

NO. ROOM NAME
B100 CORRIDOR
B101 VESTIBULE
B102 PASSAGE
B103 CAFETERIA / GYM
B104 TABLE STORAGE
B105 GYM STORAGE
B106 STAFF DINING
B107 COOLER
B108 FREEZER
B109 PLAYGROUND EQUIPMENT
B110 DRY / GENERAL STORAGE
B111 CUSTODIAL OFFICE
B112 LOCKER / MAINT
B113 TOILET
B114 KITCHEN

NO. ROOM NAME
B115 WARE WASHING
B116 NOT USED
B117 SERVING
B118 PASSAGE
B119 KITCHEN OFFICE
B120 TOILET
B121 LOCKER
B122 PASSAGE
B123 RECEIVING
B124 BUILDING STORAGE
B125 CHAIR STORAGE
B126 GYM STORAGE
B127 BOILER ROOM
B128 ELECTRICAL ROOM
B129 FIRE PUMP

NO. ROOM NAME
C100 STAIR
C101 PASSAGE
C102 HAND WASHING
C103 BOYS TOILET
C104 GIRLS TOILET
C105 F.T.L.A.
C106 F.T.L.A.
C107 SPECIAL SERVICES
C108 STORAGE
C109 CLASSROOM
C110 CLASSROOM
C111 CLASSROOM
C112 CLASSROOM
C113 STAIR
C114 CLASSROOM
C115 CLASSROOM
C116 CLASSROOM
C117 CLASSROOM

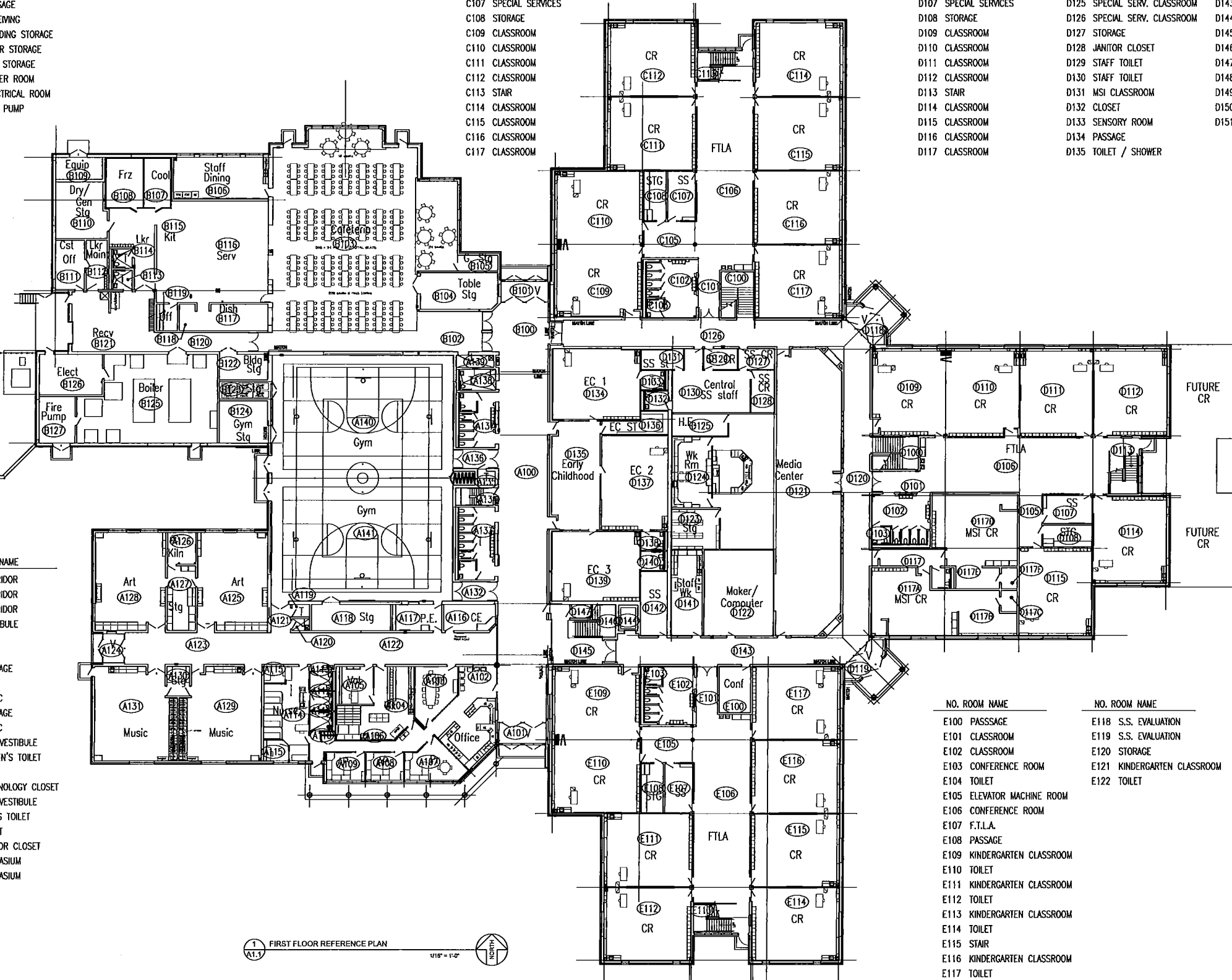
NO. ROOM NAME
D100 STAIR
D101 PASSAGE
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D103 BOYS TOILET
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D105 F.T.L.A.
D106 F.T.L.A.
D107 SPECIAL SERVICES
D108 STORAGE
D109 CLASSROOM
D110 CLASSROOM
D111 CLASSROOM
D112 CLASSROOM
D113 STAIR
D114 CLASSROOM
D115 CLASSROOM
D116 CLASSROOM
D117 CLASSROOM

NO. ROOM NAME
D118 VESTIBULE
D119 VESTIBULE
D120 CORRIDOR
D121 NOT USED
D122 CORRIDOR
D123 SPECIAL SERV. STAFF OFFICE
D124 SPECIAL SERV. CLASSROOM
D125 SPECIAL SERV. CLASSROOM
D126 SPECIAL SERV. CLASSROOM
D127 STORAGE
D128 JANITOR CLOSET
D129 STAFF TOILET
D130 STAFF TOILET
D131 MSI CLASSROOM
D132 CLOSET
D133 SENSORY ROOM
D134 PASSAGE
D135 TOILET / SHOWER

NO. ROOM NAME
D136 MSI CLASSROOM
D137 WORK ROOM
D138 HEAD END
D139 STORAGE
D140 COMPUTER LAB
D141 CIRCULATION DESK
D142 MEDIA CENTER
D143 JANITOR CLOSET
D144 STAFF WORK ROOM
D145 E.B.D. CLASSROOM
D146 S.S.A. CLASSROOM
D147 S.S.A. OFFICE
D148 ELEVATOR
D149 CORRIDOR
D150 CORRIDOR
D151 STAIR

NO. ROOM NAME
A100 CORRIDOR
A101 VESTIBULE
A102 GENERAL OFFICE
A103 CONFERENCE ROOM
A104 WORK ROOM
A105 VOLUNTEER WORK ROOM
A106 HALLWAY
A107 PRINCIPAL'S OFFICE
A108 ASST. PRINC. OFFICE
A109 ASST. PRINC. OFFICE
A110 COAT CLOSET
A111 STAFF TOILET
A112 TOILET
A113 STAFF TOILET
A114 NURSE GENERAL OFFICE
A115 NURSE OFFICE
A116 COMMUNITY ED. OFFICE
A117 PHY.ED. OFFICE
A118 GYM STORAGE
A119 TECHNOLOGY CLOSET
A120 JANITOR CLOSET

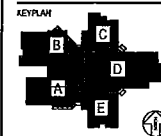
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A122 CORRIDOR
A123 CORRIDOR
A124 VESTIBULE
A125 ART
A126 KILN
A127 STORAGE
A128 ART
A129 MUSIC
A130 STORAGE
A131 MUSIC
A132 GYM VESTIBULE
A133 WOMEN'S TOILET
A134 STAIR
A135 TECHNOLOGY CLOSET
A136 GYM VESTIBULE
A137 MEN'S TOILET
A138 TOILET
A139 JANITOR CLOSET
A140 GYMNASIUM
A141 GYMNASIUM



1 FIRST FLOOR REFERENCE PLAN
A1.1

NO. ROOM NAME
E100 PASSAGE
E101 CLASSROOM
E102 CLASSROOM
E103 CONFERENCE ROOM
E104 TOILET
E105 ELEVATOR MACHINE ROOM
E106 CONFERENCE ROOM
E107 F.T.L.A.
E108 PASSAGE
E109 KINDERGARTEN CLASSROOM
E110 TOILET
E111 KINDERGARTEN CLASSROOM
E112 TOILET
E113 KINDERGARTEN CLASSROOM
E114 TOILET
E115 STAIR
E116 KINDERGARTEN CLASSROOM
E117 TOILET

