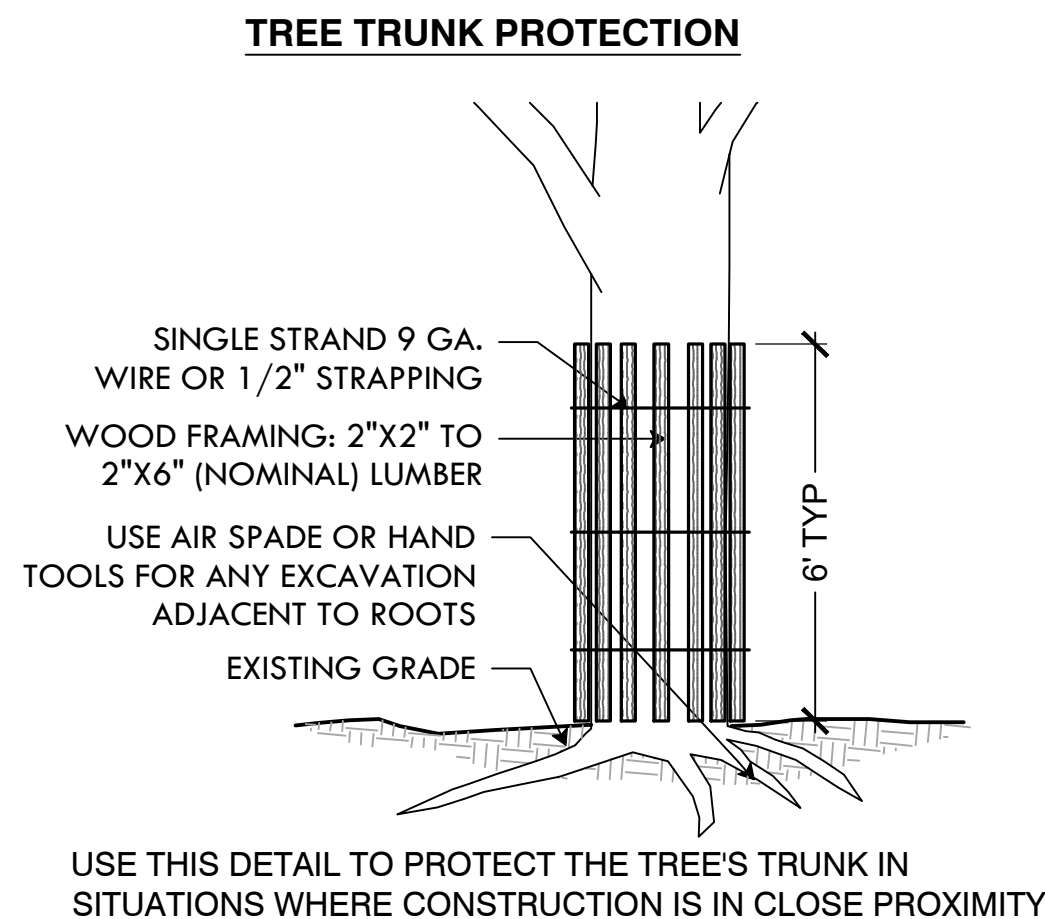
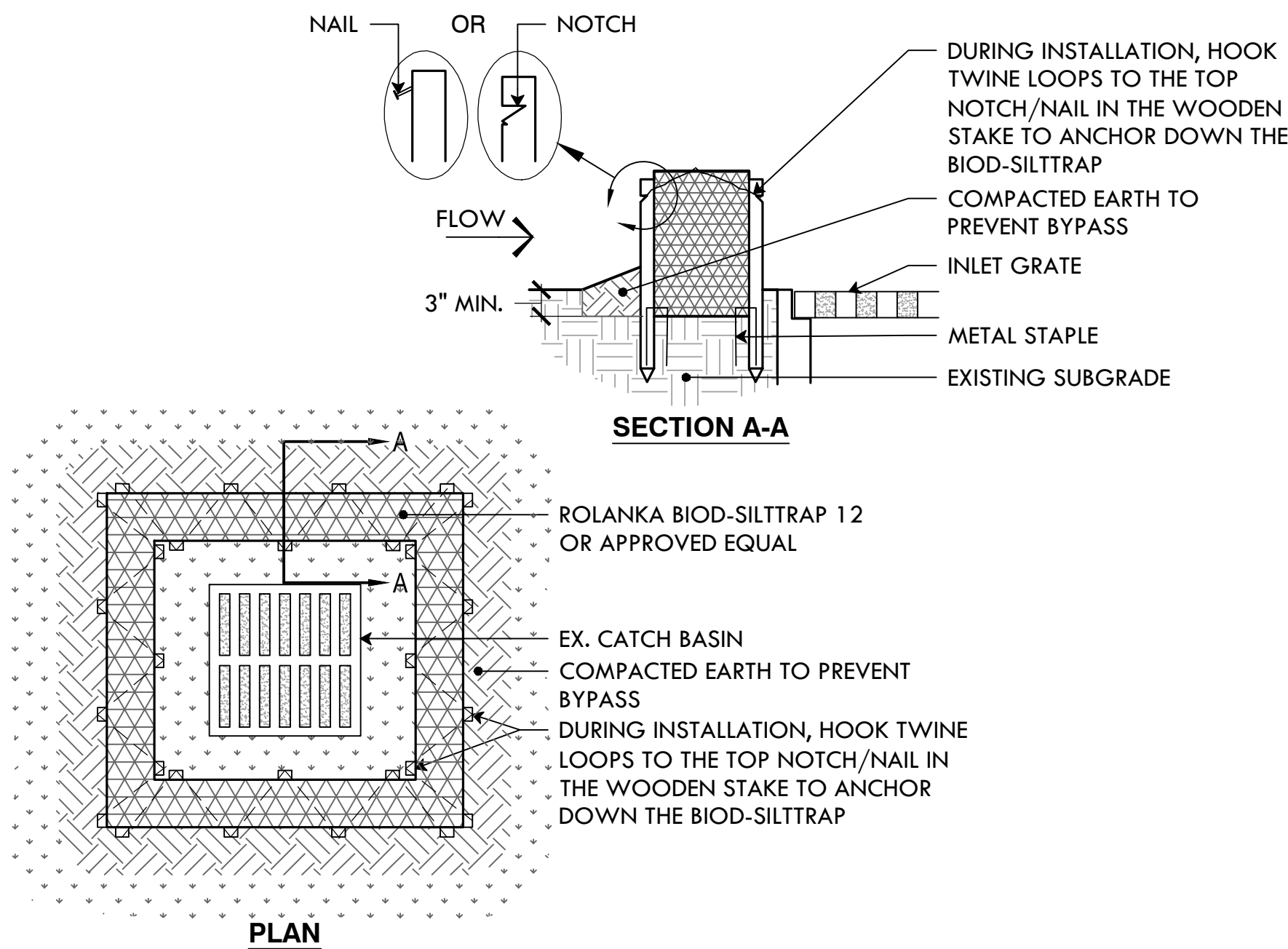
## ADD ALT #8: PLANTING LEGEND & TREE SCHEDULE

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







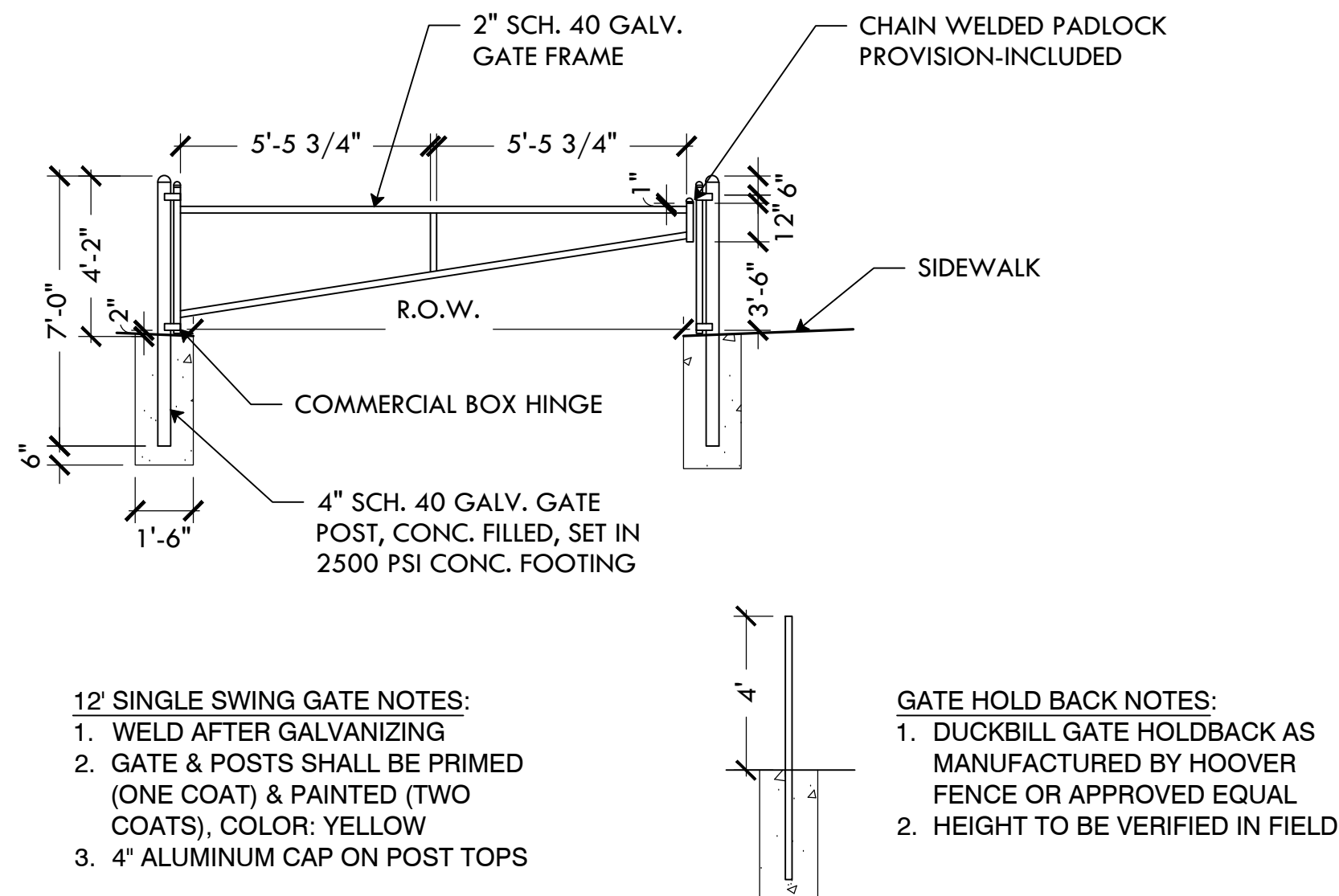
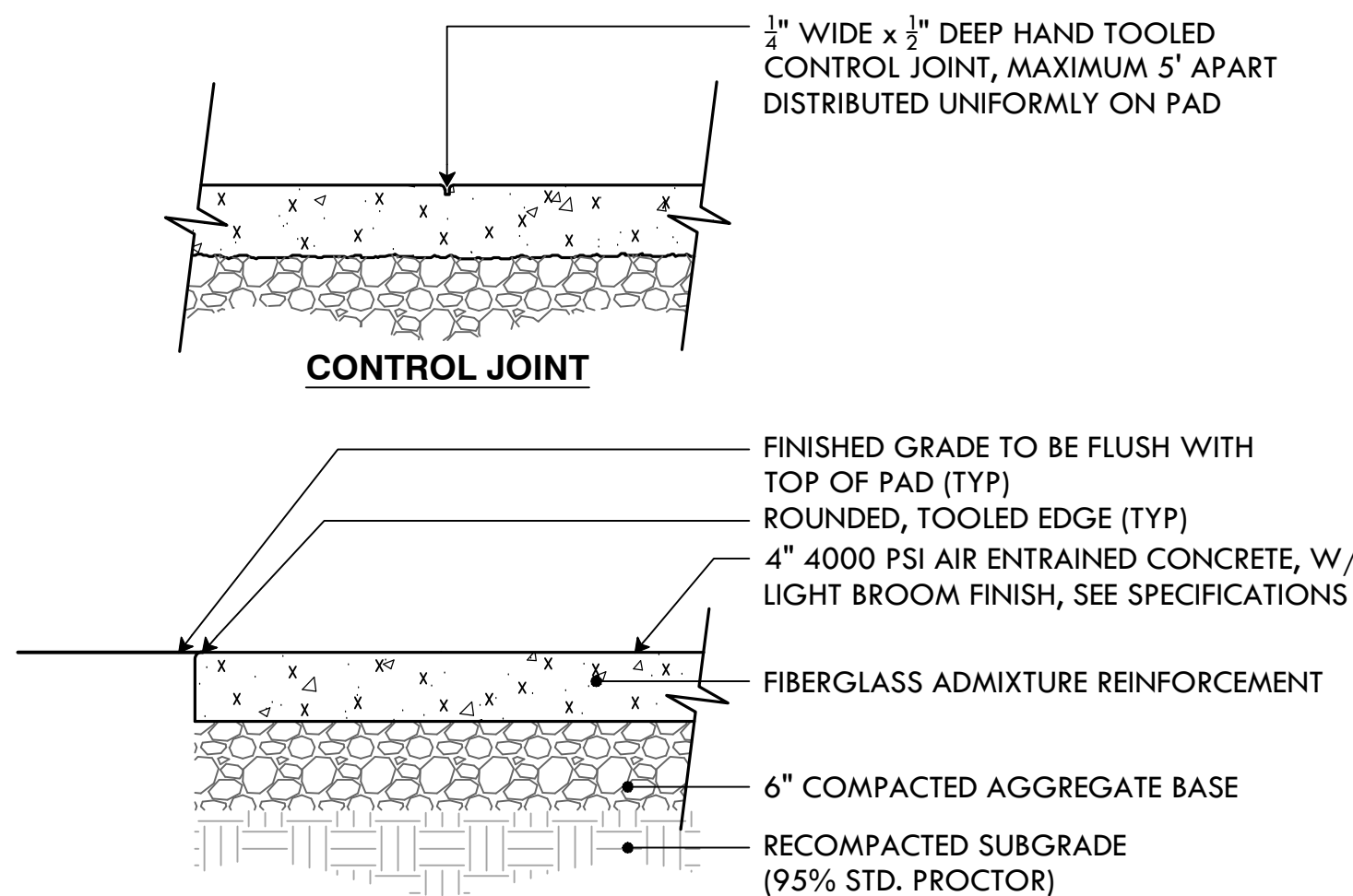
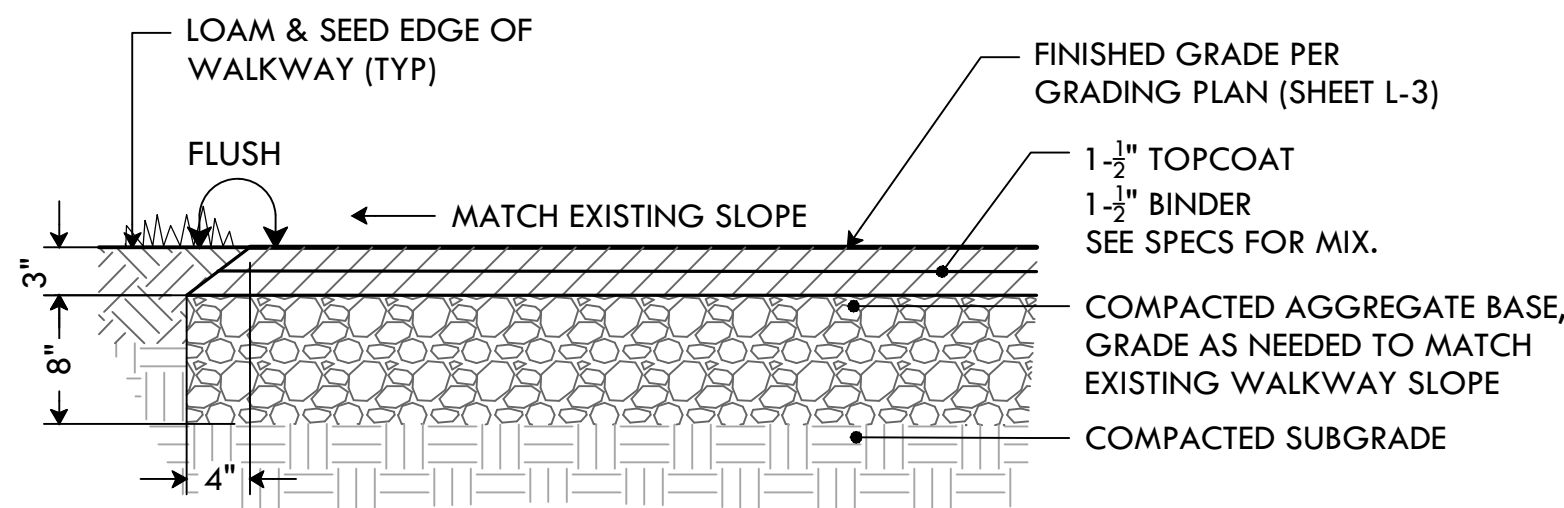


