

July 16, 2026

Addendum No. 4

Salina Intermediate School - Recreational Field

Dearborn Public Schools

Dearborn, MI 48120

A/E # 2014.21A

ADDENDUM NO. 4

SPECIAL NOTE:

The Notice to Bidders, Instructions to Bidders, General Conditions of the Contract for Construction, Supplementary Conditions of the Contract for Construction, and all modifications and previously issued Contract Documentation are a part of this Addendum.

SCOPE OF WORK:

The following items are changes, additions, deletions, clarifications and/or errors and omissions in plans and specifications, and shall be considered by each Bidder in making up and submitting their proposal. All of these items shall be considered a part of the Contract Documents.

NOTICE TO ALL BIDDERS:

All Bidders shall take note of all items covered by this Addendum. Each Bidder shall review the total scope of their responsibilities with respect to their contract work and interface with the work of others, as well as their required interface with their work.

ATTACHMENTS:

G1, C2.10, C4.10, C5.10, L7.10, L7.20

SPECIFICATIONS:

PORTAGE
950 Trade Centre Way, Suite 130
Portage, MI 49002
T: 800.632.7815

GRAND RAPIDS
801 Broadway NW, Suite 306
Grand Rapids, MI 49504
T: 800.632.7815

CHELSEA
300 N. Main Street, Suite 204
Chelsea, MI 48118
T: 800.632.7815

ROYAL OAK
818 W. Eleven Mile Road
Royal Oak, MI 48067
T: 800.632.7815

DRAWINGS:

- Item No. 01. Revised G1 – Title Sheet
- Item No. 02. Revised C2.10 – Demolition Plan
- Item No. 03. Revised C4.10 – Paving & Layout Plan
- Item No. 04. Revised C5.10 – Grading Plan
- Item No. 05. Added L7.10 – Irrigation Plan
- Item No. 05. Added L7.20 – Irrigation Details

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SALINA INTERMEDIATE SCHOOL RECREATION FIELD

SALINA INTERMEDIATE SCHOOL
DEARBORN PUBLIC SCHOOLS
DEARBORN, MICHIGAN

CONSTRUCTION DOCUMENTS
JUNE 05, 2026



DIRECTORY

OWNER
SALINA INTERMEDIATE SCHOOL
2623 Salina St.
Dearborn, MI 48120
P . 313-827-6600

ARCHITECT & ENGINEER
Kingscott Associates
Suite #130
950 Trade Center Way
Portage, MI 49002
P . 269-381-4880

CONSTRUCTION MANAGER
Clark Construction Company
3535 Moores River Dr.
Lansing, MI 48911
P . 517-372-0940

SITE MAP



SHEET INDEX

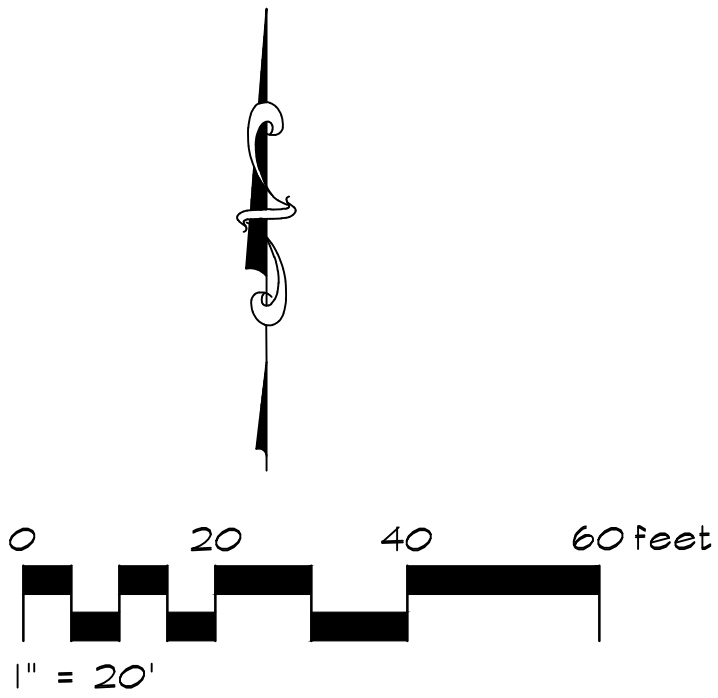
G1	TITLE SHEET
G2	DATA SHEET
V1.10	TOPOGRAPHICAL SURVEY
C2.10	DEMOLITION PLAN
C3.10	UTILITY PLAN
C3.20	UTILITY DETAILS
C4.10	PAVING & LAYOUT PLAN
C5.10	GRADING PLAN
L1.10	COMPOSITE SITE PLAN
L1.10A	COMPOSITE SITE PLAN - ALTERNATE #1
L1.10A2	COMPOSITE SITE PLAN - ALTERNATE #2
L1.30	SITE DETAILS
L1.31A	SITE DETAILS - ALTERNATE #1
L1.32A	SITE DETAILS - ALTERNATE #2
L2.10	PLANTING PLAN
L2.30	PLANTING DETAILS
L2.31	PLANTING DETAILS
L2.32	PLANTING DETAILS
L7.10	IRRIGATION PLAN
L7.20	IRRIGATION DETAILS

DEARBORN PUBLIC SCHOOLS
SALINA INTERMEDIATE SCHOOL
RECREATION FIELD
DEARBORN, MICHIGAN 48120



ISSUANCES	DATE
CONSTRUCTION DOCUMENTS	06.05.26
ADDENDUM 03	07.16.26

KEY PLAN



DEMOLITION GENERAL NOTES:

DO NOT CLOSE OR OBSTRUCT STREETS, WALKS OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM THE PROJECT REPRESENTATIVE. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS IF REQUIRED.

CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING DEBRIS FROM DEMOLITION AND SALVAGE OPERATIONS. DISPOSAL OF DEBRIS SHALL BE DONE LEGALLY OFF THE OWNER'S PROPERTY, EXCEPT THAT SPECIFICALLY REQUESTED FOR SALVAGE BY THE PROJECT REPRESENTATIVE. BURNING OF DEBRIS IS NOT PERMITTED.

DURING DEMOLITION OPERATIONS, KEEP DUST TO A MINIMUM USING APPROPRIATE METHODS.

DURING DEMOLITION OPERATIONS, ACCESS ROADS AND ADJACENT CONCRETE PATHWAYS SHALL BE MAINTAINED BROOM CLEAN. ROADS SHALL BE CLEANED BY USING A PICK-UP TYPE SWEEPER. A FRONT-END TRACTOR MOUNTED SWEEPER IS NOT PERMITTED.