NO. ROOM NAME
E118 S.S. EVALUATION
E119 S.S. EVALUATION
E120 STORAGE
E121 KINDERGARTEN CLASSROOM
E122 TOILET



DESIGNED BY
TDC
CHECKED BY
DMM
ISSUED FOR
CITY
SUBMITTAL
ISSUE DATE
December 7, 2017
SHEET NAME

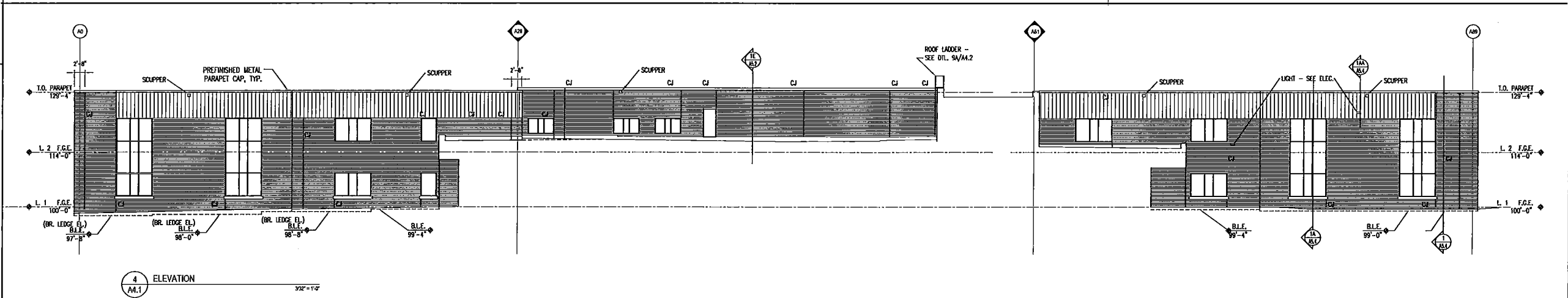
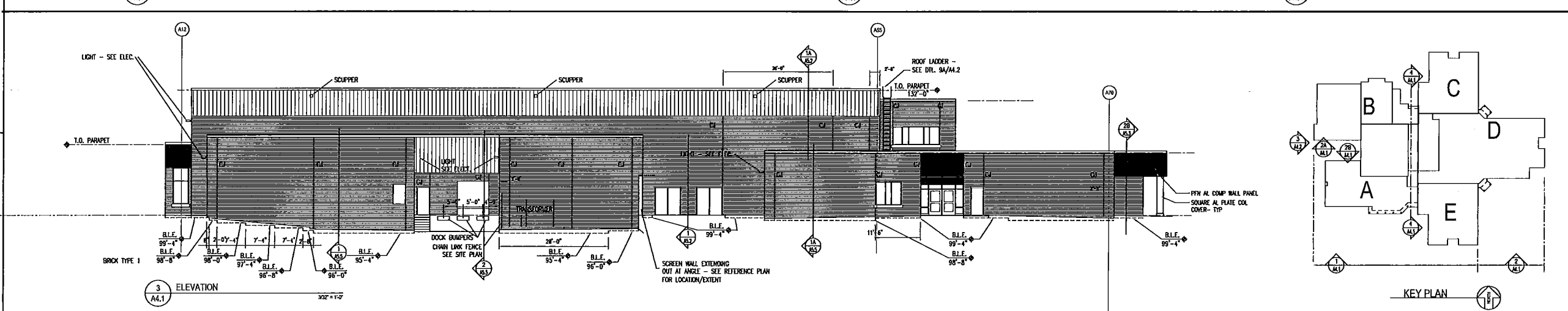
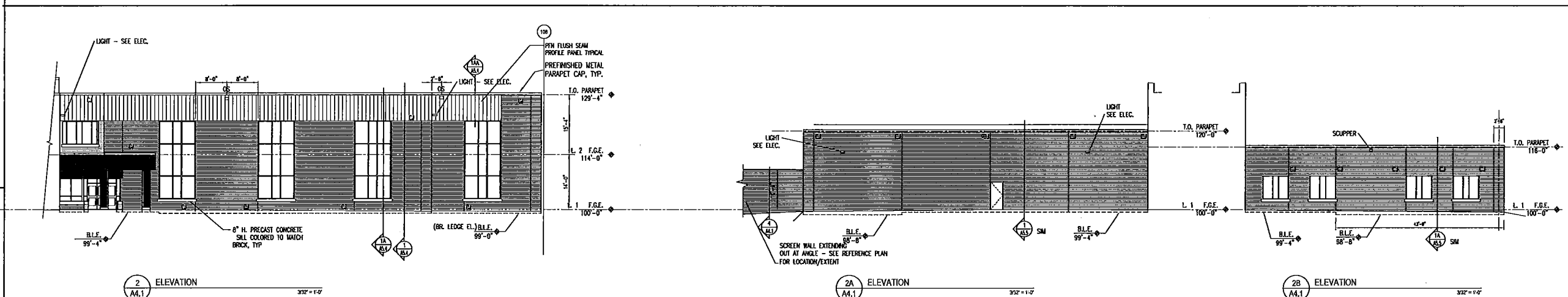
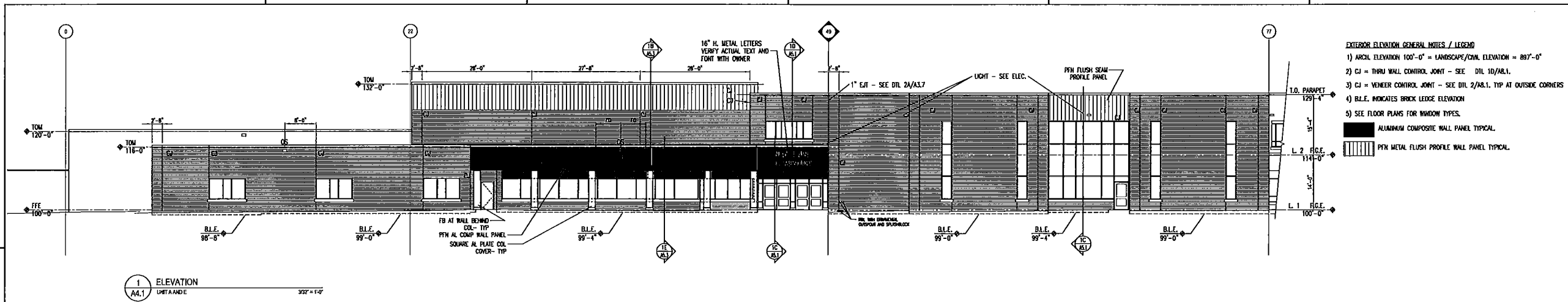
FIRST FLOOR
REFERENCE PLAN

ATS&R PROJECT NO.
17018

REVISION NO.

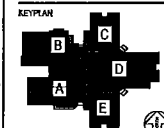
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- EXTERIOR ELEVATION GENERAL NOTES / LEGEND**
- 1) ARCH. ELEVATION 100'-0" = LANDSCAPE/CIVIL ELEVATION = 887'-0"
 - 2) CJ = THRU WALL CONTROL JOINT - SEE DTL 10/AB.1.
 - 3) CJ = VENEER CONTROL JOINT - SEE DTL 2/AB.1, TYP AT OUTSIDE CORNERS
 - 4) B.L.E. INDICATES BRICK LEDGE ELEVATION
 - 5) SEE FLOOR PLANS FOR WINDOW TYPES.
- ALUMINUM COMPOSITE WALL PANEL TYPICAL
- PTN METAL FLUSH PROFILE WALL PANEL TYPICAL



New Elementary School - Ramsey Site
16961 Nowthen Blvd NW, Ramsey MN 55303
Anoka Hennepin Schools
Anoka-Hennepin School District 11
2727 N Perry Street, Anoka MN 55303

SIGNATURE / SEAL
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.
David M. Maroney, AIA
David M. Maroney, AIA
TYPED OR PRINTED NAME
February 28, 2018
DATE
20180228
LICENSE NUMBER



DESIGNED BY
TDC

CHECKED BY
DAW

ISSUED FOR
CONSTRUCTION DOCUMENTS

ISSUE DATE
February 28, 2018

SHEET NAME
EXTERIOR ELEVATIONS

AT&R PROJECT NO.
17018

REVISION NO.