- NOTES:
1. DISTURBED AREAS SHALL NOT EXTEND BEYOND THE SAWCUT.
  2. CLEAN SAWED JOINTS WITH COMPRESSED AIR
  3. APPLY JOINT SEAL MATERIAL FILLING FROM THE BOTTOM UP
  4. THE HOT-SEAL MATERIAL SHALL COMPLETELY FILL THE SAWCUT SUCH THAT AFTER COOLING THE LEVEL OF THE SEALER WILL NOT BE GREATER 1/8" BELOW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

3 SILT SOCK/COMPOST FILTER SOCK EROSION CONTROL  
NTS

4 TREE PROTECTION DEVICES  
NTS

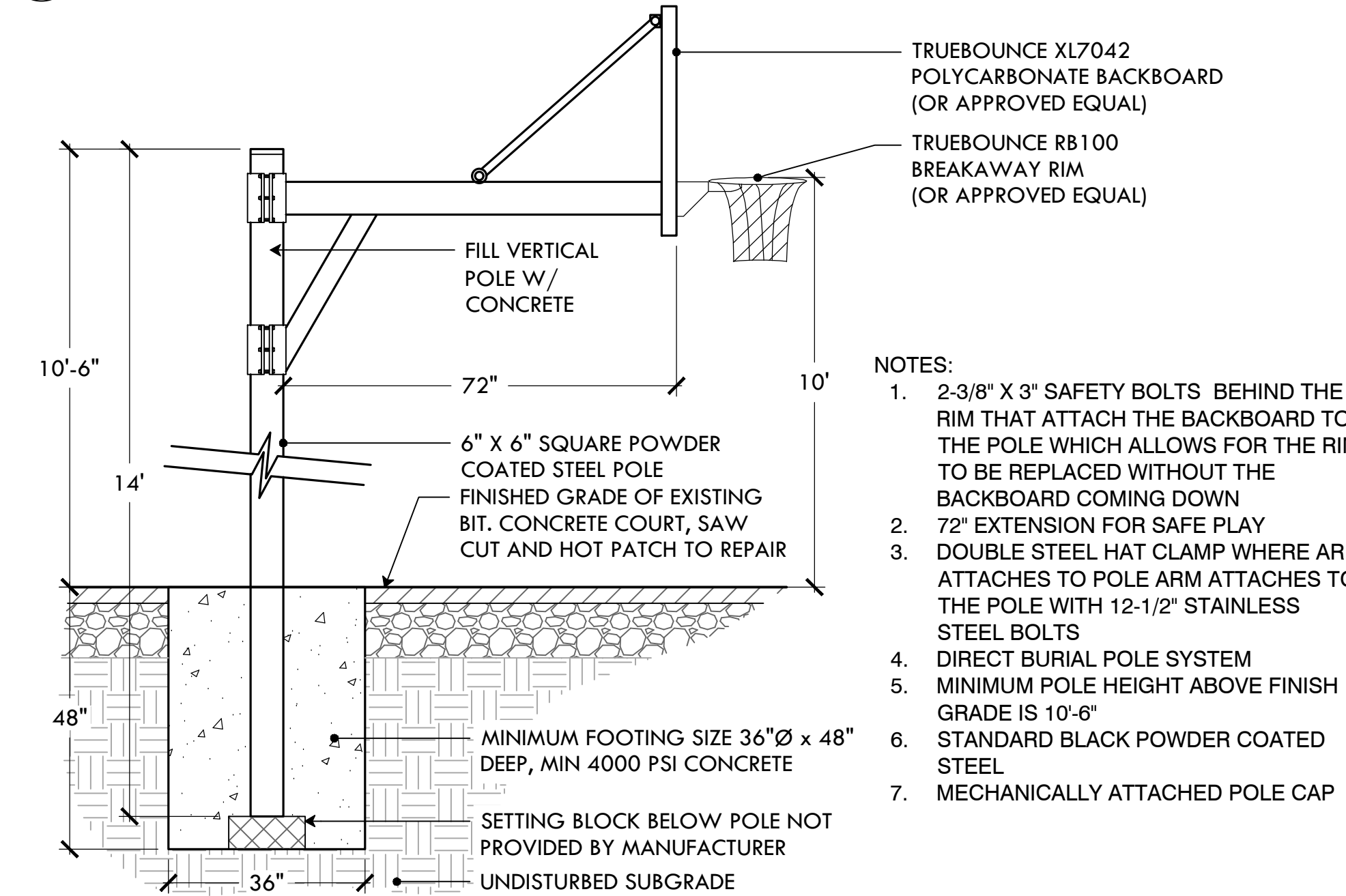
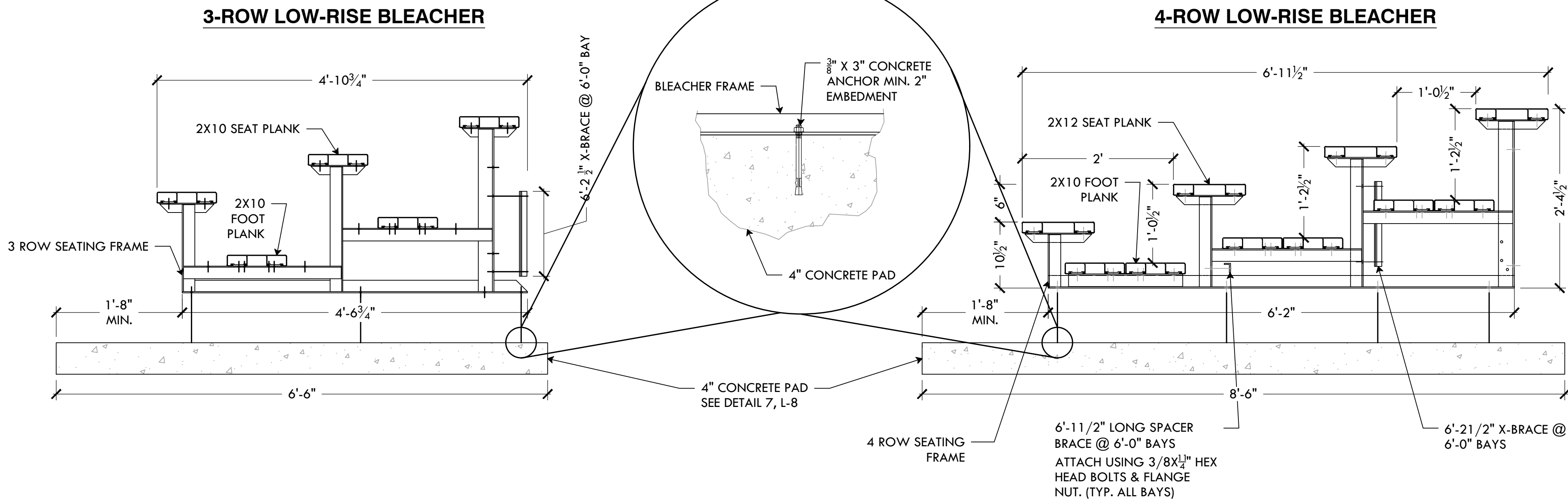
5 ASPHALT SAW CUT  
NTS



3 ASPHALT PAVEMENT  
NTS


4 CONCRETE PAD  
NTS

12 VEHICULAR BARRIER GATE  
NTS




15L LOW-RISE BLEACHER  
NTS

TRUEBOUNCE BASKETBALL POLE, BACKBOARD, AND RIM  
NTS



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DALRYMPLE BOATHOUSE  
ROGER WILLIAMS PARK  
PROVIDENCE, RI 02905



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**PROJECT:**  
**Site Improvements at Gano Street Park**  
**87 Fremont Street**  
Providence, RI 02906

**REVISIONS:**

Date	Issued For:
-	-
-	-
-	-

**NORTH ARROW**

**SCALE**

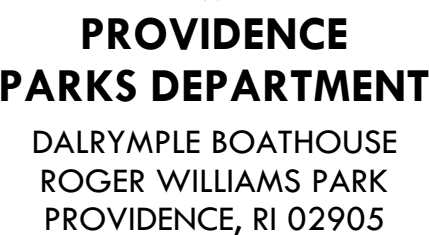
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DATE ISSUED: 11/4/2024  
PROJECT NO: GSPK.24.01  
DRAWN BY: SH, II  
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**SHEET TITLE**  
**Construction Details 1**