CONTRACTOR TO PROTECT EXISTING WALKS, PAVEMENT, CURBS, GUTTERS, WALLS, FENCES, LANDSCAPING AND TREES DURING CONSTRUCTION.

ALL DEPRESSIONS CREATED BY DEMOLITION PROCEDURES SHALL BE BACKFILLED WITH CLASS II FILL MATERIAL, IN 8" LIFTS COMPACTED TO 95% OF MAXIMUM UNIT WEIGHT, UP TO PROPOSED SUBGRADE.

THE SITE SHALL BE GRADED TO PROVIDE SURFACE DRAINAGE AND SHALL BE LEFT IN A CLEAN CONDITION.

IN AREAS OF FOUNDATION OR OTHER SUBGRADE REMOVALS, EXCAVATIONS SHALL BE BACKFILLED WITH CLASS 2 FILL TO MATCH ADJACENT GRADES.

DEMOLITION HOURS OF OPERATIONS ARE TO OCCUR BETWEEN THE HOURS OF 7 AM - 5 PM.

REFERENCE NOTES SCHEDULE

SYMBOL	CODE	DESCRIPTION
Demolition		
	D-01	PROTECT EXISTING BUILDING AND RELATED ELEMENTS TO REMAIN
	D-04	PROTECT EXISTING ASPHALT PAVEMENT TO REMAIN
	D-05	PROTECT EXISTING CONCRETE PAVEMENT TO REMAIN
	D-06	PROTECT EXISTING CONCRETE CURB AND GUTTER TO REMAIN
	D-07	REMOVE ASPHALT PAVEMENT TO FULL DEPTH. SANKUT FULL DEPTH WHERE NEW PAVEMENT WILL BE PLACED ADJACENT TO EXISTING PAVEMENT. EXCAVATE EXISTING AGGREGATE BASE AS NECESSARY.
	D-10	REMOVE CONCRETE PAVEMENT TO FULL DEPTH. SANKUT FULL DEPTH TO NEAREST JOINT WHERE NEW PAVEMENT WILL BE PLACED ADJACENT TO EXISTING PAVEMENT.
	D-11	REMOVE CONCRETE CURB AND GUTTER. SANKUT FULL DEPTH TO NEAREST JOINT, WHERE SHOWN. REMOVAL LIMITS TO FIELD VERIFIED BY ENGINEER.
	D-19	REMOVE SIGNAGE, POSTS, AND FOOTINGS.
	D-24	REMOVE FENCINGS, INCLUDING GATES, POSTS, AND FOOTINGS TO NEAREST POST.
	D-25	PROTECT EXISTING UTILITIES AND UTILITY STRUCTURES TO REMAIN.
	D-27	REMOVE EXISTING STORM SEWER AND STORM STRUCTURES COMPLETELY. BACKFILL WITH CLASS II FILL AND COMPACT TO 95% OF MAXIMUM DENSITY.
	D-34	PROTECT EXISTING TREES PER TREE PROTECTION DETAIL AND NOTES
	D-37	REMOVE EXISTING TREE INCLUDING STUMPS, GRIND TO 18" DEPTH

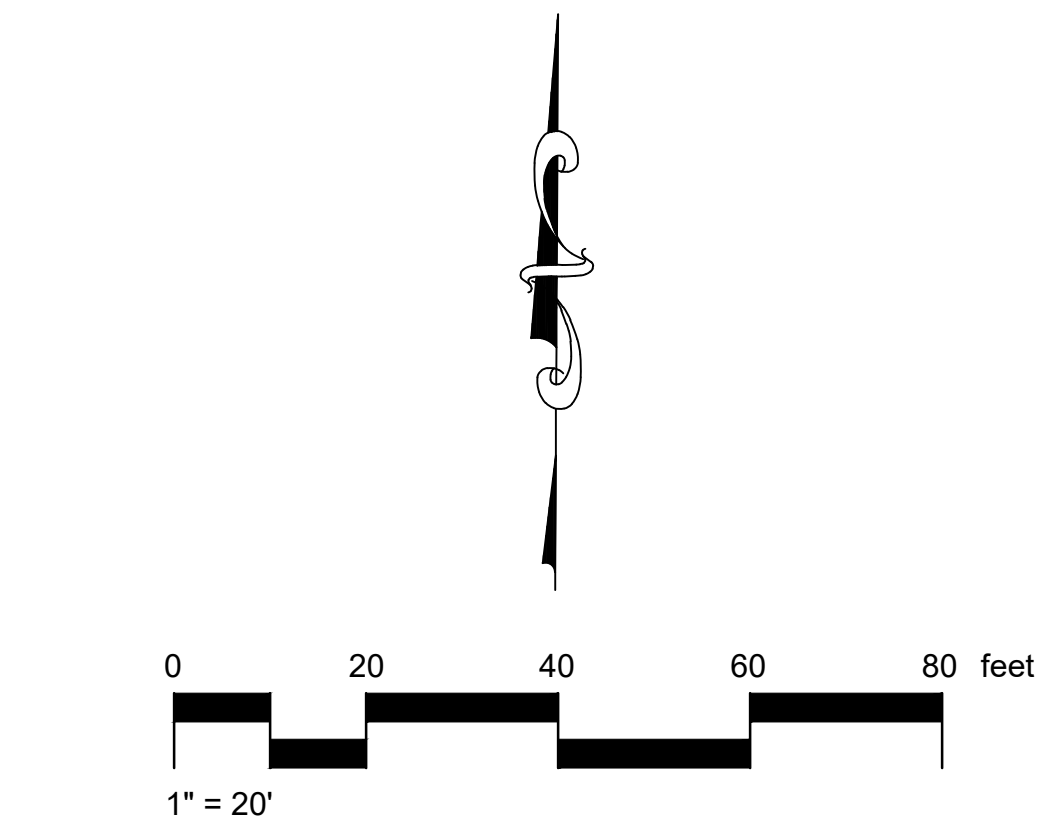
DEARBORN PUBLIC SCHOOLS
SALINA INTERMEDIATE SCHOOL
RECREATION FIELD
DEARBORN, MICHIGAN 48120



ISSUANCES	DATE
CONSTRUCTION DOCUMENTS	06.05.2026
ADDENDUM #03	07.16.2026

JOB NO.	2014.21A
SHEET TITLE	DEMOLITION PLAN

SHEET NO.	C2.10
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LEGEND	
	PROP SAN PIPE
	PROP STM PIPE
	PROP WATER SUPPLY
	PROP TOPO MAJOR
	PROP TOPO MINOR
	PROP FIRE HYDRANT
	PROP GATE VALVE
	PROP SANITARY MANHOLE
	PROP STORM MANHOLE
	PROP CATCH BASIN
	PROP FIELD CATCH BASIN
	PROP CLEANOUT
	PROP STANDARD DUTY ASPHALT
	PROP HEAVY DUTY ASPHALT
	PROP CONCRETE PAVEMENT
	PROP GRAVEL

PAVING CONSTRUCTION NOTES

EARTHWORK AND PAVEMENT CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION UNLESS OTHERWISE NOTED IN THE FOLLOWING ITEMS.