SHEET NUMBER

A4.1

New Elementary School - Ramsey Site
 16981 Northen Blvd NW, Ramsey MN 55303
Anoka Hennepin Schools
 Anoka-Hennepin School District 11
 2727 N Ferry Street, Anoka MN 55303

SIGNATURE / SEAL
 I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

SIGNATURE
 David M. Mooney, AIA
 TYPED OR PRINTED NAME
 February 28, 2018

DATE
 20180228
 LICENSE NUMBER



DRAWN BY
 TDC

CHECKED BY
 DMM

ISSUED FOR
 CONSTRUCTION
 DOCUMENTS

ISSUE DATE
 February 28, 2018

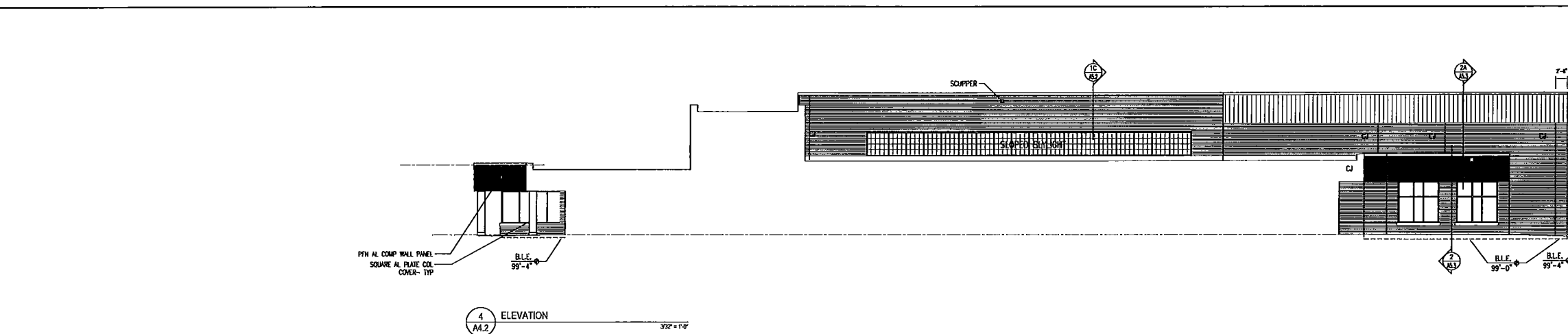
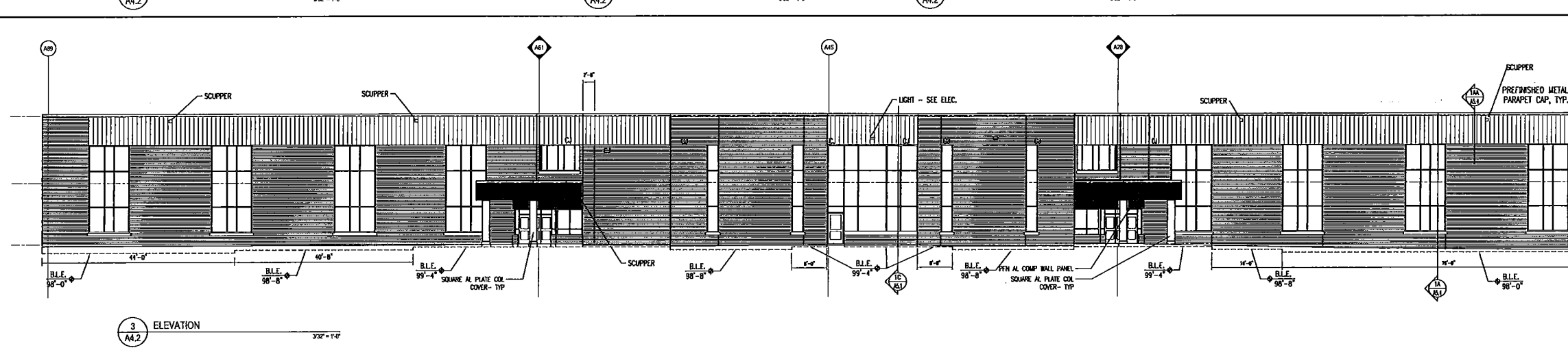
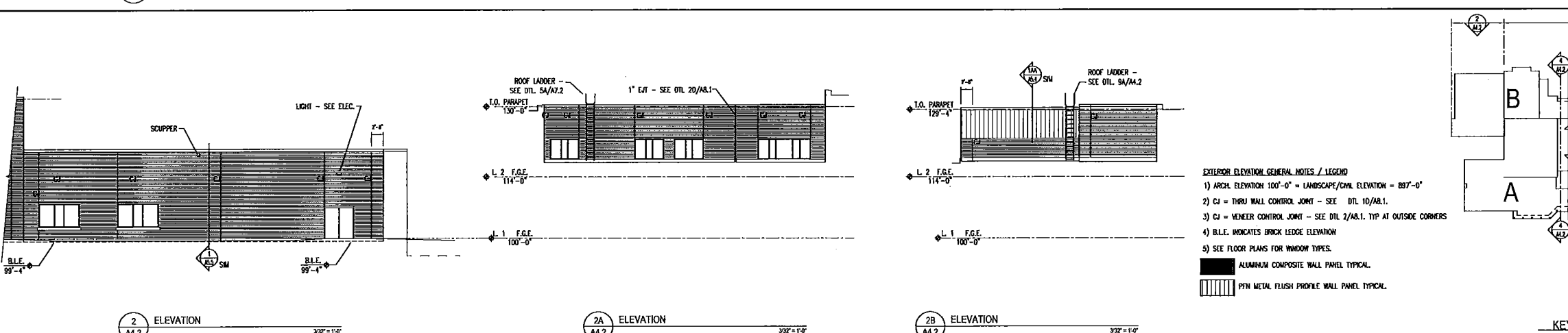
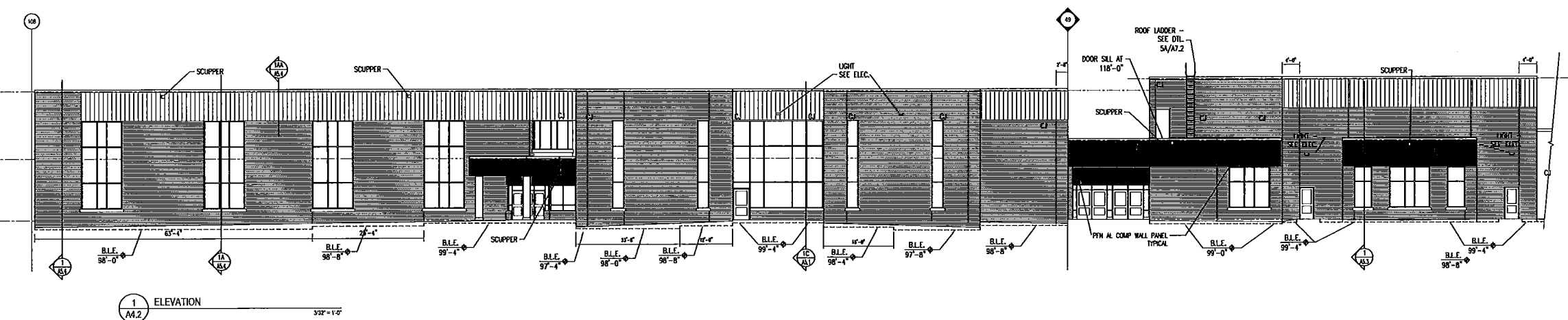
SHEET NAME
 EXTERIOR
 ELEVATIONS

ATS&R PROJECT NO.
 17018

REVISIONS

SHEET NUMBER

A4.2



- EXTERIOR ELEVATION GENERAL NOTES / LEGEND**
- 1) ARCH. ELEVATION 100'-0" = LANDSCAPE/CIVIL ELEVATION = 897'-0"
 - 2) CJ = THRU WALL CONTROL JOINT - SEE DTL. 10/A8.1
 - 3) CJ = VENEER CONTROL JOINT - SEE DTL. 2/A8.1, TYP AT OUTSIDE CORNERS
 - 4) B.L.E. INDICATES BRICK LEDGE ELEVATION
 - 5) SEE FLOOR PLANS FOR WINDOW TYPES.
- ALUMINUM COMPOSITE WALL PANEL TYPICAL
- PTN METAL FLUSH PROFILE WALL PANEL TYPICAL

KEY PLAN

NEW RAMSEY ELEMENTARY SCHOOL

16961 NOWTHEN BLVD NW, RAMSEY, MINNESOTA

ATS&R
ANASTASIOU TORSETH SOKOLOFF & RYDER, INC.
ARCHITECTURE ENGINEERING
LANDSCAPE ARCHITECTURE
8501 GOLDEN VALLEY ROAD
SUITE 300
MINNEAPOLIS, MN 55427
TEL: 763.545.3731
FAX: 763.525.2289
WEB: www.atsr.com
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2018
CONSULTANTS
ANASTASIOU, TORSETH, SOKOLOFF & RYDER, INC.
LANDSCAPE ARCHITECTURE
PLANNING
DESIGN
CONSTRUCTION
MANAGEMENT
CITY OF RAMSEY

ANOKA- HENNEPIN SCHOOLS - ISD 11

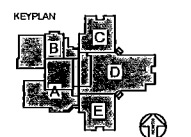
2727 Ferry Street Anoka, MN 55303

REVISIONS
CITY UPDATES: 04/18/2018

NEW RAMSEY ELEMENTARY SCHOOL
16961 NOWTHEN BLVD NW, RAMSEY, MINNESOTA
Anoka-Hennepin Schools
Anoka-Hennepin School District 11
2727 N Ferry Street, Anoka MN 55303

SIGNATURE/SEAL
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Minnesota.