**L-8**  
8 OF 17

FILE: GSPK.24-PHASE 1 PLANS.dwg





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**PROJECT:**

## Site Improvements at Gano Street Park

**37 Fremont Street**  
Providence, RI 02906

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1	2	3
4	5	6
7	8	9

## NORTH ARROW

## SCALE

## DRAWING INFO

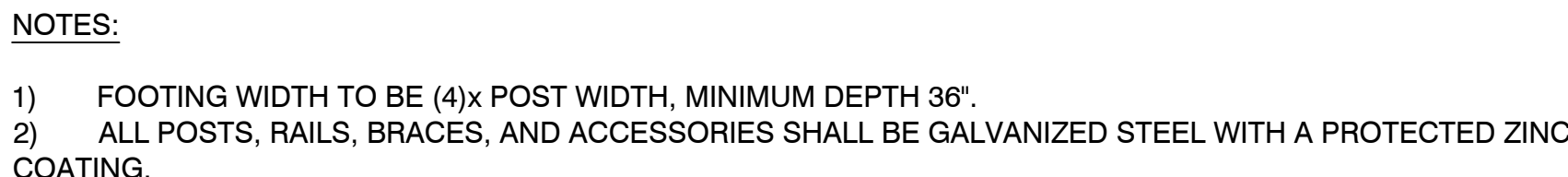
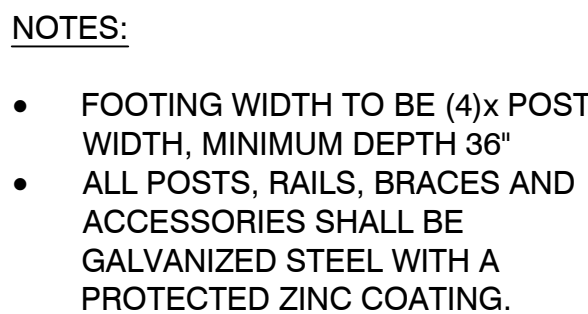
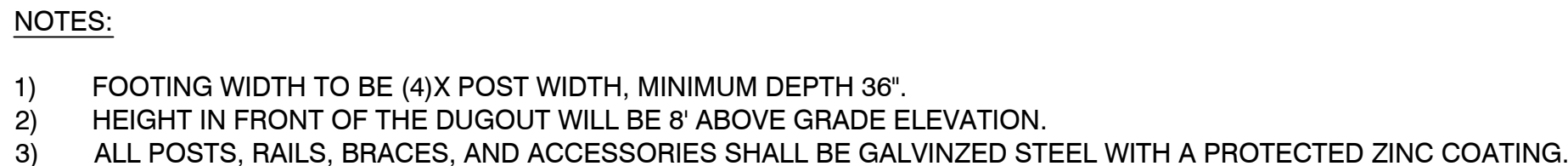
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**SHEET TITLE**

## Construction Details 2

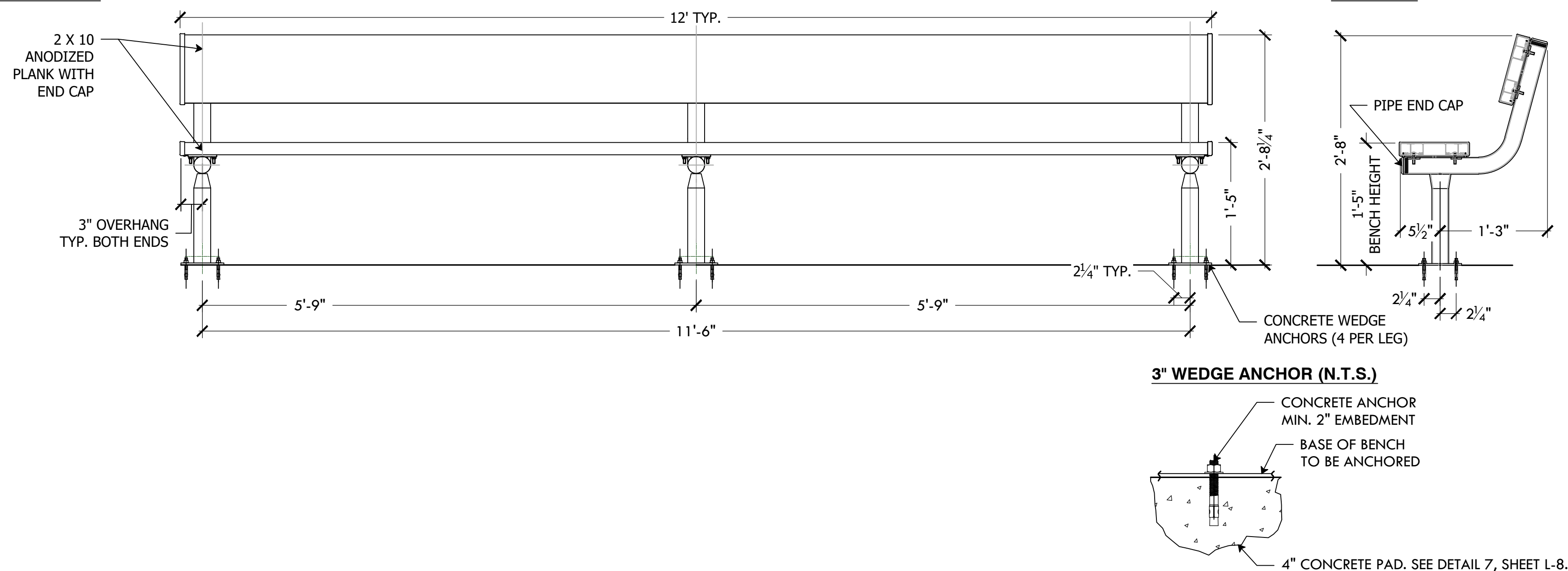
**L-9**

9 OF 17

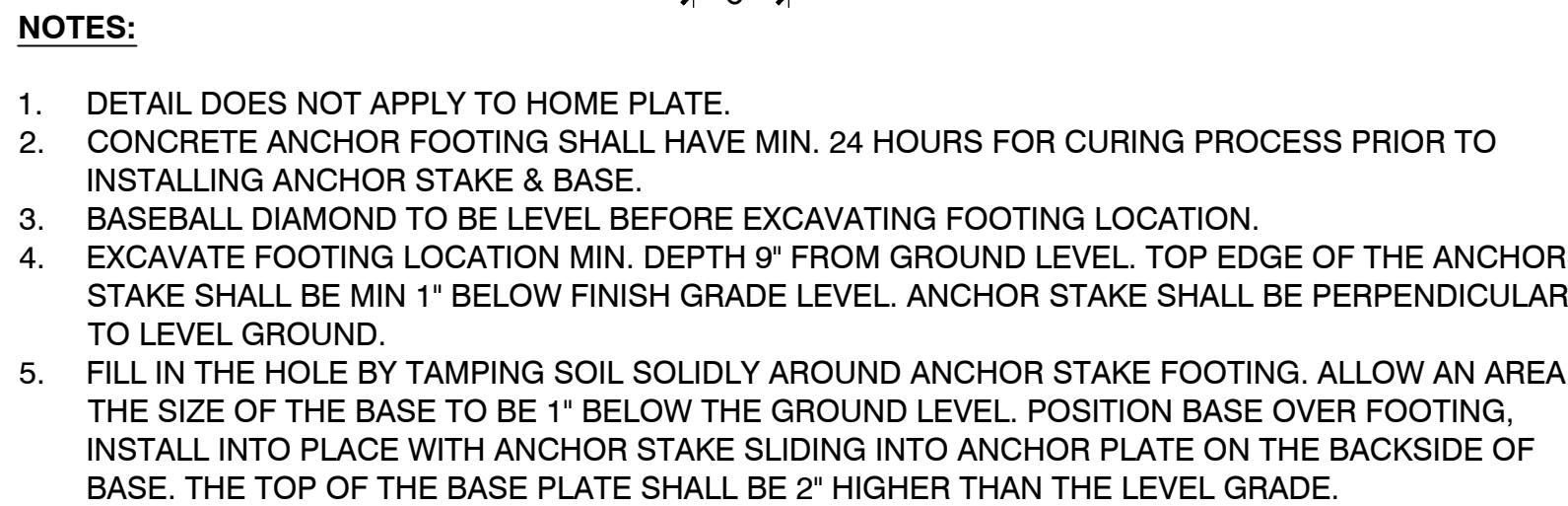


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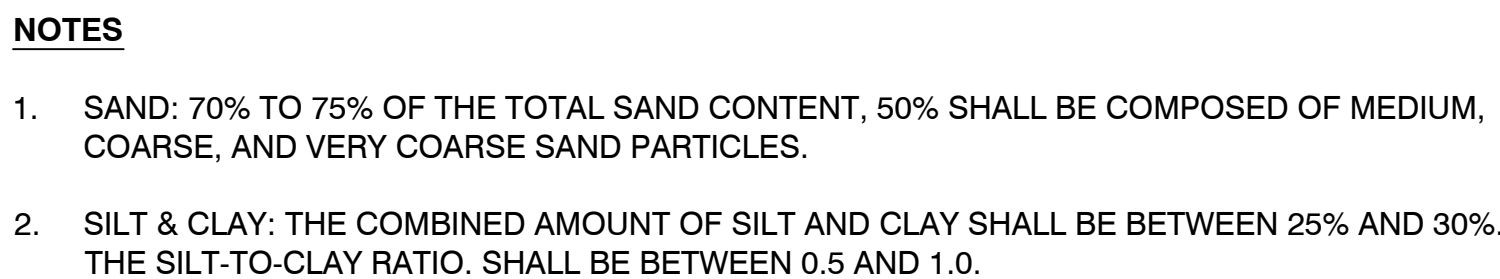
**FRONT VIEW**



## NTS



## NTS



## NTS

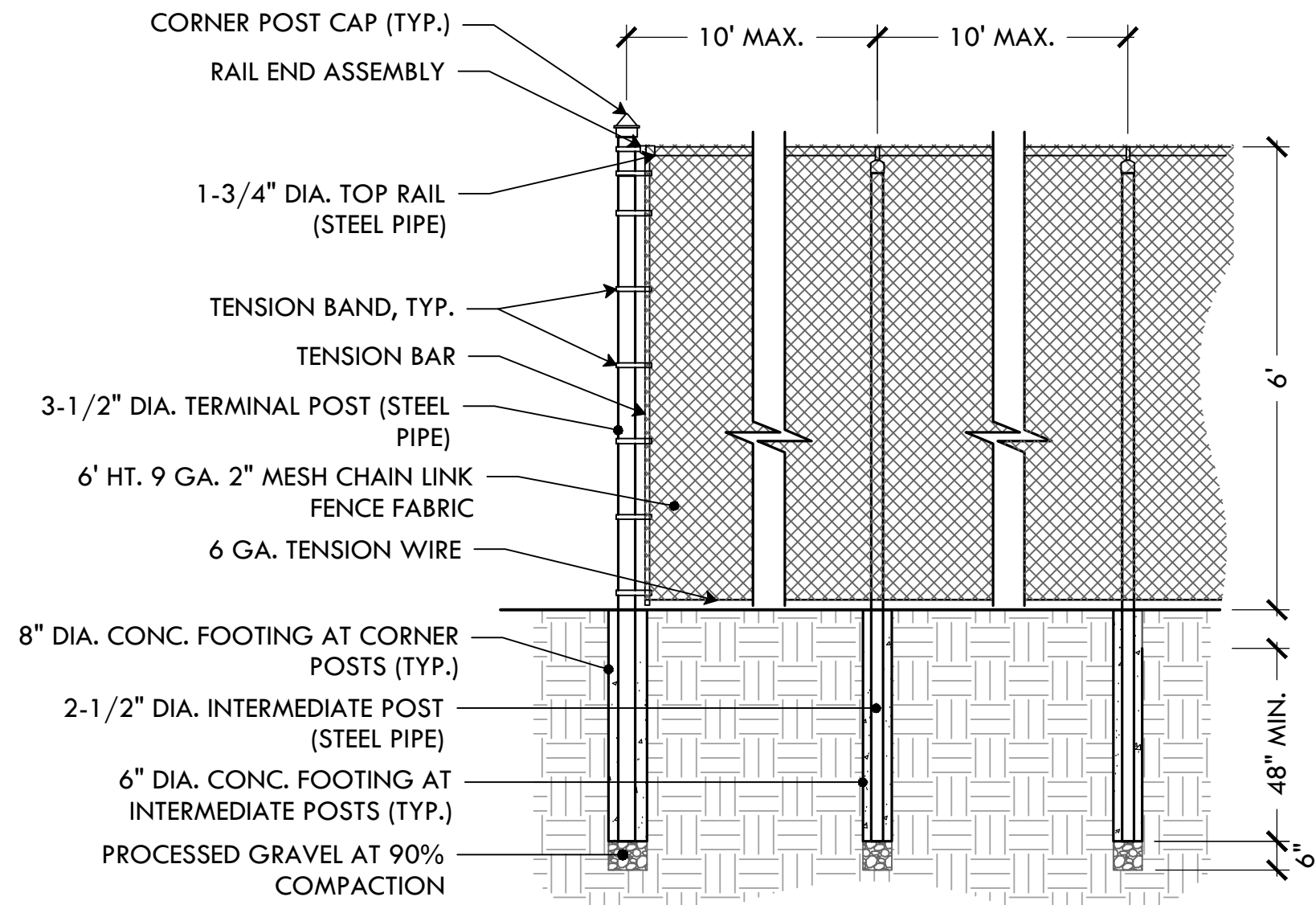
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## NTS