REMOVE ANY EXISTING TOPSOIL, VEGETATION, TREES AND OTHER DELETERIOUS MATERIALS TO EXPOSE THE SUBGRADE SOIL. TREE ROOTS SHALL BE COMPLETELY REMOVED.

EXCAVATE TO THE DEPTH OF THE FINAL SUBGRADE ELEVATION TO ALLOW FOR GRADE CHANGES AND THE PLACEMENT OF THE RECOMMENDED PAVEMENT SYSTEM.

THE TOP 12 INCHES OF THE EXPOSED SUBGRADE SHALL BE COMPACTED TO A DENSITY NO LESS THAN 95 PERCENT OF THE MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED PROCTOR (ASTM D 1557-11).

THE FINALE SUBGRADE SHALL BE THOROUGHLY PROOF-ROLLED UNDER THE OBSERVATION OF A GEOTECHNICAL/PAVEMENT ENGINEER. LOOSE OR YIELDING AREAS WHICH CANNOT BE MECHANICALLY STABILIZED SHALL BE REMOVED AND REPLACED WITH ENGINEERED FILL OR AS DICTATED BY FIELD CONDITIONS.

THE AGGREGATE BASE SHALL BE COMPACTED TO A DENSITY NO LESS THAN 95 PERCENT OF THE MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED PROCTOR (ASTM D 1557-11). THE BASE SHALL EXTEND A MINIMUM OF 1 FOOT BEYOND THE PAVED EDGE.

ALL BITUMINOUS MATERIAL SHALL BE COMPACTED TO A DENSITY NO LESS THAN 97 PERCENT OF THE MAXIMUM DENSITY AS DETERMINED BY THE MARSHALL METHOD.

A BOND COAT OF 99-14 EMULSION IS REQUIRED BETWEEN THE LEVELING COURSE AND THE WEARING COURSES OF THE SURFACE OF THE PAVEMENT HAS BEEN CONTAMINATED WITH DIRT, DUST, OR FOREIGN MATERIAL. THE BOND COAT SHALL BE APPLIED IN A UNIFORM MANNER OVER THE SURFACE AT A RATE OF 0.1 GALLONS/SY. IN THE EVENT A BOND COAT IS NOT REQUIRED, THE LEVELING COURSE MAY REQUIRE LOCALIZED BROOM CLEANING.

PERFORMANCE GRADE PG64-22 ASPHALT CEMENT SHALL BE USED IN THE PRODUCTION OF ALL BITUMINOUS MIXTURES. RECLAIMED ASPHALT PAVEMENT (RAP) SHALL BE ALLOWED ON AS SPECIFIED BY THE CURRENT MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION, UNLESS NOTED ON THE PROJECT DETAILS.

CONSTRUCTION TRAFFIC SHALL BE MINIMIZED ON THE NEW PAVEMENT. IF CONSTRUCTION TRAFFIC IS ANTICIPATED ON THE PAVEMENT STRUCTURE, THE PLACEMENT OF OF THE FINAL LIFT SHALL BE DELAYED UNTIL THE MAJORITY OF THE CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED. THIS ACTION WILL ALLOW REPAIR OF LOCALIZED FAILURE. IF ANY DOES OCCUR, AS WELL AS REDUCE LOAD DAMAGE ON THE PAVEMENT SYSTEM. THE CONTRACTOR IS RESPONSIBLE FOR REPAIR TO ANY DAMAGED SECTION RESULTING FROM CONSTRUCTION ACTIVITY.

TAPER CURB HEIGHT DOWN TO ZERO HEIGHT IN FIVE FEET AT ALL CURB ENDINGS UNLESS OTHERWISE NOTED ON THE PLAN.

WHERE CURB AND GUTTER SECTION IS ADJACENT TO A BARRIER FREE RAMP, DROP CURB HEIGHT TO MAXIMUM 1/4" ACROSS THE RAMP OPENING.

DIRECTIONAL ARROW PAVEMENT MARKINGS AND PAVEMENT MARKING LETTING WHERE INDICATED SHALL BE WHITE PREFORMED THERMOPLASTIC UNLESS OTHERWISE NOTED. INSTALLATION OF THESE PERMANENT PAVEMENT MARKINGS SHALL BE PERFORMED PER THE MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION SECTIONS 911 AND 920.

CONTRACTOR SHALL PROTECT EXISTING CURB, GUTTER, SIDEWALK, WALLS, FENCES AND ALL OTHER EXISTING SITE FEATURES NOT INDICATED FOR REMOVAL OR REHABILITATION.

PLACE EXPANSION JOINTS WHERE NEW CONCRETE PAVEMENT OR WALKS ABUT BUILDING WALLS (PROPOSED OR EXISTING), COLUMN WALLS OR BASES, CONCRETE FOUNDATIONS OR BASES, CURBS, OR EXISTING CONCRETE PAVEMENT. PLACE JOINT SEALANT ON ALL EXPANSION JOINTS.

CONTRACTOR TO CONSTRUCT CONTRACTION AND EXPANSION JOINTS IN ALL NEW CONCRETE PAVEMENT. CONTRACTION JOINTS SHALL BE TOOLED WHERE SIDEWALK WIDTH IS 6' OR LESS, AND SHALL BE SPACED EQUAL TO THE WIDTH OF THE PAVEMENT (I.E. 6' SPACINGS FOR 6' WIDE WALKS), BUT NOT MORE THAN 10' APART. PLACE EXPANSION JOINTS WITH JOINT SEALANT AT MAXIMUM 50' SPACING. CONTRACTOR SHALL GENERALLY MATCH THE JOINT PATTERNS FOR CONCRETE PAVEMENT WHEN SHOWN ON THE PLANS.

CONCRETE PAVEMENT SHALL MEET THE REQUIREMENTS FOR MDOT GRADE 4000 CONCRETE PER THE CURRENT MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION.

CONCRETE PAVEMENT SHALL BE TREATED WITH SILENCURE SRT (OR APPROVED EQUIVALENT) ACRYLIC COMPOUND AND SILOXANE SEALER ON ALL CONCRETE PAVING, CURBS, AND WALKS (APPLY PER MANUFACTURER RECOMMENDATIONS).