SIGNATURE
JAY R. POMEROY
TYPED OR PRINTED NAME
02-28-2018
DATE
23543
LICENSE NUMBER



DRAWN BY

CLG

CHECKED BY

JRP

ISSUED FOR

CONSTRUCTION

DOCUMENTS

ISSUE DATE

04/10/2018

SHEET NAME

TITLE

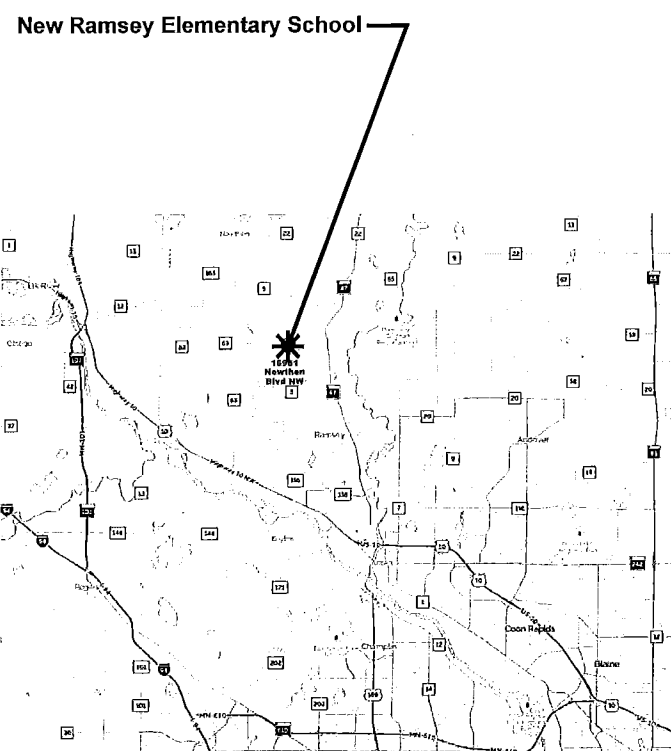
8-SHEET

PROJECT NO.

AJA - 17119

SHEET NUMBER

VICINITY MAP



GENERAL NOTES

1. REFER TO SHEET C1.41- GRADING AND DRAINAGE PLAN (NORTH) FOR RELATED INFORMATION.
2. ALL CONSTRUCTION MUST COMPLY WITH APPLICABLE STATE AND LOCAL ORDINANCES.
3. THE CONTRACTOR WILL BE RESPONSIBLE FOR AND SHALL PAY FOR ALL CONSTRUCTION STAKING / LAYOUT.
4. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL RELATED CONSTRUCTION PERMITS, INCLUDING THE NPDES PERMIT FROM THE MPCA. SUBMIT A COPY OF ALL PERMITS TO THE CITY.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL SIGNAGE (CONSTRUCTION ZONES) NECESSARY TO CONSTRUCT PROPOSED IMPROVEMENTS. ALL SIGNAGE LAYOUTS MUST BE DESIGNED BY THE CONTRACTOR AND APPROVED BY LOCAL AUTHORITIES.
6. INSTALL CONTROL FENCING AND BARRICADING AS NECESSARY TO PROTECT THE PUBLIC.
7. INSPECT SITE AND REVIEW SOIL BORINGS TO DETERMINE EXTENT OF WORK AND NATURE OF MATERIALS TO BE HANDLED.
8. REFER TO SPECIFICATIONS FOR DEWATERING REQUIREMENTS.
9. CHECK ALL PLAN AND DETAIL DIMENSIONS AND VERIFY SAME BEFORE FIELD LAYOUT.
10. REFER TO ARCHITECTURAL PLANS FOR BUILDING AND STOOD DIMENSIONS AND LAYOUT.
11. REFER TO THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) NARRATIVE, PART OF SECTION 01 85 13, FOR EROSION CONTROL REQUIREMENTS. SECTION 31 00 00 SHALL BE RESPONSIBLE FOR FULL IMPLEMENTATION OF THE SWPPP.
12. MAINTAIN ADJACENT PROPERTY AND PUBLIC STREETS CLEAN FROM CONSTRUCTION CAUSED DIRT AND DEBRIS ON A DAILY BASIS. PROTECT DRAINAGE SYSTEMS FROM SEDIMENTATION AS A RESULT OF CONSTRUCTION RELATED DIRT AND DEBRIS.
13. MAINTAIN DUST CONTROL DURING GRADING OPERATIONS.
14. ALL EROSION CONTROL METHODS SHALL COMPLY WITH MPCA AND LOCAL REGULATIONS.
15. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO SITE AND PROTECT EXISTING SITE FEATURES (INCLUDING TURF AND VEGETATION) WHICH ARE TO REMAIN.
16. PROPOSED CONTOURS AND SPOT ELEVATIONS ARE SHOWN TO FINISH GRADE UNLESS OTHERWISE NOTED.
17. PROPOSED ELEVATIONS SHOWN TYPICALLY AS 95.1 OR 95 SHALL BE UNDERSTOOD TO MEAN 905.1 OR 905.
18. SPOT ELEVATIONS SHOWN IN PARKING LOTS, DRIVES AND ROADS INDICATE GUTTER GRADES, UNLESS NOTED OTHERWISE. SPOT ELEVATIONS WITH LABELS OUTSIDE THE BUILDING PERIMETER INDICATE PROPOSED GRADES OUTSIDE THE BUILDING. SPOT ELEVATIONS WITH LABELS INSIDE THE BUILDING PERIMETER INDICATE PROPOSED FINISH FLOOR ELEVATIONS.
19. IT IS INTENDED THAT EARTHWORK (CUT VS. FILL) BALANCE ON SITE. GENERALLY, THE SOFTBALL FIELDS AND OPEN PLAY AREA SHALL BE THE AREA FOR ADJUSTMENT. THE CONTRACTOR SHALL SUBMIT THE QUANTITY OF MATERIAL AND AMOUNT OF ANTICIPATED GRADE ADJUSTMENT FOR REVIEW BY THE ENGINEER A MINIMUM OF FOUR WEEKS PRIOR TO MAKING ADJUSTMENTS. ALL GRADE ADJUSTMENTS MUST BE APPROVED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR WORK ASSOCIATED WITH GRADING ADJUSTMENTS, INCLUDING, BUT NOT LIMITED TO, EARTHWORK OPERATIONS, STORM SEWER PIPING AND STRUCTURE ADJUSTMENTS, CONSTRUCTION SURVEYING FOR ADJUSTING FEATURE LOCATIONS ACCORDINGLY, SILT FENCE, ETC.
20. NO FINISHED SLOPES SHALL EXCEED 3' HORIZONTAL TO 1' VERTICAL (3:1), UNLESS OTHERWISE NOTED.
21. ALL DISTURBED AREAS OUTSIDE THE BUILDING PAD WHICH ARE NOT DESIGNATED TO BE PAVED OR RECEIVE AGLIME, SHALL RECEIVE AT LEAST 6" OF TOPSOIL AND SHALL BE SEEDED OR SODDED. REFER TO SHEET L1.11- LANDSCAPING PLAN, FOR SOD AND SEED LOCATIONS. ALL OTHER AREAS DISTURBED BY CONSTRUCTION NOT SPECIFICALLY IDENTIFIED TO RECEIVE A CERTAIN SEED MIX SHALL BE SEEDED WITH SEED MIX #1.
22. WHERE NEW SOD MEETS EXISTING SOD, EXISTING SOD EDGES SHALL BE CUT TO ALLOW FOR A CONSISTENT, UNIFORM STRAIGHT EDGE. JAGGED OR UNEVEN EDGES WILL NOT BE ACCEPTABLE. REMOVE TOPSOIL AT JOINT BETWEEN EXISTING AND NEW AS REQUIRED TO ALLOW NEW SOD SURFACE TO BE FLUSH WITH EXISTING.
23. FAILURE OF TURF DEVELOPMENT: IN THE EVENT THE CONTRACTOR FAILS TO PROVIDE AN ACCEPTABLE TURF, THE CONTRACTOR SHALL RE-SEED OR RE-SOD ALL APPLICABLE AREAS, AT NO ADDITIONAL COST TO THE OWNER, TO THE SATISFACTION OF THE ENGINEER.
24. ANY MANHOLE, CATCH BASIN, STORM SEWER, SANITARY SEWER, DRAINILE OR OTHER POTENTIAL SOURCE FOR CONTAMINATION SHALL BE INSTALLED AT LEAST 10 FEET HORIZONTALLY FROM ANY WATERMAIN PER MINNESOTA PLUMBING CODE. THIS ISOLATION DISTANCE SHALL BE MEASURED FROM THE OUTER EDGE OF THE PIPE TO THE OUTER EDGE OF THE CONTAMINATION SOURCE (OUTER EDGE OF STRUCTURES OR PIPING OR SIMILAR).
25. LOCATE ALL EXISTING UTILITIES, VERIFY LOCATION, SIZE AND INVERT ELEVATION OF ALL EXISTING UTILITIES. VERIFY LOCATIONS, SIZES AND ELEVATIONS OF SAME BEFORE BEGINNING CONSTRUCTION.
26. A POST CONSTRUCTION TEST WILL BE CONDUCTED ON THE INFILTRATION BASIN BY FILLING THE BASIN TO A MINIMUM DEPTH OF 6 INCHES WITH WATER AND MONITORING THE NECESSARY AMOUNT OF TIME TO DRAIN. THE COON CREEK WATERSHED DISTRICT SHALL BE NOTIFIED 72 HOURS PRIOR TO TESTING TO WITNESS THE RESULTS.
27. ALL DISTURBED AREAS OUTSIDE THE BUILDING PAD WHICH ARE NOT DESIGNATED TO BE PAVED OR RECEIVE AGLIME, SHALL RECEIVE AT LEAST 4" OF TOPSOIL - REFER TO DETAIL 10C1.42 - AND SHALL BE SEEDED OR SODDED. REFER TO SHEET L1.11- LANDSCAPING PLAN, FOR SOD AND SEED LOCATIONS. ALL OTHER AREAS DISTURBED BY CONSTRUCTION NOT SPECIFICALLY IDENTIFIED TO RECEIVE A CERTAIN SEED MIX SHALL BE SEEDED WITH SEED MIX #1.
28. ALL WATERMAIN SHALL HAVE MINIMUM 8'-4" BURY (TOP OF PIPE TO FINISH GRADE).
29. THE CONTRACTOR SHALL HAVE A PICKUP TRUCK TYPE SWEEPER ON SITE OR AVAILABLE WITHIN 3 HOURS WHEN NOTIFIED BY THE CITY THAT SWEEPING IS REQUIRED. THE CITY RESERVED THE RIGHT TO DO THE WORK AND BILL THE DEVELOPER'S ESCROW IF THE WORK IS NOT DONE IN A TIMELY MANNER. WATER FOR DUST CONTROL MAY NOT BE OBTAINED FROM HYDRANTS. THE CITY HAS A WATER FILL STATION AT QUICKSILVER ST., SOUTH OF 16TH AVENUE FOR WATER.
30. HOURS OF CONSTRUCTION ARE 7:00 AM TO 10:00 PM. NO EQUIPMENT MAY BE STARED BEFORE 7:00 AM. SITE WORK ON SATURDAY REQUIRES 72 HOUR ADVANCE NOTICE FOR APPROVAL. SUNDAY WORK REQUIRES CITY COUNCIL APPROVAL. MEETINGS ARE THE 2ND AND 4TH TUESDAYS. REQUESTS MUST BE SUBMITTED ONE WEEK BEFORE INCLUSION ON THE AGENDA.
31. MAINTAIN ADJACENT PROPERTY AND PUBLIC STREETS CLEAN FROM CONSTRUCTION CAUSED DIRT AND DEBRIS ON A DAILY BASIS. PROTECT DRAINAGE SYSTEMS FROM SEDIMENTATION AS A RESULT OF CONSTRUCTION RELATED DIRT AND DEBRIS.
32. IF EROSION AND SEDIMENT CONTROL MEASURES TAKEN ARE NOT ADEQUATE AND RESULT IN DOWNSTREAM SEDIMENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING OUT DOWNSTREAM STORM SEWERS AS NECESSARY, INCLUDING ASSOCIATED RESTORATION.
33. PERIMETER EROSION CONTROL DEVICES (SILT FENCE, ROCK ENTRANCE, INLET PROTECTION, ETC.) INSTALLED BY THE CONTRACTOR SHALL BE INSPECTED BY THE CITY PRIOR TO ANY LAND DISTURBING ACTIVITIES. CONTRACTOR MUST PROVIDE 24 HOUR NOTICE TO THE CITY FOR INSPECTION.