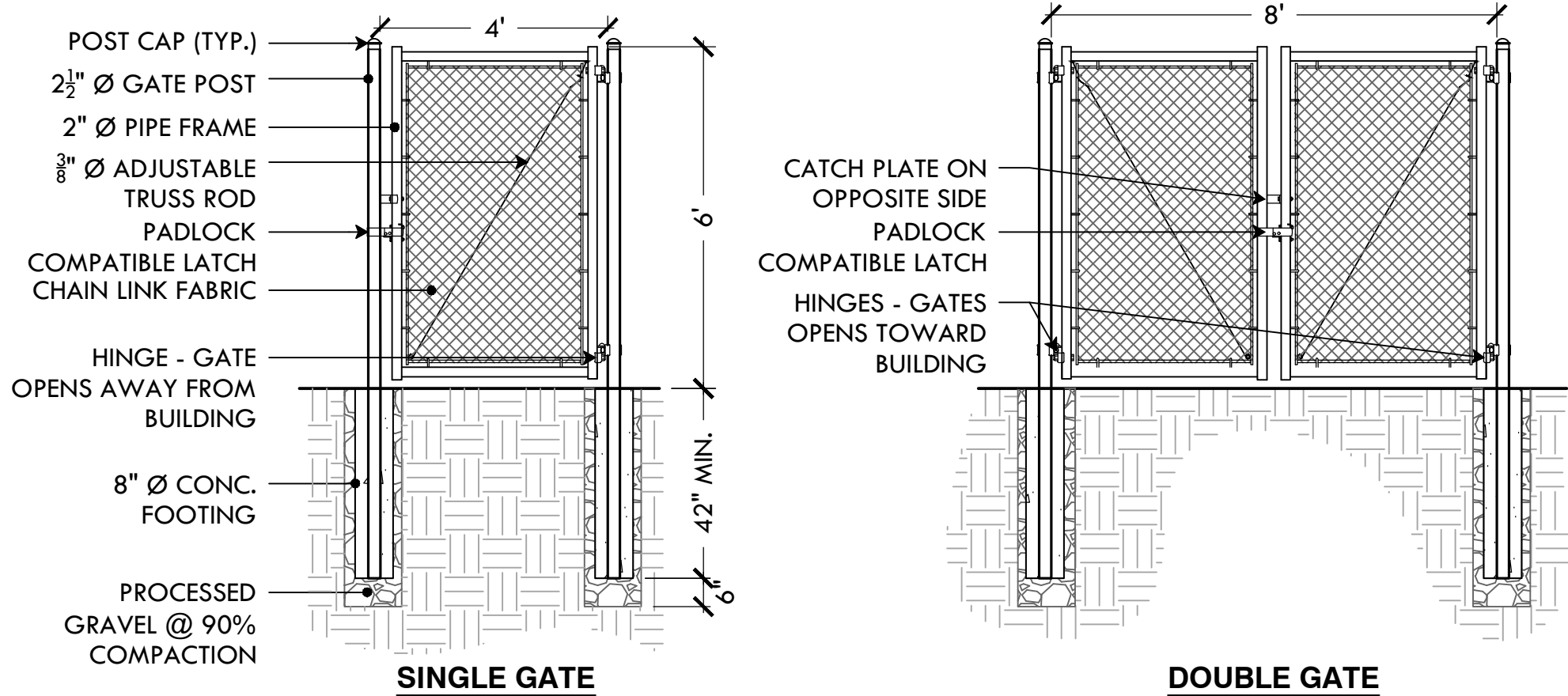






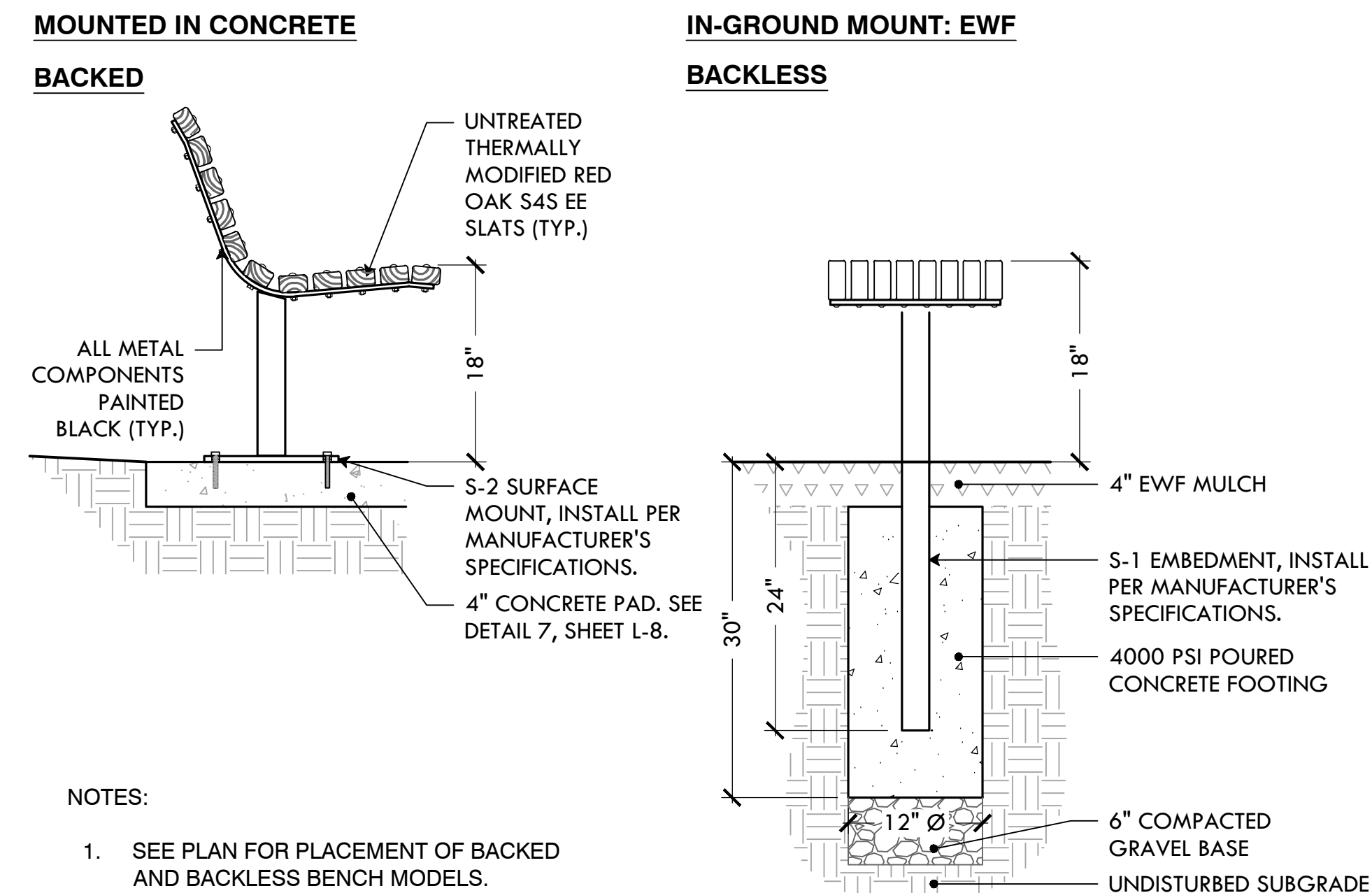
- NOTES:
1. FENCING TO BE TIED TO TOP RAILS & LINE POSTS W/ 9GA. WIRE SPACED AT 12"
  2. BRACE ALL CORNERS & TERMINAL POSTS W/ 1-3/4\" DIA. STEEL PIPE AND APPROPRIATE FASTENERS
  3. ALL FENCE ELEMENTS SHALL BE OF STEEL CONSTRUCTION

21 6' HT. CHAIN LINK FENCE  
NTS



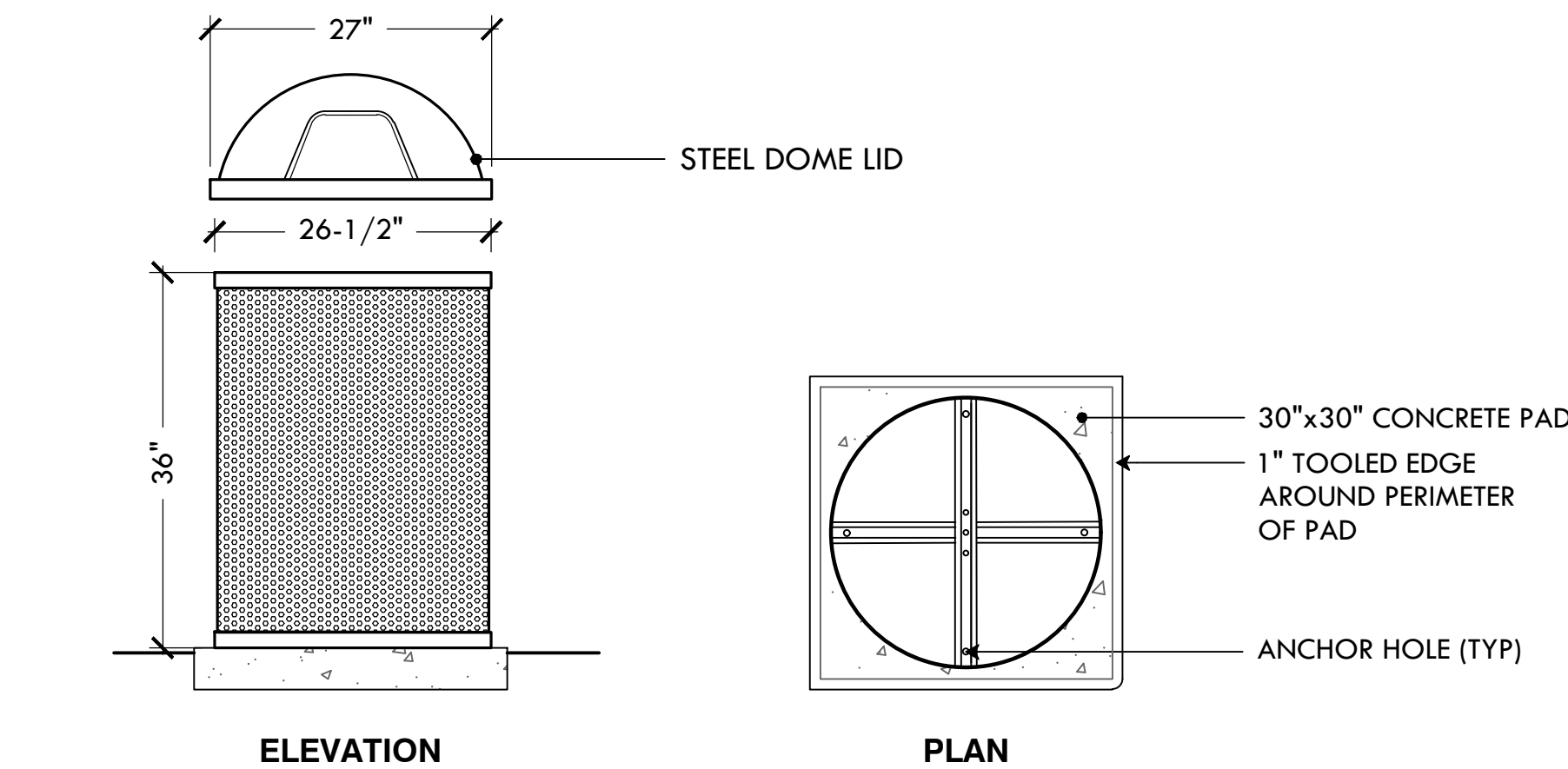
- NOTES:
1. SEE DETAIL 7, SHEET L-8 FOR CONCRETE PAD.
  2. UNIT SHOULD BE SECURED TO CONCRETE PAD USING THE FOUR (4) ANCHOR HOLES.
  3. MODEL#: CN-R/R-55: PILOT ROCK 55 GAL. ROUND PERFORATED STEEL TRASH RECEPTACLE. COLOR: BLACK, MATERIAL: STEEL.  
MODEL#: CN-2755: PILOT ROCK 27\" O.D. DOME LID. COLOR: 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.