DEARBORN PUBLIC SCHOOLS
SALINA INTERMEDIATE SCHOOL
RECREATION FIELD
DEARBORN, MICHIGAN 48120

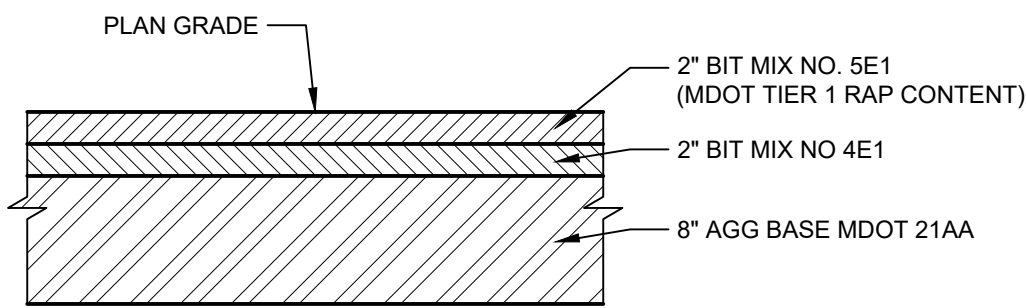


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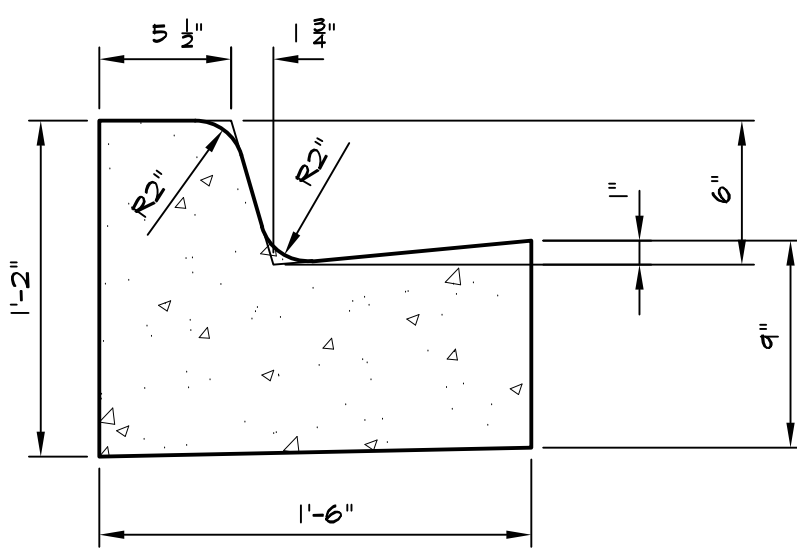
JOB NO. 2014.21A
SHEET TITLE
PAVING & LAYOUT PLAN

SHEET NO.
C4.10
KINGSCOTT ASSOCIATES INC. PORTAGE, MICHIGAN

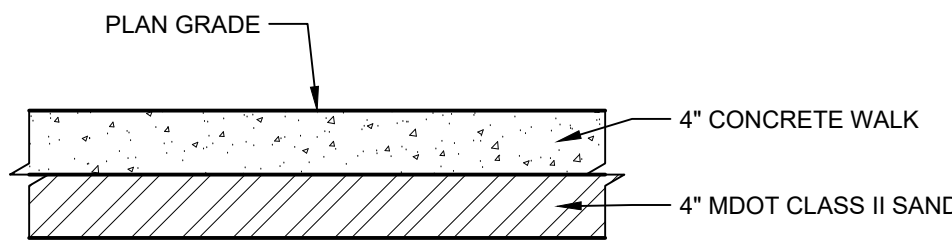
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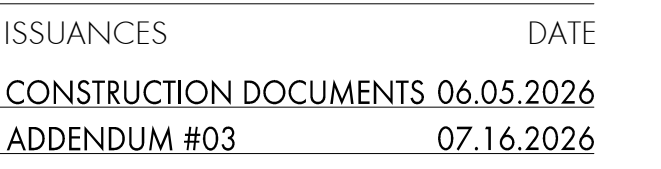
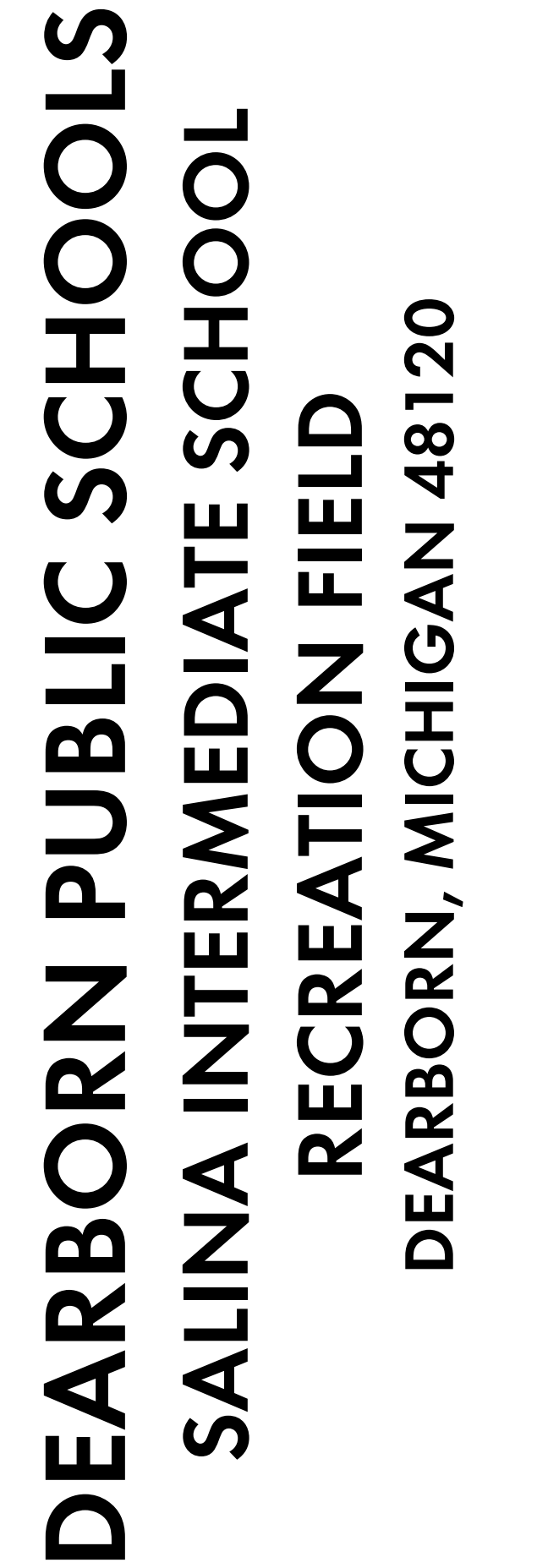
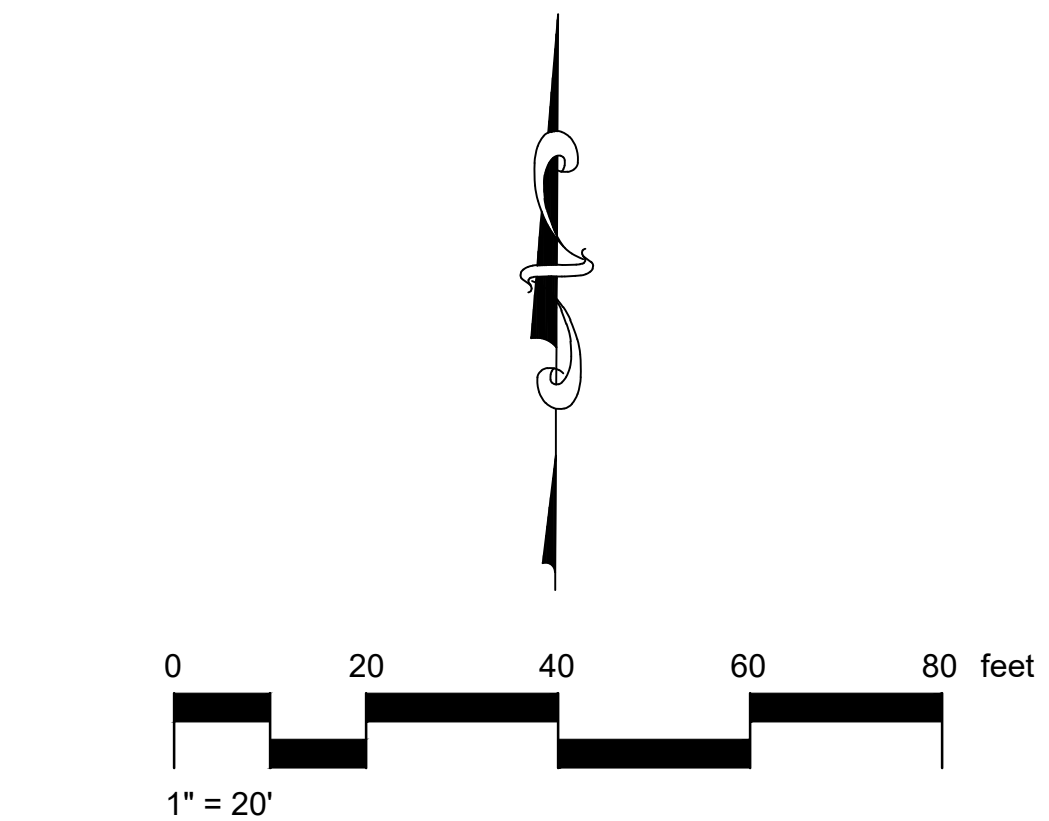
1 STANDARD BITUMINOUS PAVEMENT
1" = 1'-0" KAI-DE1-SAL-27