DRAWING INDEX

C0.00	COVER SHEET
C1.11	SITE REMOVALS PLAN (NORTH)
C1.12	SITE REMOVALS PLAN (SOUTH)
C1.21	SITE LAYOUT PLAN
C1.31	SITE FINISHING PLAN
C1.41	GRADING AND DRAINAGE PLAN (NORTH)
C1.42	GRADING AND DRAINAGE PLAN (SOUTH)
C1.51	SITE UTILITY PLAN (NORTH)
C1.52	SITE UTILITY PLAN (SOUTH)
C1.61	SEDIMENT AND EROSION CONTROL PLAN (SWPPP)
C2.11	SITE DETAILS
C2.12	SITE DETAILS
C2.13	SITE DETAILS
L1.11	LANDSCAPE PLAN (NORTH)
L1.12	LANDSCAPE PLAN (SOUTH)
L1.21	IRRIGATION PLAN
L1.31	SITE DETAILS
A4.1	EXTERIOR ELEVATIONS
A4.2	EXTERIOR ELEVATIONS
E1.1	ELECTRICAL SITE PLAN
EXH1	BOUNDARY, LOCATION, TOPOGRAPHIC AND UTILITY SURVEY (1 OF 2)
EXH2	BOUNDARY, LOCATION, TOPOGRAPHIC AND UTILITY SURVEY (2 OF 2)

C0.00

C1.00

NEW RAMSEY ELEMENTARY SCHOOL
18961 NORTHERN BLVD NW, RAMSEY, MINNESOTA
Anoka Hennepin Schools
Anoka-Hennepin School District 11
2727 N Ferry Street, Anoka MN 55303

SIGNATURE / SEAL

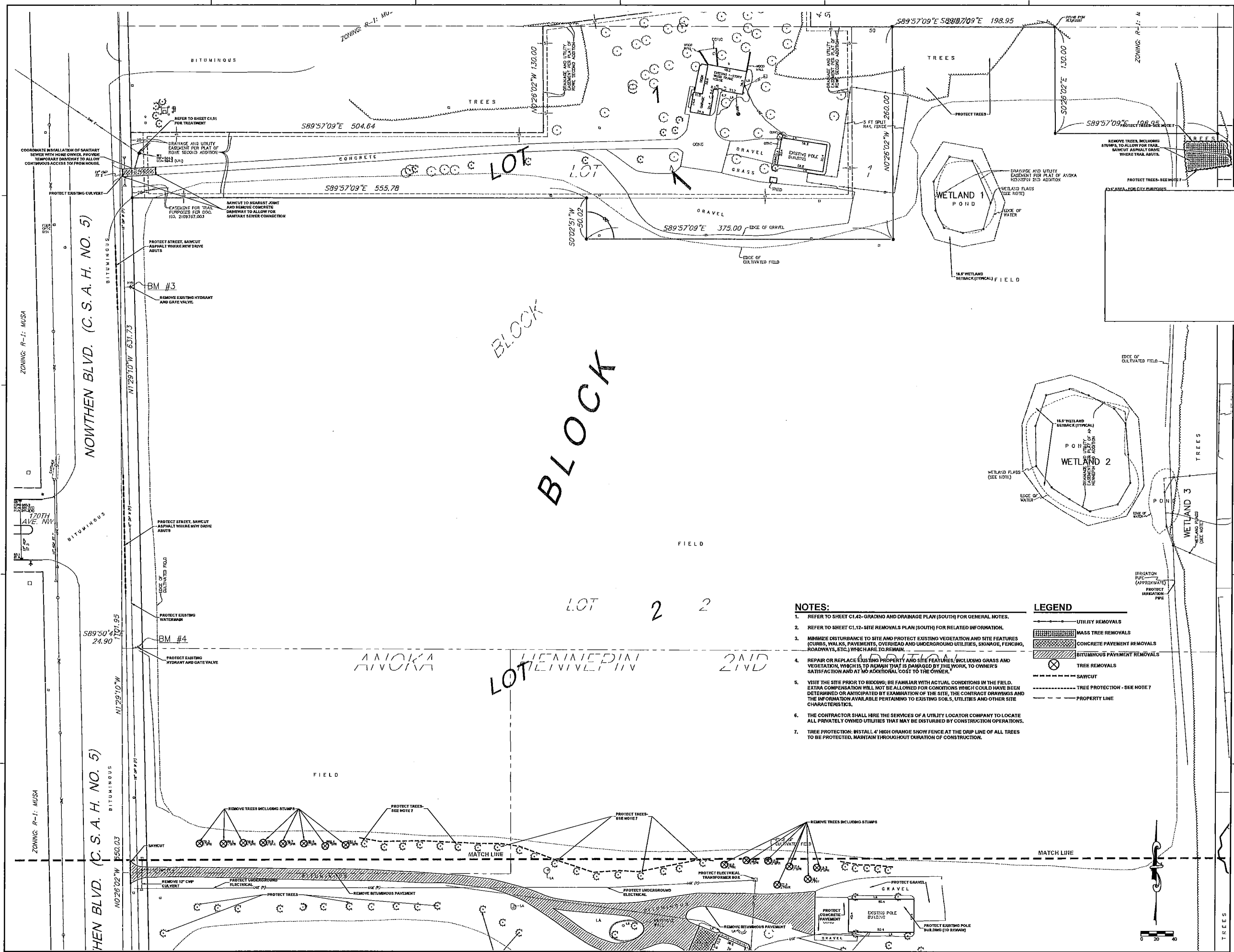
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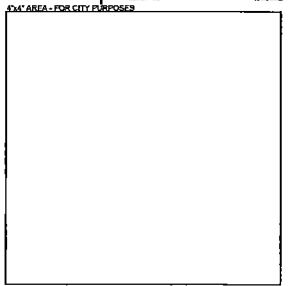
SIGNATURE: JAYE POMEROY
TYPED OR PRINTED NAME: JAYE POMEROY
DATE: 02-28-2018
DATE: 2/28/2018
LICENSE NUMBER: 23543

KEYPLAN



DRAWN BY: CLG
CHECKED BY: JRP
ISSUED FOR: CONSTRUCTION DOCUMENTS
ISSUE DATE: 02/28/2018
SHEET NAME: SITE REMOVALS PLAN (NORTH)
PROJECT NO: AJA - 17119
SHEET NUMBER: C1.11