24 4' WIDE CHAIN LINK GATE  
NTS

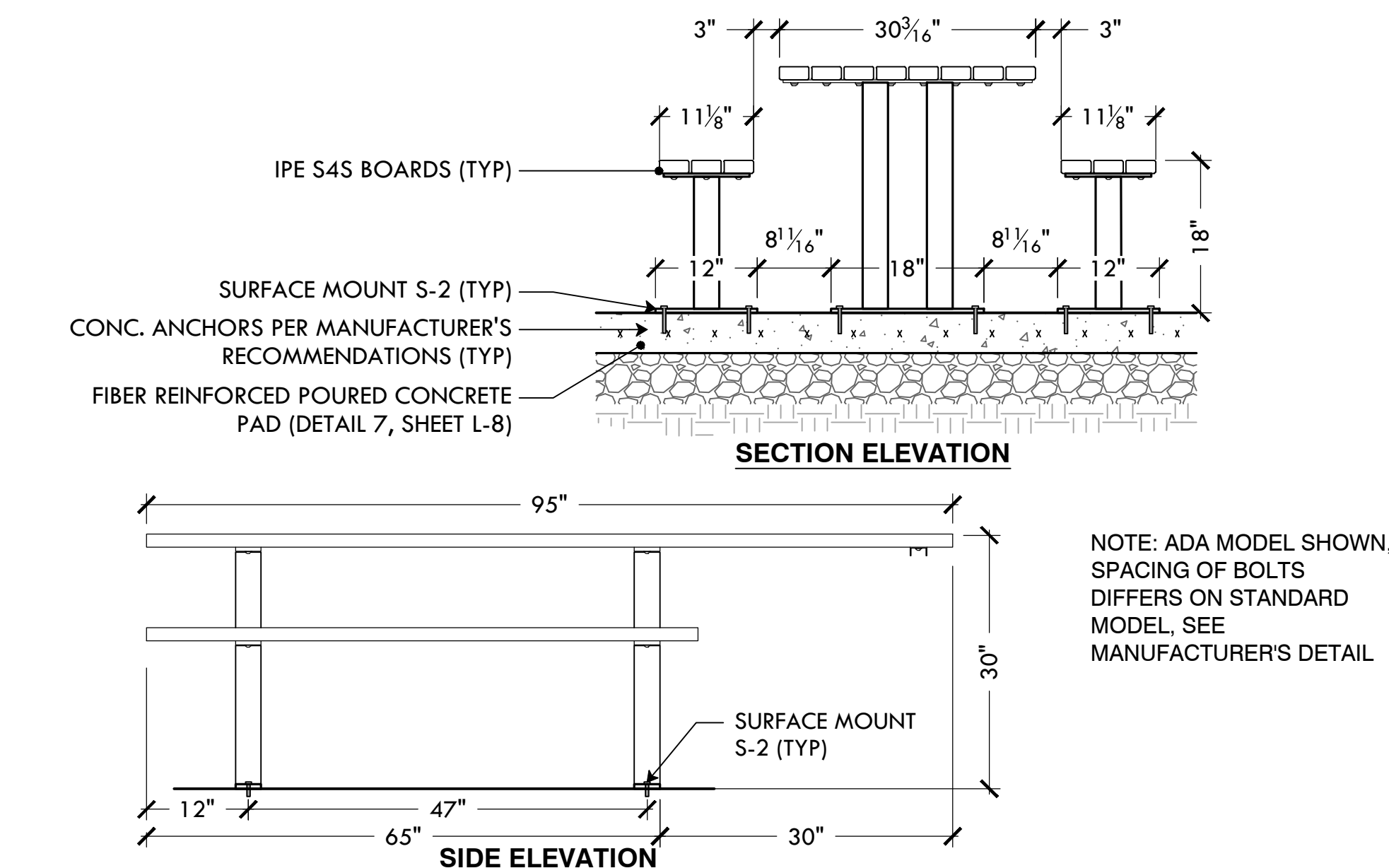


27 ADD ALT #5: 6' BACKLESS BENCH ON CONC. PAD  
NTS

22 12' WIDE CHAIN LINK SERVICE GATE  
NTS

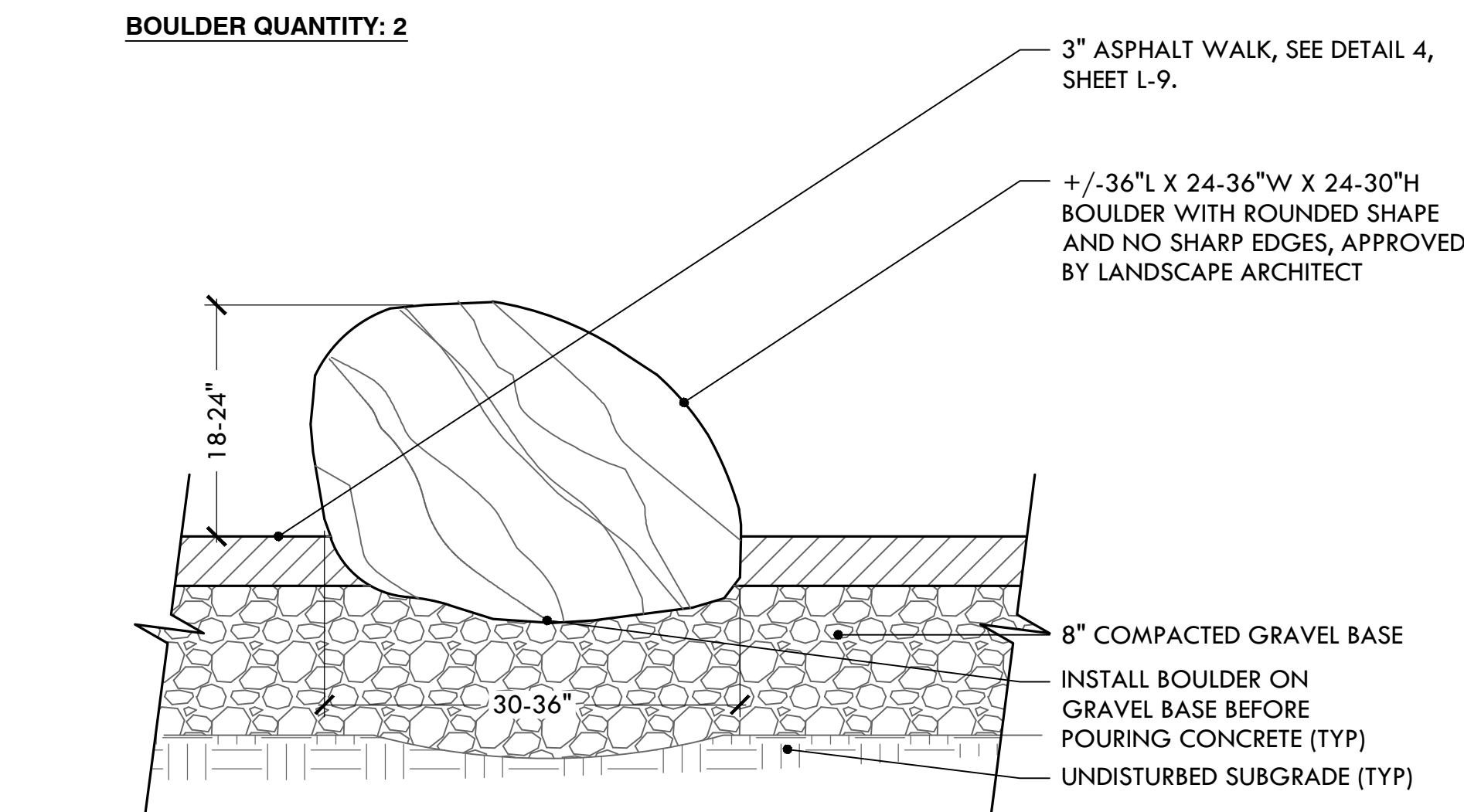


25 ADD ALT #1: 55-GAL TRASH RECEPTACLE  
NTS

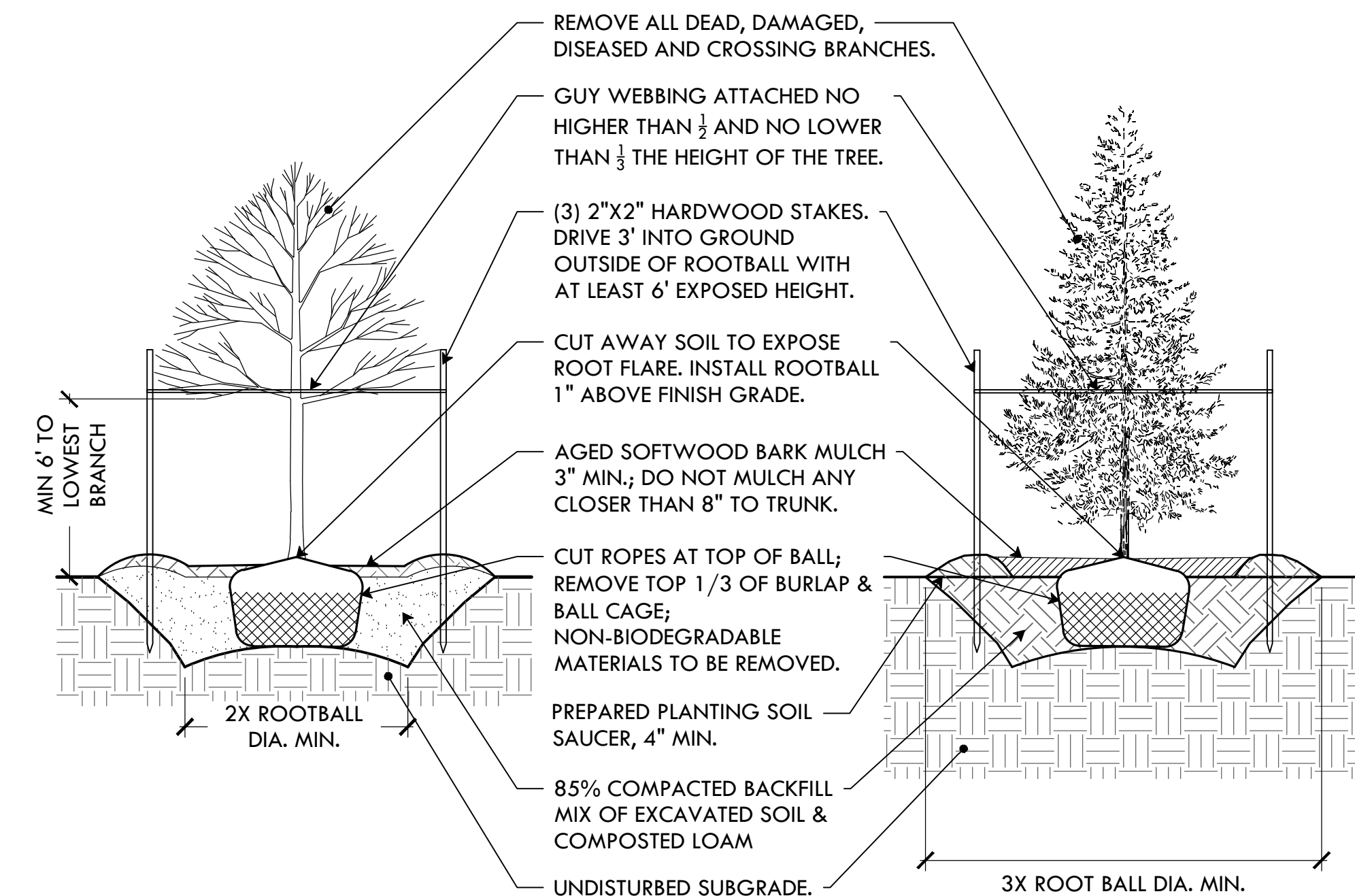


28 ADD ALT #6: 6' PICNIC TABLE & 8' ADA PICNIC TABLE ON CONC. PAD  
NTS

23 12' HT. CHAIN LINK FENCE  
NTS



26 ADD ALT #4: LANDSCAPE BOULDERS IN ASPHALT  
NTS



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



**PROVIDENCE  
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PROJECT:

**Site Improvements at  
Gano Street Park**

**87 Fremont Street  
Providence, RI 02906**

REVISIONS:

Date	Issued For:
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-	-
-	-

NORTH ARROW

SCALE

DRAWING INFO

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PROJECT NO: **GSPK.24.01**  
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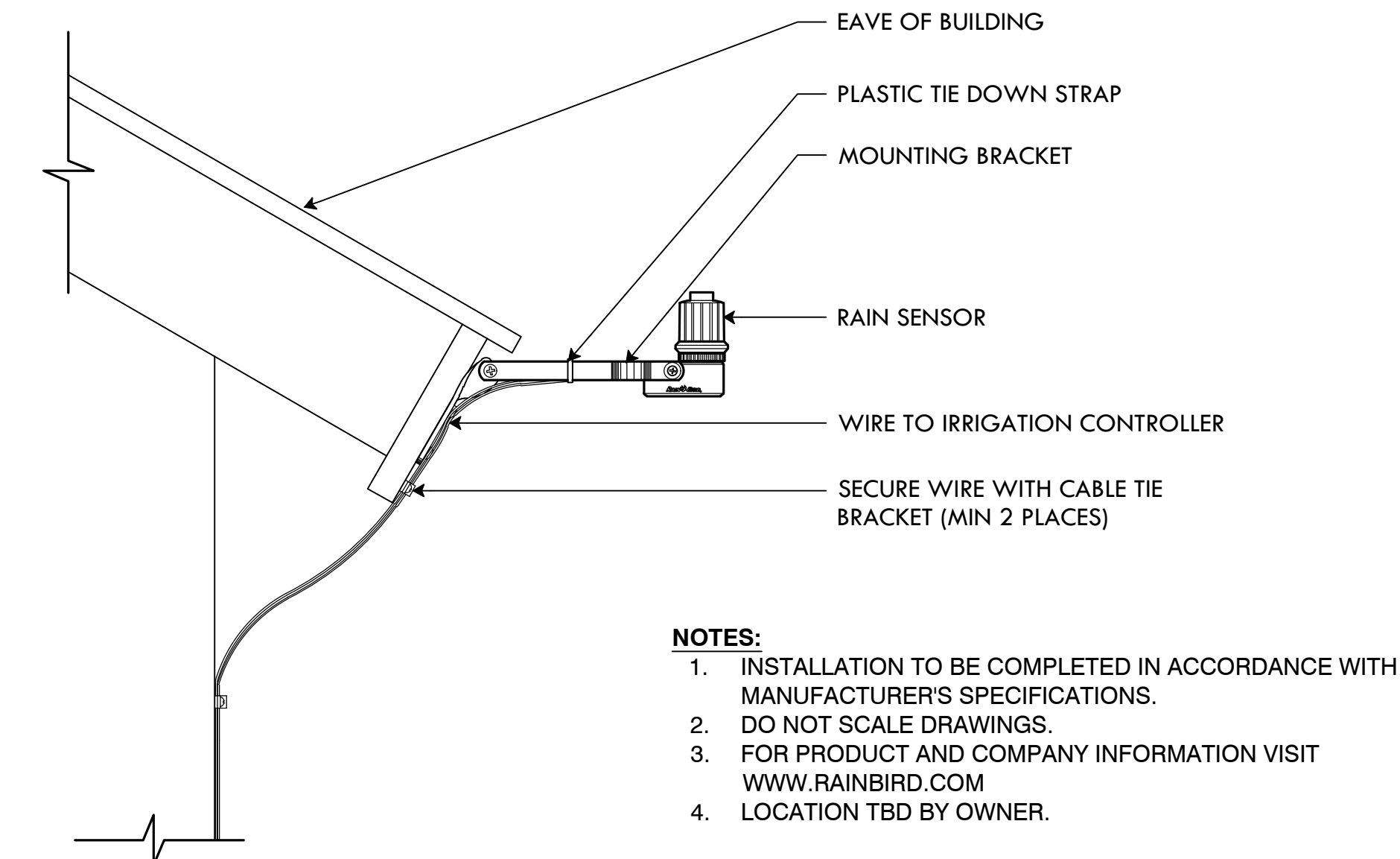
SHEET TITLE

**Construction  
Details 4**

**L-11**

11 OF 17

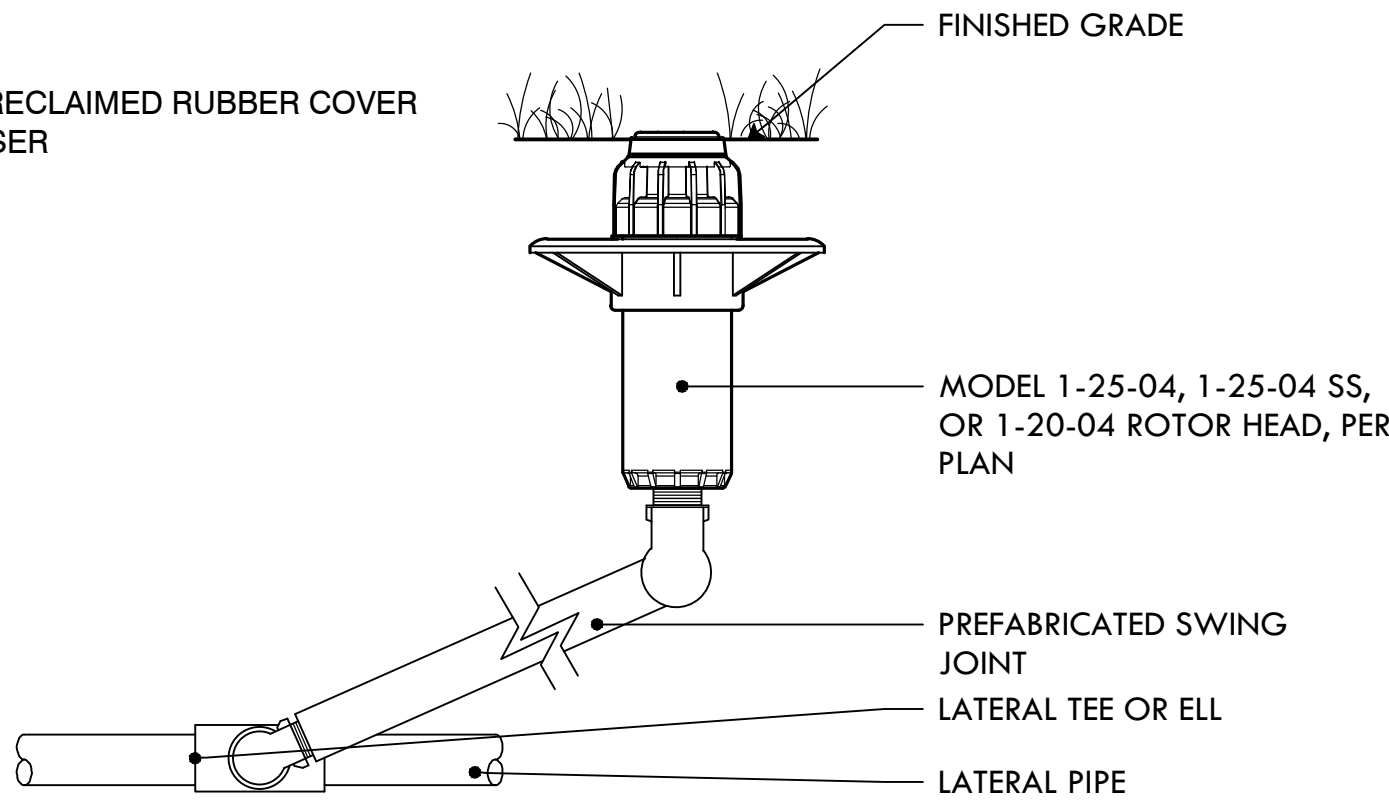




30 RAINBIRD WIRELESS SENSOR  
NTS

**OPTIONS:**

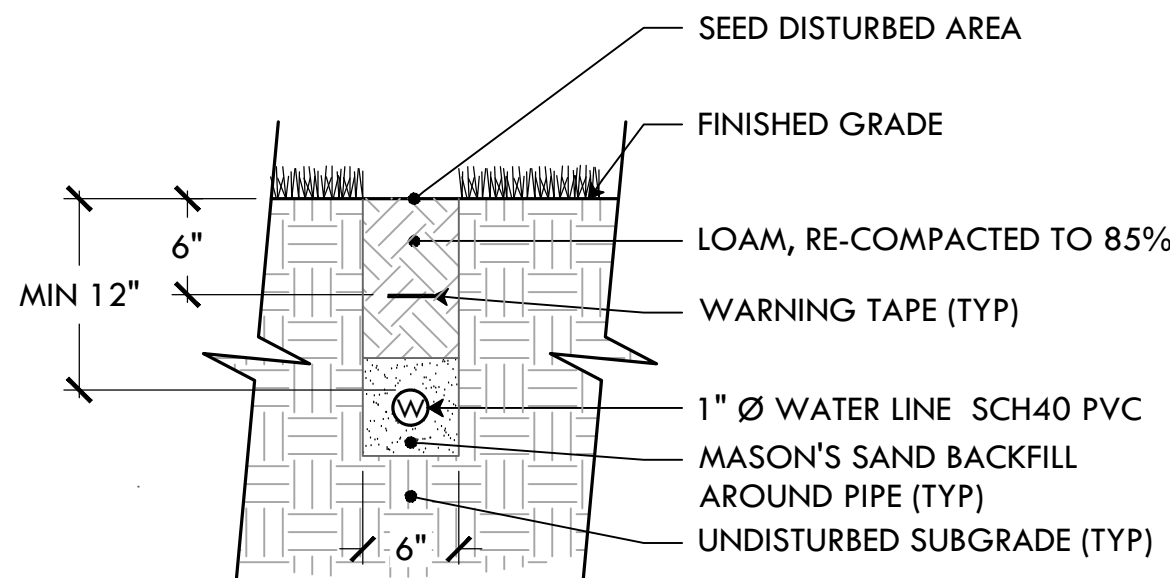
- ☒ R=FACTORY INSTALLED RECLAIMED RUBBER COVER  
☐ SS=STAINLESS STEEL RISER  
PER PLAN