2 MODIFIED MDOT F4 CONCRETE CURB & GUTTER
1 1/2" = 1'-0" KAI-DE1-SAL-28

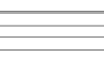
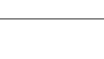
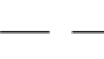
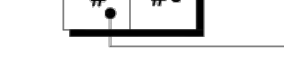


3 4" CONCRETE WALK
1" = 1'-0" KAI-DE1-SAL-30



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IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL	QTY
	Hunter MP2000 PROS-04-PRS40-CV	2
SYMBOL	MANUFACTURER/MODEL	QTY
	Hunter PGP-04 1.5	7
	Hunter PGP-04 3.0	15
SYMBOL	MANUFACTURER/MODEL	QTY
	Rain Bird X CZ-100-PRF 1"	2
	Flush Valve	2
	Drip Air Relief Valve	2
	Drip Ring-0.6 @12" OC, Approx. 20 LF per tree	6
	Area to Receive Dripline Netafim TLDL-06-12-12	1,306 lf
SYMBOL	MANUFACTURER/MODEL	QTY
	Hunter PGV-101G 1"	4
	Febco 765 1"	1
	Hunter P2C-400 with (01) PCM-300	1
	Hunter WR-CLJK	1
	POC 1"	1
	Irrigation Lateral Line: Polyethylene Pipe 100 PSI 1"	1,012 lf
	Irrigation Lateral Line: Polyethylene Pipe 100 PSI 1 1/2"	74.4 lf
	Irrigation Mainline: PVC Class 160 SDR 26 1 1/2"	281.2 lf
	Pipe Sleeve: PVC Class 160 SDR 26 2"	7.4 lf
	Pipe Sleeve: PVC Class 160 SDR 26 4"	111.2 lf
Valve Callout		
	Valve Number	
	Valve Flow	
	Valve Size	