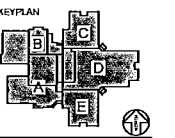


REVISIONS
CITY UPDATES: 04/18/2018

NEW RAMSEY ELEMENTARY SCHOOL
18961 NOWTHEN BLVD NW, RAMSEY, MINNESOTA
Anoka Hennepin Schools
Anoka-Hennepin School District 11
2727 N Ferry Street, Anoka MN 55303

SIGNATURE/SEAL
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

SEALING
JAYLE POMEROY
TYPED OR PRINTED NAME
02-28-2018
DATE
23543
LICENSE NUMBER



DRAWN BY
CLG
CHECKED BY
JRP
ISSUED FOR
CONSTRUCTION DOCUMENTS
ISSUE DATE
07/28/2018
SHEET NAME
SITE REMOVALS
PLAN
(SOUTH)
PROJECT NO.
AJA - 17119
SHEET NUMBER

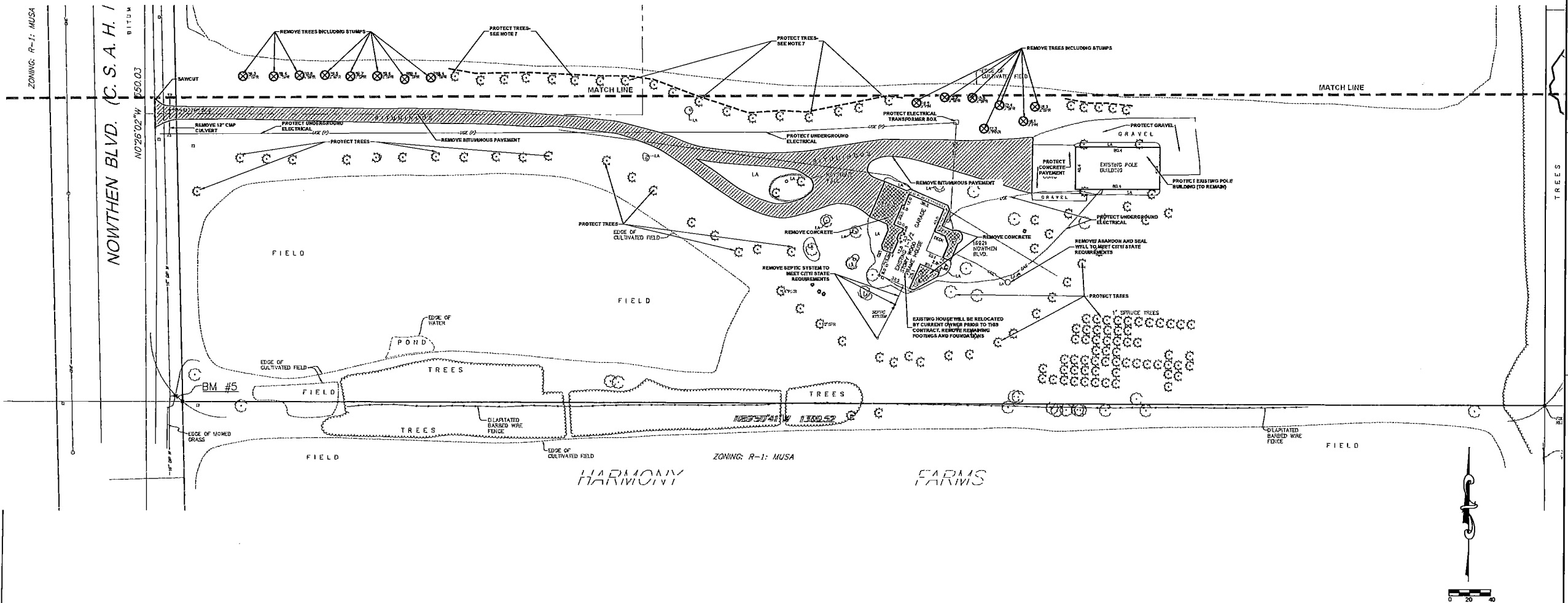
C1.12

NOTES:

1. REFER TO SHEET C1.42- GRADING AND DRAINAGE PLAN (SOUTH) FOR GENERAL NOTES.
2. REFER TO SHEET C1.11- SITE REMOVALS PLAN (NORTH) FOR RELATED INFORMATION.
3. MINIMIZE DISTURBANCE TO SITE AND PROTECT EXISTING VEGETATION AND SITE FEATURES (CURBS, WALKS, PAVEMENTS, OVERHEAD AND UNDERGROUND UTILITIES, SIGNAGE, FENCING, ROADWAYS, ETC.) WHICH ARE TO REMAIN.
4. REPAIR OR REPLACE EXISTING PROPERTY AND SITE FEATURES, INCLUDING GRASS AND VEGETATION, WHICH IS TO REMAIN THAT IS DAMAGED BY THE WORK, TO OWNER'S SATISFACTION AND AT NO ADDITIONAL COST TO THE OWNER.
5. VISIT THE SITE PRIOR TO BIDDING; BE FAMILIAR WITH ACTUAL CONDITIONS IN THE FIELD. EXTRA COMPENSATION WILL NOT BE ALLOWED FOR CONDITIONS WHICH COULD HAVE BEEN DETERMINED OR ANTICIPATED BY EXAMINATION OF THE SITE, THE CONTRACT DRAWINGS AND THE INFORMATION AVAILABLE PERTAINING TO EXISTING SOILS, UTILITIES AND OTHER SITE CHARACTERISTICS.
6. THE CONTRACTOR SHALL HIRE THE SERVICES OF A UTILITY LOCATOR COMPANY TO LOCATE ALL PRIVATELY OWNED UTILITIES THAT MAY BE DISTURBED BY CONSTRUCTION OPERATIONS.
7. TREE PROTECTION: INSTALL 4' HIGH ORANGE SNOW FENCE AT THE DRIP LINE OF ALL TREES TO BE PROTECTED, MAINTAIN THROUGHOUT DURATION OF CONSTRUCTION.

LEGEND

- UTILITY REMOVALS
- MASS TREE REMOVALS
- CONCRETE PAVEMENT REMOVALS
- BITUMINOUS PAVEMENT REMOVALS
- TREE REMOVALS
- SAWCUT
- TREE PROTECTION - SEE NOTE 7
- PROPERTY LINE