**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](http://WWW.HUNTERINDUSTRIES.COM)

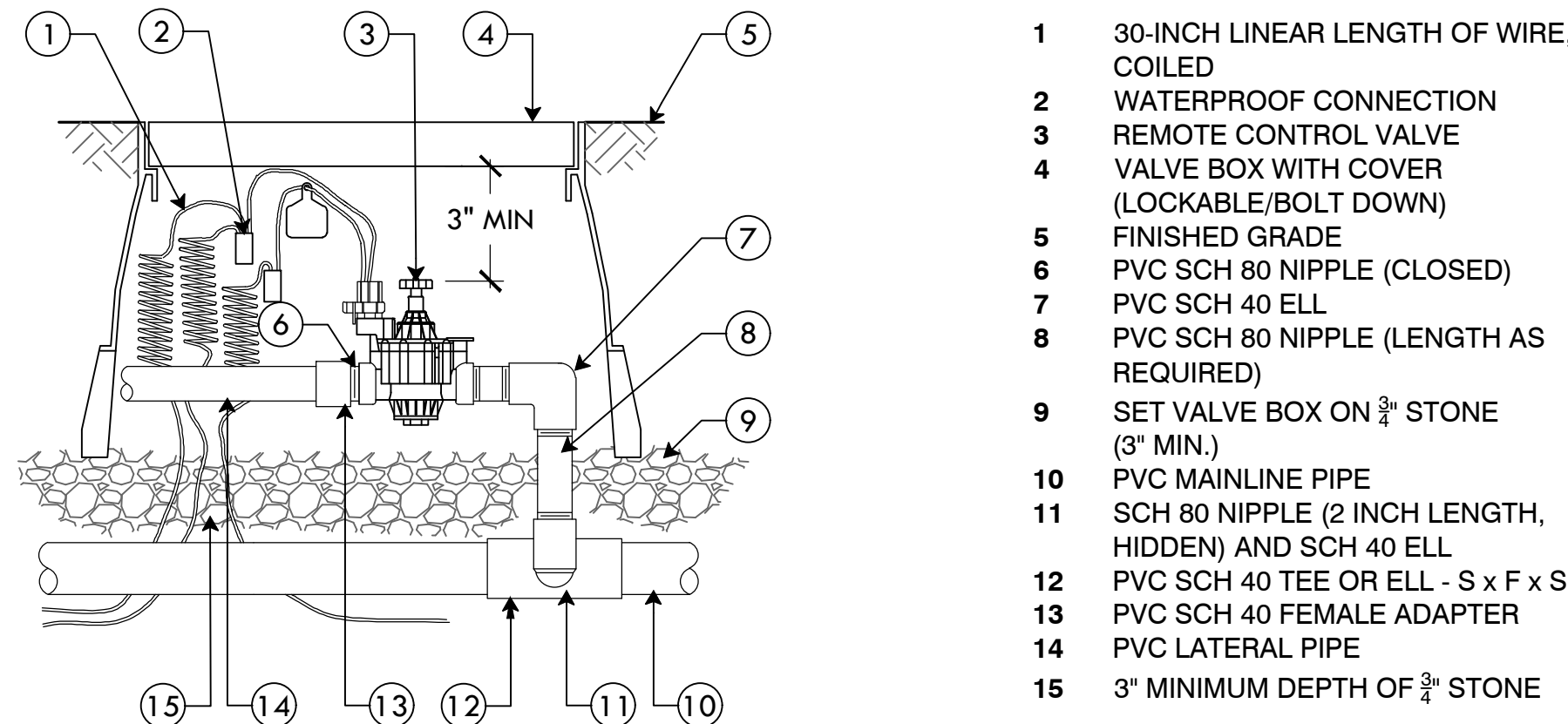
33 HUNTER ROTOR  
NTS



**CROSS SECTION**

\*NOTE: IRRIGATION CONDUIT ONLY AS NEEDED

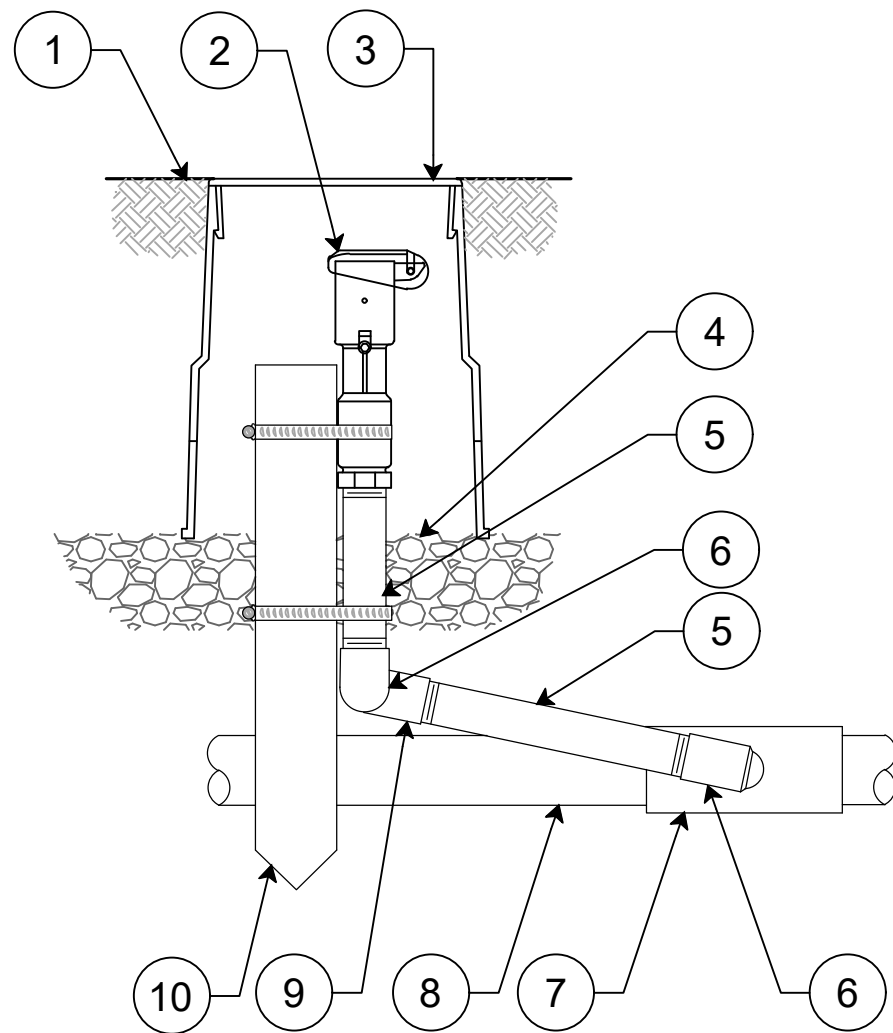
36 IRRIGATION CONDUIT  
NTS



**NOTES:**

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2. DO NOT SCALE DRAWINGS.
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4. FOR PRODUCT AND COMPANY INFORMATION VISIT [WWW.RAINBIRD.COM](http://WWW.RAINBIRD.COM)

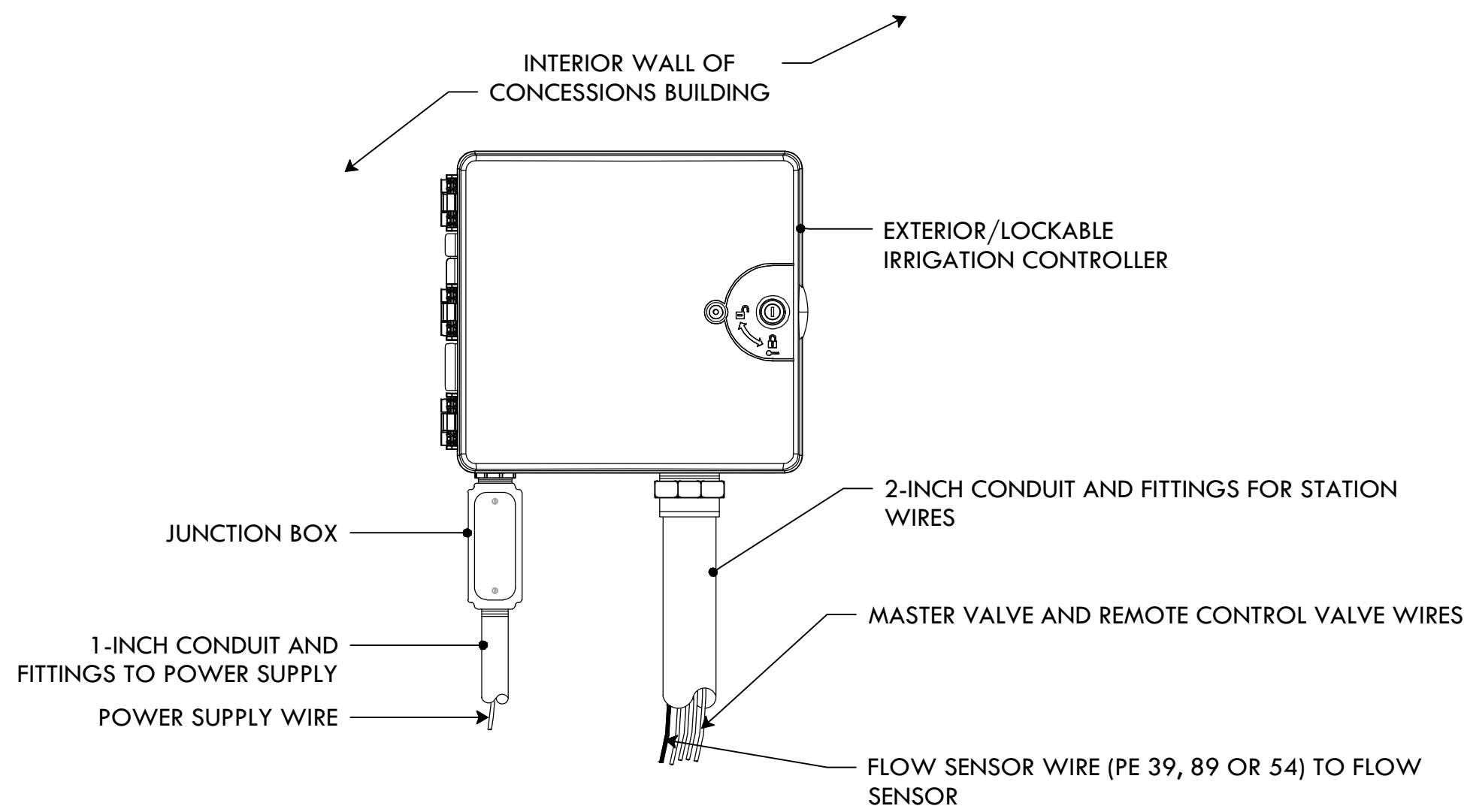
31 RAINBIRD REMOTE CONTROL VALVE  
NTS



**NOTE:**

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

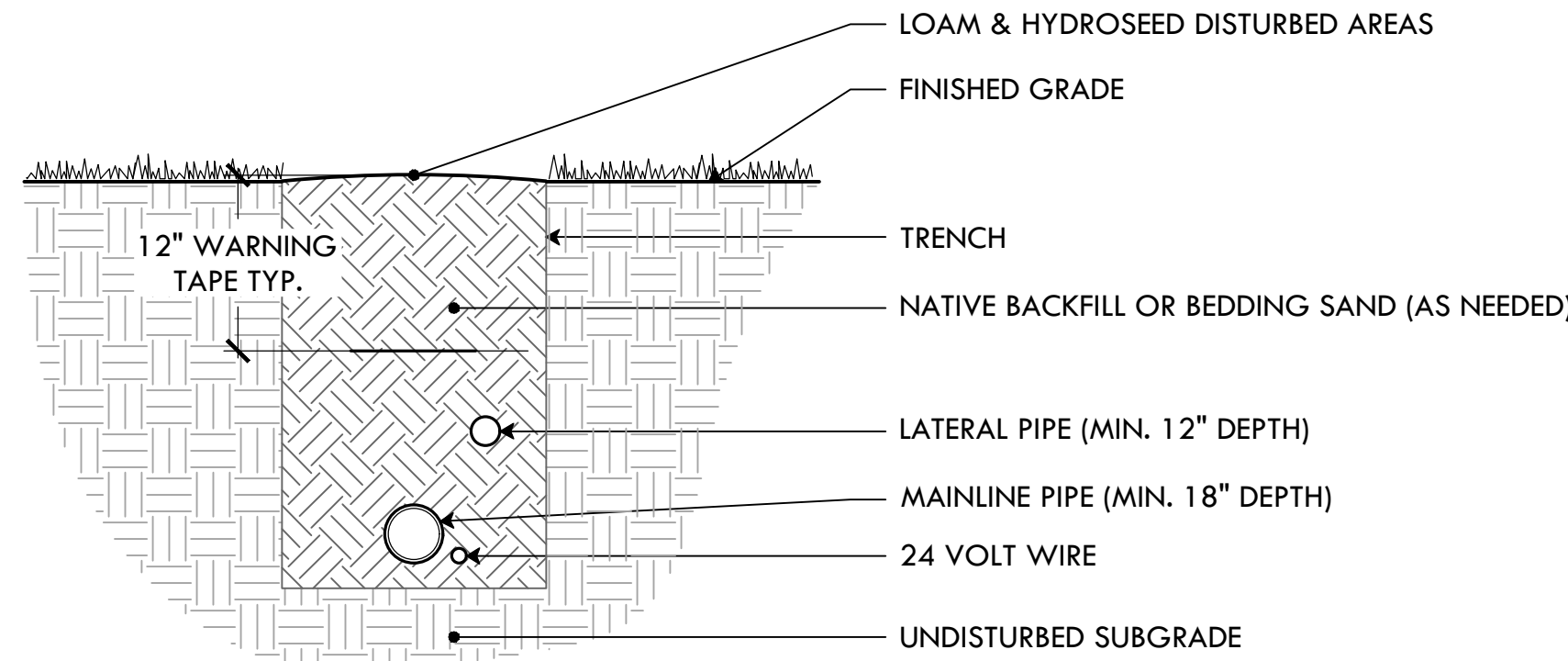
34 RAINBIRD QUICK COUPLING VALVE  
NTS



**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](http://WWW.RAINBIRD.COM)

32 IRRIGATION (EXTERIOR) CONTROLLER  
NTS



**NOTES:**

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

35 TRENCH AND WIRE  
NTS



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



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**STAMP**

**PROJECT:**

**Site Improvements at  
Gano Street Park**

**87 Fremont Street  
Providence, RI 02906**

**REVISIONS:**

Date	Issued For:
- - -	- - -
- - -	- - -
- - -	- - -

**NORTH ARROW**

**SCALE**

**DRAWING INFO**

DATE ISSUED: 11/4/2024  
PROJECT NO: **GSPK.24.01**  
DRAWN BY: **SH, II**  
CHECKED BY: **SG, MG**

**SHEET TITLE**

**Irrigation  
Details**

**L-12**

12 OF 17



Gano Park Baseball  
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
A3-A4	60'	60'	1	TLC-LED-1200	1.17 kW	B
		60'	2	TLC-LED-900	1.76 kW	B
		16'	1	TLC-BT-575	0.57 kW	B
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
B3-B4	60'	60'	4	TLC-LED-1200	4.68 kW	B
		16'	1	TLC-BT-575	0.57 kW	B
8			36		35.52 kW	