IRRIGATION SPECIFICATIONS

- IRRIGATION SYSTEM DESIGN BASED ON 15 GPM AT 55 PSI.
- IRRIGATION DESIGN IS FROM THE POINT OF CONNECTION(POC) ONLY. THE DESIGN IS BASED ON GALLONS PER MINUTE(GPM) AND POUNDS PER SQUARE INCH(PSI) FURNISHED BY OTHERS.
- IRRIGATION CONTRACTOR IS TO VERIFY POINT OF CONNECTION IN THE FIELD. INSTALLER IS TO CONFIRM THE MINIMUM DISCHARGE REQUIREMENTS OF THE POINT OF CONNECTION AS INDICATED ON THE LEGEND PRIOR TO INSTALLATION.
- THE PRESSURE REQUIREMENT AT THE POINT OF CONNECTION IS BASED ON NO MORE THAN 5 FEET OF ELEVATION CHANGE IN THE AREAS OF IRRIGATION.
- ALL PRODUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND ACCORDING TO LOCAL BUILDING, ELECTRICAL, AND PLUMBING CODES.
- IRRIGATION CONTRACTOR WILL ARRANGE INSPECTIONS REQUIRED BY LOCAL AGENCIES AND ORDINANCES DURING THE COURSE OF CONSTRUCTION AS REQUIRED. ALL WIRING TO BE PER LOCAL CODE. BACKFLOW PREVENTION TO BE PER LOCAL CODE.
- LOCATION OF IRRIGATION COMPONENTS SHOWN ON DRAWING IS APPROXIMATE. ACTUAL PLACEMENT MAY VARY SLIGHTLY AS REQUIRED TO ACHIEVE FULL, EVEN COVERAGE.
- ALL SPRINKLER HEADS SHALL BE INSTALLED PERPENDICULAR TO FINISH GRADES. EXCEPT AS OTHERWISE INDICATED.
- INSTALL IRRIGATION MAINS WITH A MINIMUM 18" OF COVER BASED ON FINISH GRADES. INSTALL IRRIGATION LATERALS WITH MINIMUM 12" OF COVER BASED ON FINISH GRADES.
- PIPE LOCATIONS ARE DIAGRAMMATIC. VALVES AND MAINLINE SHOWN IN PAVED AREAS ARE FOR GRAPHIC CLARITY ONLY.
- THE IRRIGATION CONTRACTOR SHALL COMPLY WITH PIPE SIZES AS INDICATED.
- ALL WIRE SPLICES OR CONNECTIONS SHALL BE MADE WITH APPROVED WATERPROOF WIRE CONNECTIONS AND BE IN A VALVE OR SPLICE BOX.
- ALL CONTROL WIRING DOWNSTREAM OF THE CONTROLLER IS TO BE 14 AWG, UL APPROVED DIRECT BURY.
- THE DESIGN IS BASED ON THE SITE INFORMATION AND/OR DRAWING SUPPLIED WITH THE DESIGN CRITERIA BEING SET (AREA TO BE IRRIGATED, EQUIPMENT MANUFACTURER AND MODEL TO BE USED, WATER SOURCE INFORMATION, ELECTRICAL POWER AVAILABILITY, ETC...). SITEONE LANDSCAPE SUPPLY BEARS NO RESPONSIBILITY OR LIABILITY FOR ANY ERRORS IN DESIGN OR INSTALLATION THAT ARISE DUE TO INACCURACIES IN THE ABOVE REFERENCED INFORMATION SUPPLIED TO SITEONE LANDSCAPE SUPPLY LANDSCAPES IN RELATION TO THIS PROJECT, UNLESS OTHERWISE NOTED.



1-800-347-4272

<http://www.projectsolutions.siteone.com>

650 Stephenson Highway
Troy, Michigan 48063
Phone 248.588.2100
Fax 248.588.3528
www.Siteone.com
800.347.4272

Project Services Number: 447648

DEARBORN PUBLIC SCHOOLS
SALINA INTERMEDIATE SCHOOL

DEARBORN, MI, 48120

Design Date: 06/23/26

Drawn By: C.BEST



SCALE: 1" = 20' - 0"

IRRIGATION GENERAL NOTES:

1. IRRIGATION LAYOUT AS PROVIDED BY SITEONE.

2. PRIOR TO SUBMITTING A BID FOR THE IRRIGATION WORK THE CONTRACTOR SHALL VISIT THE SITE TO VERIFY ALL INSTALLATION CONDITIONS.

3. THE CONTRACTOR SHALL READ THOROUGHLY AND BECOME FAMILIAR WITH THE PLANS, SPECIFICATIONS AND INSTALLATION DETAILS FOR THIS AND RELATED WORK PRIOR TO CONSTRUCTION.

4. QUANTITIES OF IRRIGATION COMPONENTS NOTED ON THE PLANS, DETAILS OR SPECIFICATIONS ARE FOR CONVENIENCE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR ALL ITEMS REQUIRED TO PROVIDE A COMPLETE WORKING IRRIGATION SYSTEM AS DESIGNED, AND SHALL PROVIDE OWN MATERIAL TAKE OFF QUANTITIES.

5. IRRIGATION COMPONENTS CALLED OUT BY MANUFACTURER AND MODEL NUMBER DESIGNATE A TYPE OF MATERIAL, SIZE AND LEVEL OF PERFORMANCE. THE CONTRACTOR MAY SUBSTITUTE ALTERNATE COMPONENTS AS EQUAL WITH WRITTEN APPROVAL FROM LANDSCAPE ARCHITECT

A. PROVIDE SUBMITTALS FOR ALL SPECIFIED IRRIGATION EQUIPMENT AND MATERIALS.

6. THE CONTRACTOR SHALL NOT PROCEED WITH THE INSTALLATION OF THE IRRIGATION SYSTEM WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS OR GRADE DIFFERENCES EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE DESIGN, OR IF DISCREPANCIES IN CONSTRUCTION DETAILS, LEGENDS NOTES, OR SPECIFICATIONS ARE DISCOVERED. BRINK ALL SUCH OBSTRUCTIONS OR DISCREPANCIES TO THE ATTENTION OF THE LANDSCAPE ARCHITECT OR CONTRACTOR IN WRITING PRIOR TO CONSTRUCTION.

7. BEFORE STARTING ANY WORK THE CONTRACTOR SHALL CONTACT UTILITIES OFFICIALS TO VERIFY LOCATIONS AND DEPTHS OF UNDERGROUND UTILITIES THAT MAY BE AFFECTED BY THEIR WORK, AND THEY SHALL BE RESPONSIBLE FOR DAMAGES TO SUCH UTILITIES CAUSED AS A RESULT OF THEIR IRRIGATION INSTALLATION.

8. IRRIGATION COMPONENTS ARE SHOWN SCHEMATICALLY AND MAY BE DRAWN OUTSIDE OF PLANTING AREAS FOR GRAPHIC CLARITY. INSTALL ALL COMPONENTS IN LANDSCAPE AREAS WHENEVER POSSIBLE. AVOID CONFLICTS BETWEEN THE IRRIGATION SYSTEM, UTILITIES, PLANT MATERIAL, AND ARCHITECTURAL FEATURES

A. CONTRACTOR TO DESIGN COMPLETE IRRIGATION SYSTEM, INCLUDING SIZING OF EQUIPMENT, COMPONENTS AND PLUMBING.

B. CONTRACTOR TO VERIFY AVAILABLE DYNAMIC PRESSURE AND MAINLINE POINT OF CONNECTION.

9. THE IRRIGATION CONTRACTOR IS RESPONSIBLE FOR PROVIDING DESIGNED IRRIGATION SYSTEM PROVIDING 100% COVERAGE TO ALL PLANT MATERIAL. COORDINATE IRRIGATION INSTALLATION WITH LANDSCAPE PLANS AND LANDSCAPE CONTRACTOR.

A. PROVIDE SHOP DRAWINGS UP PROPOSED IRRIGATION SYSTEM, INCLUDING EQUIPMENT, MAINLINE, AND LATERAL LINE SIZING. CONSULT LANDSCAPE ARCHITECT, IN WRITING, WHERE DESIGNED IRRIGATION SYSTEM DEVIATES FROM THE IRRIGATION SYSTEM LAYOUT HEIR IN.

10. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL LAWS, CODES, AND REGULATIONS APPLICABLE TO THE IRRIGATION SYSTEM COVERED BY THESE PLANS.