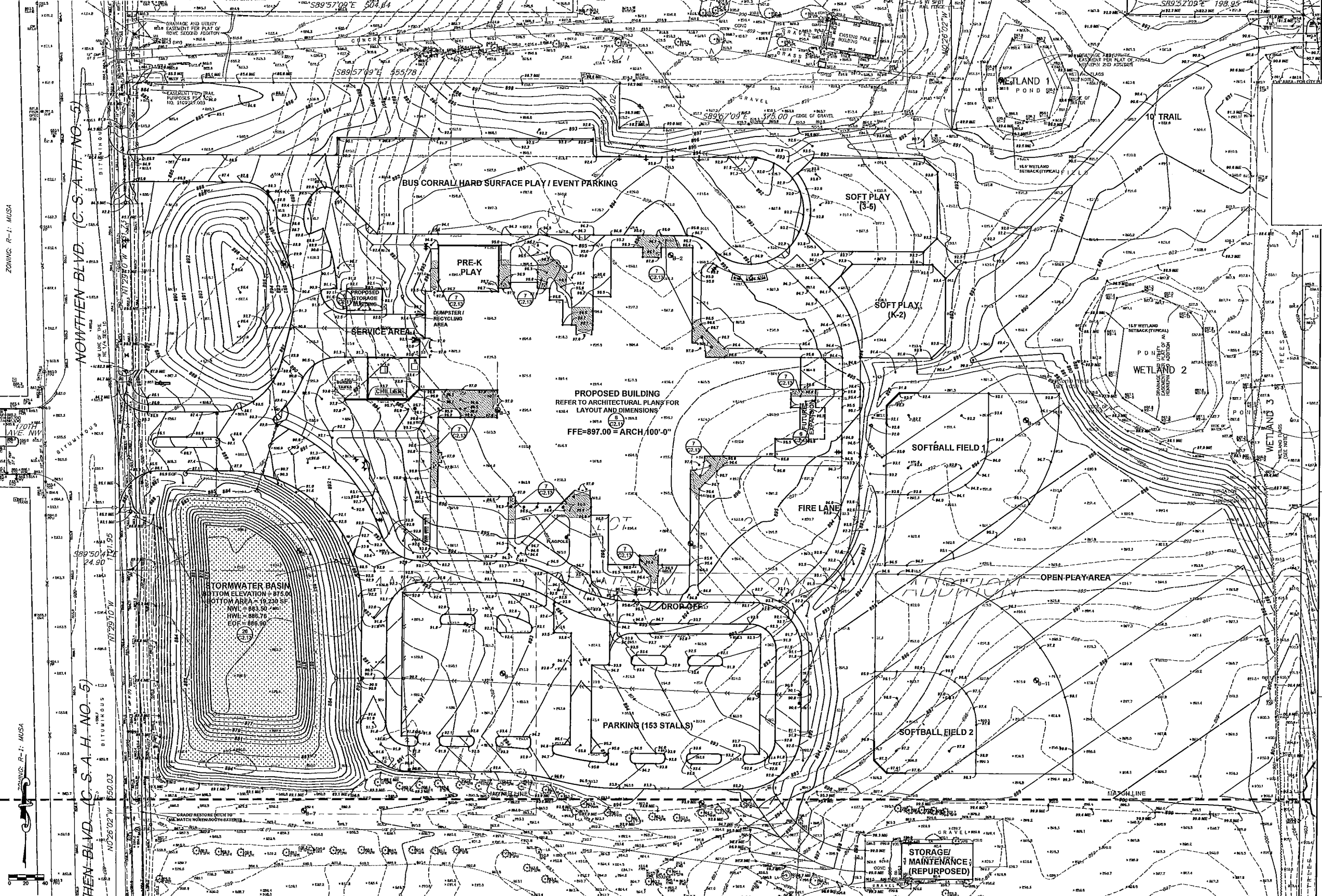


LEGEND

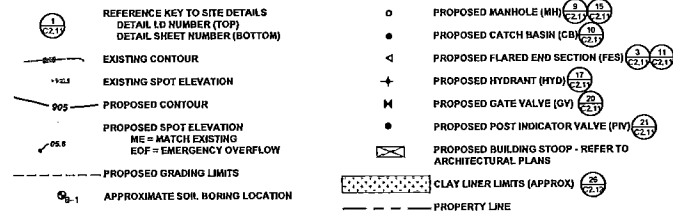
- REFERENCE KEY TO SITE DETAILS
 DETAIL I.D. NUMBER (TOP)
 DETAIL SHEET NUMBER (BOTTOM)
- EXISTING CONTOUR
 EXISTING SPOT ELEVATION
 PROPOSED CONTOUR
 PROPOSED SPOT ELEVATION
 ME = MATCH EXISTING
 EOF = EMERGENCY OVERFLOW
- PROPOSED GRADING LIMITS
 APPROXIMATE SOIL BORING LOCATION
- PROPOSED MANHOLE (MH)
 PROPOSED CATCH BASIN (CB)
 PROPOSED FLARED END SECTION (FES)
 PROPOSED HYDRANT (HYD)
 PROPOSED GATE VALVE (GV)
 PROPOSED POST INDICATOR VALVE (PIV)
 PROPOSED BUILDING STOOP - REFER TO ARCHITECTURAL PLANS
 CLAY LINER LIMITS (APPROX)

NOTES

1. REFER TO SHEET C1.42-GRADING AND DRAINAGE PLAN (SOUTH) FOR GENERAL NOTES.



LEGEND



GENERAL NOTES

- REFER TO SHEET C1.41- GRADING AND DRAINAGE PLAN (NORTH) FOR RELATED INFORMATION.
- ALL CONSTRUCTION MUST COMPLY WITH APPLICABLE STATE AND LOCAL ORDINANCES.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR AND SHALL PAY FOR ALL CONSTRUCTION STAKING LAYOUT.
- THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL RELATED CONSTRUCTION PERMITS, INCLUDING THE MPFS PERMIT FROM THE MPCA. SUBMIT A COPY OF ALL PERMITS TO THE CITY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL, SIGNAGE (CONSTRUCTION ZONES) NECESSARY TO CONSTRUCT PROPOSED IMPROVEMENTS. ALL SIGNAGE LAYOUTS MUST BE DESIGNED BY THE CONTRACTOR AND APPROVED BY LOCAL AUTHORITIES.
- INSTALL CONTROL FENCING AND BARRICADES AS NECESSARY TO PROTECT THE PUBLIC.
- INSPECT SITE AND REVIEW SOIL BORINGS TO DETERMINE EXTENT OF WORK AND NATURE OF MATERIALS TO BE HANDLED.
- REFER TO SPECIFICATIONS FOR DEWATERING REQUIREMENTS.
- CHECK ALL PLAN AND DETAIL DIMENSIONS AND VERIFY SAME BEFORE FIELD LAYOUT.
- REFER TO ARCHITECTURAL PLANS FOR BUILDING AND STOOP DIMENSIONS AND LAYOUT.
- REFER TO THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) NARRATIVE, PART OF SECTION 81 BY 13, FOR EROSION CONTROL REQUIREMENTS. SECTION 31 00 00 SHALL BE RESPONSIBLE FOR FULL IMPLEMENTATION OF THE SWPPP.
- MAINTAIN ADJACENT PROPERTY AND PUBLIC STREETS CLEAN FROM CONSTRUCTION CAUSED DIRT AND DEBRIS ON A DAILY BASIS. PROTECT DRAINAGE SYSTEMS FROM SEDIMENTATION AS A RESULT OF CONSTRUCTION RELATED DIRT AND DEBRIS.
- MAINTAIN DUST CONTROL DURING GRADING OPERATIONS.
- ALL EROSION CONTROL METHODS SHALL COMPLY WITH MPCA AND LOCAL REGULATIONS.
- CONTRACTOR SHALL MINIMIZE DISTURBANCE TO SITE AND PROTECT EXISTING SITE FEATURES (INCLUDING TURF AND VEGETATION) WHICH ARE TO REMAIN.
- PROPOSED CONTOURS AND SPOT ELEVATIONS ARE SHOWN TO FINISH GRADE UNLESS OTHERWISE NOTED.
- PROPOSED ELEVATIONS SHOWN TYPICALLY AS 65.1 OR 65.5 SHALL BE UNDERSTOOD TO MEAN 65.1 OR 65.5.
- SPOT ELEVATIONS SHOWN IN PARKING LOTS, DRIVES AND ROADS INDICATE GUTTER GRADES, UNLESS NOTED OTHERWISE. SPOT ELEVATIONS WITH LABELS OUTSIDE THE BUILDING PERIMETER INDICATE PROPOSED GRADES OUTSIDE THE BUILDING. SPOT ELEVATIONS WITH LABELS INSIDE THE BUILDING PERIMETER INDICATE PROPOSED FINISH FLOOR ELEVATIONS.
- IT IS INTENDED THAT EARTHWORK (CUT VS. FILL) BALANCE ON SITE. GENERALLY, THE SOFTBALL FIELD AND OPEN PLAY AREA SHALL BE THE AREA FOR ADJUSTMENT. THE CONTRACTOR SHALL SUBMIT THE QUANTITY OF MATERIAL AND AMOUNT OF ANTICIPATED GRADE ADJUSTMENT FOR REVIEW BY THE ENGINEER A MINIMUM OF FOUR WEEKS IN ADVANCE. GRADE ADJUSTMENTS, INCLUDING, BUT NOT LIMITED TO, EARTHWORK, STORM SEWER PIPING AND STRUCTURE ADJUSTMENTS, CONSTRUCTION SURVEYING FOR ADJUSTING FEATURE LOCATIONS ACCORDINGLY, SILT FENCE, ETC.
- NO FINISHED SLOPES SHALL EXCEED 3' HORIZONTAL TO 1' VERTICAL (3:1), UNLESS OTHERWISE NOTED.
- ALL DISTURBED AREAS OUTSIDE THE BUILDING PAD WHICH ARE NOT DESIGNATED TO BE PAVED OR RECEIVE AGLM, SHALL RECEIVE AT LEAST 4" OF TOPSOIL, AND SHALL BE SEED OR SOODED. REFER TO SHEET L1.11- LANDSCAPING PLAN, FOR SOO AND SEED LOCATIONS. ALL OTHER AREAS DISTURBED BY CONSTRUCTION NOT SPECIFICALLY IDENTIFIED TO RECEIVE A CERTAIN SEED MIX SHALL BE SEED WITH SEED MIX #1.
- WHERE NEW SOO MEETS EXISTING SOO, EXISTING SOO EDGE SHALL BE CUT TO ALLOW FOR A CONSISTENT, UNIFORM STRAIGHT EDGE. JOINTS OR UNEVEN EDGES WILL NOT BE ACCEPTABLE. REMOVE TOPSOIL AT JOINT BETWEEN EXISTING AND NEW AS REQUIRED TO ALLOW NEW SOO SURFACE TO BE FLUSH WITH EXISTING.
- FAILURE OF TURF DEVELOPMENT: IN THE EVENT THE CONTRACTOR FAILS TO PROVIDE AN ACCEPTABLE TURF, THE CONTRACTOR SHALL RESEED OR RESOO ALL APPLICABLE AREAS, AT NO ADDITIONAL COST TO THE OWNER, TO THE SATISFACTION OF THE ENGINEER.
- ANY MANHOLE, CATCH BASIN, STORM SEWER, SANITARY SEWER, DRAINAGE OR OTHER POTENTIAL SOURCE FOR CONTAMINATION SHALL BE INSTALLED AT LEAST 10 FEET HORIZONTALLY FROM ANY WATERMAIN PER MINNESOTA PLUMBING CODE. THIS ISOLATION DISTANCE SHALL BE MEASURED FROM THE OUTER EDGE OF THE PIPE TO THE OUTER EDGE OF THE CONTAMINATION SOURCE (OUTER EDGE OF STRUCTURES OR PIPING OR SIMILAR).
- LOCATE ALL EXISTING UTILITIES, VERIFY LOCATION, SIZE AND INVERT ELEVATION OF ALL EXISTING UTILITIES. VERIFY LOCATIONS, SIZES AND ELEVATIONS OF SAME BEFORE BEGINNING CONSTRUCTION.
- A POST CONSTRUCTION TEST WILL BE CONDUCTED ON THE INFILTRATION BASIN BY FILLING THE BASIN TO A MINIMUM DEPTH OF 6 INCHES WITH WATER AND MONITORING THE NECESSARY AMOUNT OF TIME TO DRAIN. THE CROWN CREEK WATERSHED DISTRICT SHALL BE NOTIFIED 72 HOURS PRIOR TO TESTING TO WITNESS THE RESULTS.
- ALL DISTURBED AREAS OUTSIDE THE BUILDING PAD WHICH ARE NOT DESIGNATED TO BE PAVED OR RECEIVE AGLM, SHALL RECEIVE AT LEAST 4" OF TOPSOIL. - REFER TO DETAIL C1.42 - AND SHALL BE SEED OR SOODED. REFER TO SHEET L1.11- LANDSCAPING PLAN, FOR SOO AND SEED LOCATIONS. ALL OTHER AREAS DISTURBED BY CONSTRUCTION NOT SPECIFICALLY IDENTIFIED TO RECEIVE A CERTAIN SEED MIX SHALL BE SEED WITH SEED MIX #1.
- ALL WATERMAIN SHALL HAVE MINIMUM 8" BURY (TOP OF PIPE TO FINISH GRADE).