Circuit Summary			
Circuit	Description	Load	Fixture Qty
A	Baseball 1	18.00 kW	18
B	Baseball 2	17.52 kW	18

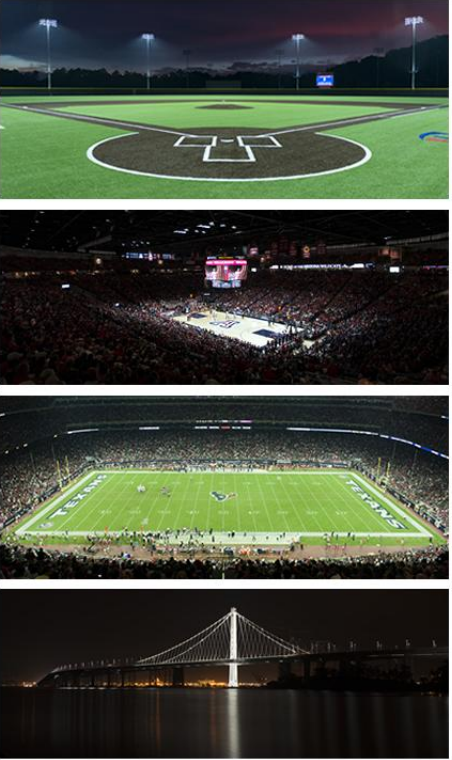
Fixture Type Summary							
Type	Source	Wattage	Lumens	L90	L80	L70	Quantity
TLC-BT-575	LED 5700K - 75 CRI	575W	52,000	>120,000	>120,000	>120,000	8
TLC-LED-1200	LED 5700K - 75 CRI	1170W	150,000	>120,000	>120,000	>120,000	18
TLC-LED-1500	LED 5700K - 75 CRI	1410W	181,000	>120,000	>120,000	>120,000	2
TLC-LED-900	LED 5700K - 75 CRI	880W	104,000	>120,000	>120,000	>120,000	8

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

Light Level Summary

Calculation Grid Summary								
Grid Name	Calculation Metric	Illumination					Circuits	Fixture Qty
		Ave	Min	Max	Max/Min	Ave/Min		
150ft Spill Line	Horizontal Illuminance	0.0201	0.00	0.06	-	-	A,B	36
150ft Spill Line	Max Vertical Illuminance Metric	0.0750	0.00	0.21	-	-	A,B	36
150ft Spill Line (Cd)	Max Candela Metric	2465.9927	0.04	7236.76	195144.203	66497.180	A,B	36
Baseball 1 (Infield)	Horizontal Illuminance	50.89	32	59	1.87	1.61	A	18
Baseball 1 (Outfield)	Horizontal Illuminance	31.81	20	44	2.20	1.60	A	18
Baseball 2 (Infield)	Horizontal Illuminance	50.40	33	62	1.91	1.54	B	18
Baseball 2 (Outfield)	Horizontal Illuminance	31.19	19	44	2.33	1.66	B	18
Bullpen	Horizontal	13.11	6	24	3.80	2.06	B	18

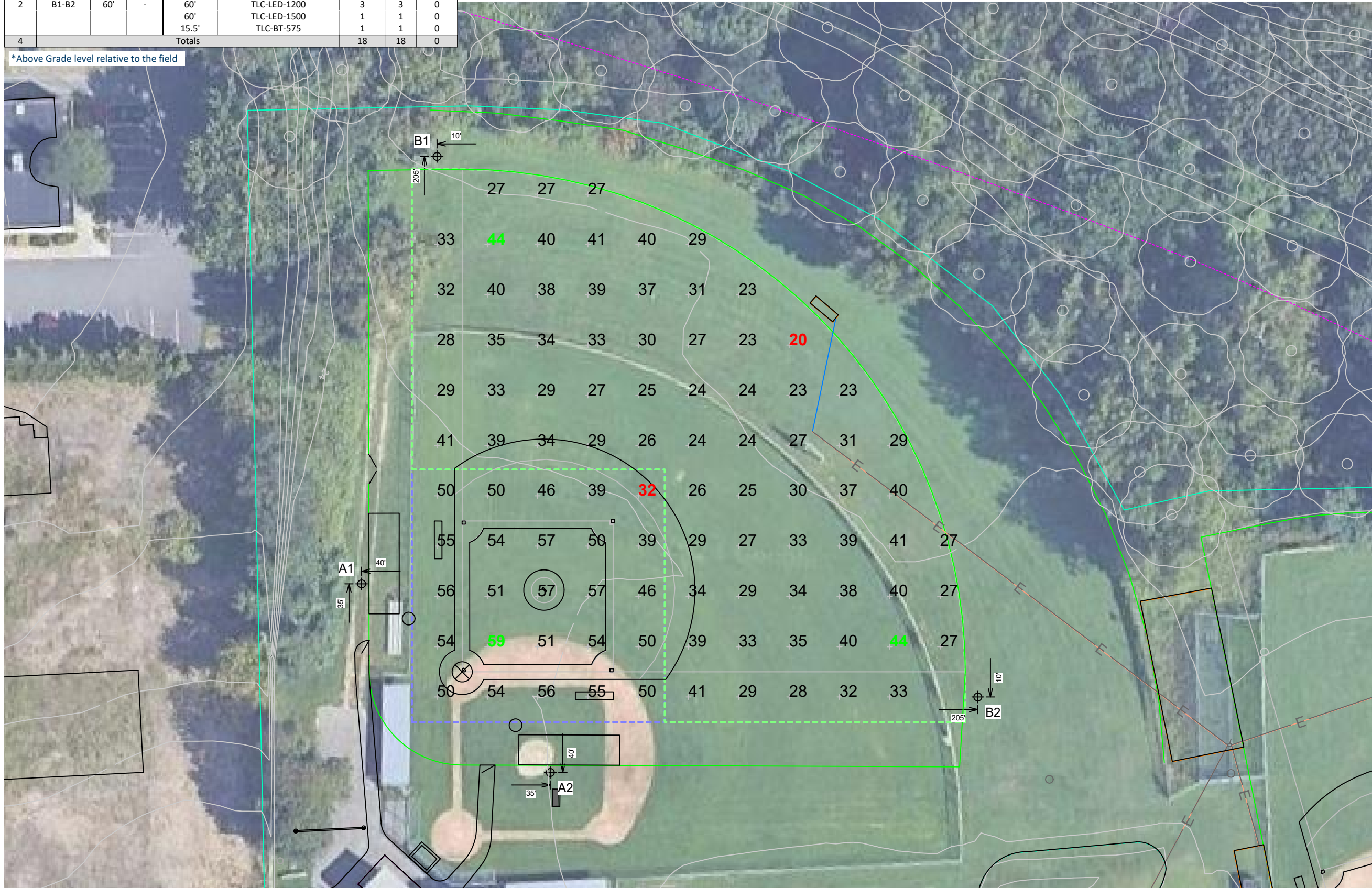
From Hometown to Professional





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 Baseball

Providence, RI

Grid Summary	
Name	Baseball 1
Size	200'/200'/200' - basepath 60'
Spacing	20.0' x 20.0'
Height	3.0' above grade

	MAINTAINED HORIZONTAL FOOTCANDLES	
	Infield	Outfield
Guaranteed Average	50	30
Scan Average	50.89	31.81
Maximum	59	44
Minimum	32	20
Avg/Min	1.61	1.60
Guaranteed Max/Min	2	2.5
Max/Min	1.87	2.20
UG (adjacent pts)	1.30	1.65
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.



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## ILLUMINATION SUMMARY



Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	A3-A4	60'	-	60'	TLC-LED-1200	1	1	0
				60'	TLC-LED-900	2	2	0
				15.5'	TLC-BT-575	1	1	0
2	B3-B4	60'	-	60'	TLC-LED-1200	4	4	0
				15.5'	TLC-BT-575	1	1	0
4	Totals					18	18	0

\*Above Grade level relative to the field



# Gano Park Baseball

Providence, RI

Grid Summary	
Name	Baseball 2
Size	200'/200'/194' - basepath 60'
Spacing	20.0' x 20.0'
Height	3.0' above grade

	MAINTAINED HORIZONTAL FOOTCANDLES	
	Infield	Outfield
Guaranteed Average	50	30
Scan Average	50.40	31.19
Maximum	62	44
Minimum	33	19
Avg/Min	1.54	1.66
Guaranteed Max/Min	2	2.5
Max/Min	1.91	2.33
UG (adjacent pts)	1.28	1.51
CU	0.67	
No. of Points	25	70
LUMINAIRE INFORMATION		
Applied Circuits	B	
No. of Luminaires	18	
Total Load	17.52 kW	

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

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## ILLUMINATION SUMMARY



Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	A3-A4	60'	-	60'	TLC-LED-1200	1	1	0
				60'	TLC-LED-900	2	2	0
				15.5'	TLC-BT-575	1	1	0
2	B3-B4	60'	-	60'	TLC-LED-1200	4	4	0
				15.5'	TLC-BT-575	1	1	0
4	Totals					18	18	0

\*Above Grade level relative to the field



# Gano Park Baseball

Providence, RI

Grid Summary	
Name	Bulpen
Size	200'/200'/194' - basepath 60'
Spacing	10.0' x 10.0'
Height	3.0' above grade

Illumination Summary	
	MAINTAINED HORIZONTAL FOOTCANDLES
	Entire Grid
Scan Average	13.11
Maximum	24
Minimum	6
Avg/Min	2.06
Max/Min	3.80
UG (adjacent pts)	1.88
CU	0.01
No. of Points	21
LUMINAIRE INFORMATION	
Applied Circuits	B
No. of Luminaires	18
Total Load	17.52 kW

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Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
4	A1-A4	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
2	B3-B4	60'	-	60'	TLC-LED-1200	4	4	0
				15.5'	TLC-BT-575	1	1	0
8	Totals					36	36	0

\*Above Grade level relative to the field





SCALE IN FEET 1 : 100

0'

100'

200'

ENGINEERED DESIGN

By: Z.Morris • File #237520C • 20-Sep-24

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

# Gano Park Baseball

Providence, RI

Grid Summary	
Name	150ft Spill Line
Spacing	30.0' x 30.0'
Height	3.0' above grade

Illumination Summary	
MAINTAINED HORIZONTAL FOOTCANDLES	
Scan Average	0.0201
Maximum	0.06
Minimum	0.00
CU	0.00
No. of Points	80
LUMINAIRE INFORMATION	
Applied Circuits	A,B
No. of Luminaires	36
Total Load	35.52 kW

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

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**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.



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## ILLUMINATION SUMMARY



Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
4	A1-A4	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
2	B3-B4	60'	-	60'	TLC-LED-1200	4	4	0
				15.5'	TLC-BT-575	1	1	0
8	Totals					36	36	0

\*Above Grade level relative to the field



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

## Gano Park Baseball

Providence, RI

### Grid Summary

Name 150ft Spill Line  
Spacing 30.0' x 30.0'  
Height 3.0' above grade

### Illumination Summary

MAINTAINED MAX VERTICAL FOOTCANDLES	
Entire Grid	
Scan Average	0.0750
Maximum	0.21
Minimum	0.00
CU	0.00
No. of Points	80
LUMINAIRE INFORMATION	
Applied Circuits	A,B
No. of Luminaires	36
Total Load	35.52 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.



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### ILLUMINATION SUMMARY



Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
4	A1-A4	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
2	B3-B4	60'	-	60'	TLC-LED-1200	4	4	0
				15.5'	TLC-BT-575	1	1	0
8	Totals					36	36	0

\*Above Grade level relative to the field



SCALE IN FEET 1 : 100

0'100'200'

ENGINEERED DESIGN By: Z.Morris • File #237520C • 20-Sep-24

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

## Gano Park Baseball

Providence, RI

Grid Summary
Name 150ft Spill Line (Cd)
Spacing 30.0' x 30.0'
Height 5.0' above grade

Illumination Summary	
	MAINTAINED CANDELA (PER FIXTURE)
Scan Average	Entire Grid 2465.9927
Maximum	7236.76
Minimum	0.04
CU	0.00
No. of Points	80
LUMINAIRE INFORMATION	
Applied Circuits	A,B
No. of Luminaires	36
Total Load	35.52 kW

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musco

Lighting

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### ILLUMINATION SUMMARY





Gano Park Baseball

Providence, RI

Equipment Layout

INCLUDES:  
• Baseball 1  
• Baseball 2

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
4	A1-A4	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
2	B3-B4	60'	-	60'	TLC-LED-1200	4
				15.5'	TLC-BT-575	1
8	Totals					36

Single Luminaire Amperage Draw Chart

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