11. INSTALL ALL ELECTRICAL POWER TO BACKFLOW PREVENTION IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND ALL APPLICABLE LOCAL CODES. ALL ELECTRICAL PRODUCTS UTILIZED ON THE PROJECT SHALL BE LISTED. THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL CONDUIT AND CONDUCTORS FROM THE 120 VOLT SOURCE LOCATION SUPPLIED BY THE ELECTRICAL CONTRACTOR.

12. THE IRRIGATION CONTRACTOR IS RESPONSIBLE FOR ALL IRRIGATION SLEEVEING. SLEEVES SHALL BE PROVIDED FOR ALL IRRIGATION PIPING, LOW VOLTAGE (24 VOLT) WIRING, COMMUNICATION CABLE, AND HIGH VOLTAGE (120 VOLT AND GREATER) WIRING REQUIRED FOR THE IRRIGATION SYSTEM. SLEEVEING FOR THE HIGH VOLTAGE WIRE SHALL BE SEPARATE FROM THE WATER PIPE, LOW VOLTAGE AND COMMUNICATION SLEEVES. HIGH VOLTAGE WIRING SHALL BE PLACED IN CONDUIT WITHIN ITS SLEEVE. SEPARATE SLEEVES SHALL BE PROVIDED WITHIN THE PRIMARY SLEEVE FOR LOW VOLTAGE AND COMMUNICATION WIRING WHEN THEY SHARE A SLEEVE WITH THE IRRIGATION PIPING. SLEEVES SHALL BE PROVIDED UNDER ALL PAVING, SIDEWALKS, PATHS, AND THROUGH ALL WALLS. ANY PIPE OR WIRE WHICH PASSES BENEATH EXISTING HARDSCAPE WHERE SLEEVEING WAS NOT INSTALLED REQUIRES HORIZONTAL BORING BY THE IRRIGATION CONTRACTOR. SLEEVE SIZES SHALL BE TWICE THE AGGREGATE DIAMETER OF ALL PIPE AND WIRE CONTAINED WITHIN THE SLEEVE.

13. CROSS ALL SIDEWALKS, CONCRETE, AND HARDSCAPE AT RIGHT ANGLES WHEREVER POSSIBLE.

14. THE CONTRACTOR SHALL ARRANGE FOR THE FOLLOWING INSPECTIONS AND MEETINGS DURING THE IRRIGATION SYSTEM INSTALLATION:

A. PRE-CONSTRUCTION CONFERENCE

B. LAYOUT OF MAJOR COMPONENTS: BACKFLOW, MAINLINE AND WIRE ROUTING.

C. PRESSURE TESTING OF MAINLINE

D. FINAL WALK THROUGH/BEGINNING OF MAINTENANCE-WARRANTY PERIOD

E. FINAL ACCEPTANCE/END OF MAINTENANCE-WARRANTY PERIOD.

15. THE IRRIGATION MAINLINE SHALL BE TESTED AT 120 PSI FOR NOT LESS THAN FOUR (4) HOURS WITH NO LOSS OF PRESSURE. DO NOT BACKFILL MAINLINE UNTIL AFTER SUCCESSFUL COMPLETION OF MAINLINE TEST. MAINLINE SHALL BE TESTED WITH VALVES AND QUICK COUPLERS INSTALLED.

16. INSTALL ALL MAINLINES 2" AND SMALLER WITH 18" MINIMUM COVER.

17. LATERAL PIPING SHALL BE INSTALLED AT MINIMUM OF 12" DEPTH.

18. DRIP LINE TUBING TO BE ¾" POLYETHYLENE TUBING.

19. MAINLINE PIPE TO BE ¾" PVC.

20. ALL PIPE TO BE INSTALLED PER THE MANUFACTURER'S SPECIFICATIONS.

21. PIPE BEDDING SHALL CONSIST OF CLEAN NATIVE SOIL WITH NOT STONE LARGER THAN ¼" DIAMETER. 3" OF MORTAR SAND PLACED COMPLETELY ROUND THE PIPE IS AN ACCEPTABLE SUBSTITUTE FOR NATIVE SOIL. PIPING 4"-12" SHALL RECEIVE 6" OF BEDDING MATERIAL..

22. TRENCHES THAT CONTAIN MULTIPLE PIPES SHALL MAINTAIN A MINIMUM OF 3" OF SEPARATION BETWEEN PIPES.

23. MAINLINE FITTINGS TO BE SCHEDULE 80. USE TOE (THREADED ONE END) NIPPLES, NO MALE ADAPTERS WILL BE ACCEPTED.

24. ALL PVC SCHEDULE 40 AND SCHEDULE 80 FITTINGS TO BE 'WESTLAKE' OR APPROVED EQUAL.

25. ALL THREADED JOINTS SHALL BE WRAPPED WITH TEFLON TAPE UNLESS OTHERWISE SPECIFIED BY THE MANUFACTURER. USE LIQUID TEFLON ON METAL PIP THREADS ONLY.

26. INSTALL ALL PIPING AND FITTINGS USING GLUE METHODS CONSISTENT WITH MANUFACTURER'S RECOMMENDATIONS. CAP OR PLUG ALL OPENINGS AS SOON AS LINES ARE INSTALLED TO PREVENT DEBRIS IN THE LINE.

27. FLUSH ALL LINES PRIOR TO THE INSTALLATION OF QUICK COUPLERS.

28. THOROUGHLY FLUSH ALL LINES PRIOR TO THE OPERATION OF SPRINKLER HEADS.

29. INSTALL WIRES A MIN. OF 10" BELOW GRADE.

A. SPLICES ARE NOT ALLOWED IN THE TRENCH.

B. PROVIDE A 24" EXPANSION LOOP AT EACH CHANGE IN DIRECTION

C. 5 FEET OF EXCESS DECODER WIRE IS TO BE AT EACH DECODER LOCATION FOR EASE OF ACCESS.

30. ALL LOW VOLTAGE CONTROL WIRE TO BE #12-1 AWG UF 600 DIRECT BURIAL. COMMON WIRE TO BE #12-1 AWG UF 600 DIRECT BURIAL. CONTROL TO BE RED, COMMON TO BE WHITE. PROVIDE ONE SPARE GREEN #12-1 AWG DIRECT BURIAL WIRES FROM THE CONTROLLER ALONG THE ENTIRE LENGTH OF THE MAINLINE LOOPED INTO EACH VALVE BOX.

31. VALVE BOXES SHALL BE RAINBIRD VB-6RND OR APPROVED EQUAL.

A. VALVE BOXES LOCATED WITHIN LANDSCAPE AREAS ARE TO HAVE A GREEN LID.

B. VALVE BOXES LOCATED IN CONCRETE PAVEMENT ARE TO HAVE BLACK LID.

C. IRRIGATION BOXES AT RAISED PLANTERS ARE TO HAVE 'METER HATCH' TO ACCESS ISOLATION VALVES.

D. IRRIGATION BOX LIDS ARE TO HAVE THE CORRESPONDING IRRIGATION ZONE, AS PROGRAMMED IN IRRIGATION CONTROLLER, LEGIBLY ENGRAVED INTO THE LID.

32. AUTOMATIC CONTROLLER: ALL IRRIGATION SYSTEMS SHALL INCLUDE AN ELECTRIC AUTOMATIC CONTROLLER WITH MULTIPLE PROGRAM AND MULTIPLE REPEAT CYCLE CAPABILITIES AND A FLEXIBLE CALENDAR PROGRAM. ALL CONTROLLERS SHALL BE EQUIPPED WITH AN AUTOMATIC RAIN SHUT-OFF DEVICE.

33. ON SLOPES EXCEEDING 30% THE IRRIGATION SYSTEM SHALL CONSIST OF DRIP EMITTERS, BUBBLERS, OR SPRINKLERS WITH A MAXIMUM PRECIPITATION RATE OF 0.85 INCHES PER HOUR AND ADJUSTED SPRINKLER CYCLE TO ELIMINATE RUNOFF.

34. EACH VALVE SHALL IRRIGATE A LANDSCAPE WITH SIMILAR SITE, SLOPE AND SOIL CONDITIONS AND PLANT MATERIALS WITH SIMILAR WATERING NEEDS. TURF AND NON-TURF AREAS SHALL BE IRRIGATED ON SEPARATE VALVES.

35. SPRINKLERS SHALL HAVE MATCHED PRECIPITATION RATE WITH EACH CONTROL VALVE CIRCUIT.

36. CHECK VALVES SHALL BE REQUIRED WHERE ELEVATION DIFFERENCES WILL CAUSE LOW HEAD DRAINAGE, PRESSURE COMPENSATING VALVES AND SPRINKLERS SHALL BE REQUIRED WHERE A SIGNIFICANT VARIATION IN WATER PRESSURE WILL OCCUR WITHIN THE IRRIGATION SYSTEM DUE TO ELEVATION DIFFERENCES.

37. DRIP IRRIGATION LINES SHALL BE PLACED UNDERGROUND OR OTHERWISE PERMANENTLY COVERED, EXCEPT FOR DRIP EMITTERS AND WHERE APPROVED AS A TEMPORARY INSTALLATION. FILTERS AND END FLUSH VALVES SHALL BE PROVIDED AS NECESSARY.

38. IRRIGATION ZONES WITH OVERHEAD SPRAY OR STREAM SPRINKLERS SHALL BE DESIGNED TO OPERATE BETWEEN 6:00 PM AND 10:00 AM TO REDUCE WATER LOSS FROM WIND AND EVAPORATION. THIS WOULD EXCLUDE DRIP OR BUBBLER ZONES.

39. PLANTS WHICH REQUIRE DIFFERENT AMOUNTS OF WATER SHALL BE IRRIGATED BE SEPARATE VALVES. IF ONE VALVE IS USED FOR A GIVEN AREA, ONLY PLANTERS WITH SIMILAR WATER USE SHALL BE USED IN THAT AREA. LAWN AREAS AND PLANTERS SHALL BE IRRIGATED BY SEPARATE VALVES.

40. A SEPARATE BACKFLOW PREVENTION DEVICE SHALL BE INSTALLED FOR THE IRRIGATION SYSTEM.

41. THE IRRIGATION SYSTEM SHALL BE DESIGNED TO PREVENT OVERSPRAY AND WATER RUN-OFF ONTO ADJACENT PROPERTY, NON-IRRIGATED AREAS, WALKS, ROADWAYS, OR STRUCTURES.

42. THE IRRIGATION SYSTEM SHALL BE TESTED AT OPERATING PRESSURE FOR A MINIMUM OF 4 HOURS. REPAIR ALL LEAKS AND RETEST AFTER CURING.

43. UPON COMPLETION OF TEST, COMPLETE ASSEMBLY OF ALL EQUIPMENT AND SPRINKLERS FOR PROPER DISTRIBUTION.

44. MAINTAIN 'AS BUILT' DRAWINGS SHOWING ALL COMPONENTS OF THE SYSTEM INCLUDING FINAL GPM OF ZONES, WIRE RUNS, HEADS, VALVES, PIPE SIZES, ETC. UPON FINAL ACCEPTANCE OF PROJECT BY LANDSCAPE ARCHITECT, CONTRACTOR SHALL TURN IN ALL AS-BUILT PLANS ON A REPRODUCIBLE SET.

45. ALL GASKETED PRESSURE PIPE AND FITTINGS SHALL BE THRUST BLOCKED. NO CONCRETE PREFORMED BLOCKS WILL BE ALLOWED.

46. ALL EXISTING UTILITIES WHICH ARE NOT SHOWN ON THESE DOCUMENTS WHICH NEED TO BE REMOVED, RELOCATED AND/OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR.

47. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING AND ACQUIRING ALL PERMITS.

48. PRIOR TO INSTALLATION, FIELD TEST THE SYSTEM PRESSURE AT THE POINT OF CONNECTION. CONTRACTOR IS RESPONSIBLE TO VERIFY THE PRESSURE IS AT LEAST 45 STATIC PSI. NOTIFY OWNER IF PRESSURE IS LOWER.

49. SUPPLY THE FOLLOWING MATERIALS TO THE OWNER AT FINAL WALK THROUGH/BEGINNING OF WARRANTY-MAINTENANCE:

A. TWO OPERATING KEYS FOR BALL VALVES.

B. OPERATING/OWNERS/PARTS MANUALS FOR BACKFLOW, VALVES, AND QUICK COUPLERS, AND EMITTERS.

C. APPROVED BACKFLOW TEST CERTIFICATION.

D. LAMINATED IRRIGATION KEY PLAN, CLEARLY IDENTIFYING THE EXTENTS OF ALL IRRIGATION ZONES. PROVIDE (2) COPIES TO OWNER.



KINGSCOTT

PORTAGE | CHELSEA | GRAND RAPIDS | ROYAL OAK

DEARBORN PUBLIC SCHOOLS
SALINA INTERMEDIATE SCHOOL
RECREATION FIELD
DEARBORN, MICHIGAN 48120



ISSUANCES	DATE
CONSTRUCTION DOCUMENTS	06.05.26
ADDENDUM 03	07.16.26

KEY PLAN

JOB NO. 2014.21A

SHEET TITLE

IRRIGATION DETAILS

SHEET NO.

L7.20