MNDOT 2016 SPEC

MNDOT 2016 SPEC TABLE 3877-1 COMMON TOPSOIL BORROW REQUIREMENT	RANGE	TEST METHOD
MATERIAL PASSING THE 3/4" IN [19MM]	100%	ASTM D 422
MATERIAL PASSING NO. 4 [4.75MM]	>85%	-
CLAY	5% - 35%	ASTM D 422
SILT	5% - 70%	ASTM D 422
SAND	10% - 75%	ASTM D 422
ORGANIC MATTER	1% - 15%	ASTM D 2014
pH	6.1 - 7.8	ASTM C 51

NOTE:

- INSTALLATION OF 4" OF TOPSOIL MEETING MNDOT SPECIFICATION 3877A COMMON TOPSOIL BORROW, MAY BE REQUIRED ACROSS ALL DISTURBED AREAS.
- A SOIL CERTIFICATION FROM A GEOTECHNICAL FIRM MUST BE PROVIDED VERIFYING THE TOPSOIL MEETS SPECIFICATION ALONG WITH LOAD TICKETS TO VERIFY THE SOURCE OF MATERIAL AND QUANTITY.
- TOPSOIL MUST COME FROM A CITY APPROVED SOURCE.

APPROVED:
1 - 2016



CITY PLATE No.
ERO-6

STANDARD DETAILS:
TOPSOIL REQUIREMENTS

TOPSOIL REQUIREMENTS

TABLE A MODIFIED CLASS 5 SPECIFICATIONS

% PASSING

1"	100
3/4"	90 - 100
3/8"	50 - 80
No.4	35 - 70
No.10	20 - 60
No.40	10 - 35
No.200	5 - 10

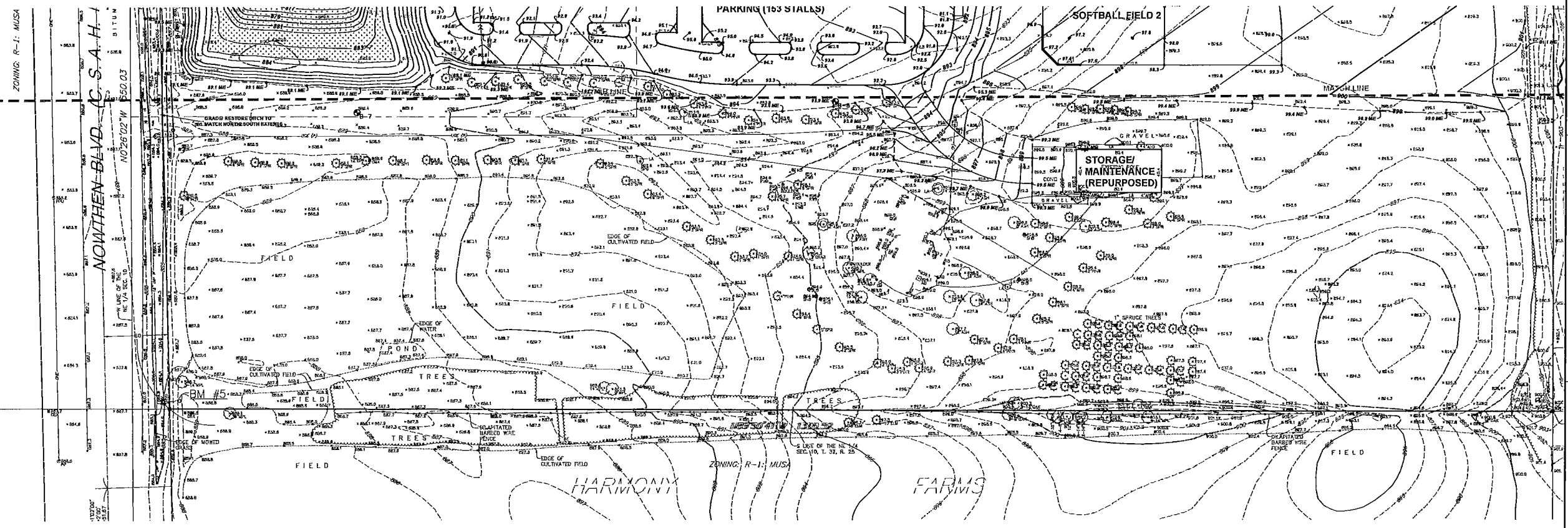
- NOTES:
- THE AGGREGATE BASE CONSTRUCTION WILL BE ACCEPTED FOR PAYMENT IN ACCORDANCE WITH THE PROVISIONS IN TABLE A.
 - IF THE AGGREGATE BASE FAILS TO MEET THE REQUIREMENTS OF TABLE A, THE MATERIAL CAN BE CORRECTED IN PLACE OR REMOVED AND REPLACED WITH MATERIAL THAT MEET THE REQUIREMENTS OF TABLE A.
 - IN THE EVENT THAT RECYCLED MATERIAL IS USED IT MUST MEET MNDOT REQUIREMENTS FOR RECYCLED BASE.

APPROVED:
2 - 2013



CITY PLATE No.
STR-26

MODIFIED CLASS 5 SPECIFICATIONS



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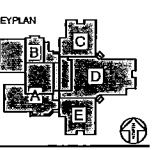
CONSULTANTS
ATA
ARCHITECTURAL, TRAFFIC, & SURVEYING
11000 15TH AVE. N. #100
PLYMOUTH, MN 55442

REVISIONS
CITY UPDATES: 04/18/2018

NEW RAMSEY ELEMENTARY SCHOOL
16961 NORTHEN BLVD NW, RAMSEY, MINNESOTA
Anoka Hennepin Schools
Anoka-Hennepin School District 11
2727 N Ferry Street, Anoka MN 55303

SIGNATURE/ SEAL
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

SIGNATURE
JAY R. POMEROY
TYPED OR PRINTED NAME
02-28-2018
DATE
21541
LICENSE NUMBER



DRAWN BY
CLG
CHECKED BY
JRP
ISSUED FOR
CONSTRUCTION DOCUMENTS
ISSUE DATE
02/28/2018
SHEET NAME
GRADING AND DRAINAGE PLAN (SOUTH)

PROJECT NO.
AJA - 17119
SHEET NUMBER

LEGEND

- | | |
|---|---|
| <p>REFERENCE KEY TO SITE DETAILS
DETAIL ID NUMBER (TOP)
DETAIL SHEET NUMBER (BOTTOM)</p> <p>EXISTING CONTOUR</p> <p>EXISTING SPOT ELEVATION</p> <p>PROPOSED CONTOUR</p> <p>PROPOSED SPOT ELEVATION
ME = MATCH EXISTING
EOP = EMERGENCY OVERFLOW</p> <p>PROPOSED GRADING LIMITS</p> <p>PROPOSED SANITARY SEWER</p> <p>PROPOSED STORM SEWER</p> | <p>PROPOSED WATERMAIN</p> <p>PROPOSED MANHOLE (MH)</p> <p>PROPOSED CATCH BASIN (CB)</p> <p>PROPOSED FLARED END SECTION (FES)</p> <p>PROPOSED HYDRANT (HYD)</p> <p>PROPOSED GATE VALVE (GV)</p> <p>PROPOSED POST INDICATOR VALVE (PIV)</p> <p>PROVIDE MINIMUM 24" VERTICAL SEPARATION AT CROSSING - PROVIDE VERTICAL BENDS IN WATERMAIN AS REQUIRED TO ACCOMPLISH</p> <p>CONNECT DRAIN TILE TO CB / MH AND PROVIDE BACKWATER VALVE</p> <p>PROPOSED BUILDING STOOP - REFER TO ARCHITECTURAL PLANS</p> <p>PROPERTY LINE</p> <p>SANITARY SEWER SHALL CROSS UNDER PROPOSED WATERMAIN WITH MINIMUM 18" VERTICAL SEPARATION AT CROSSING</p> <p>PROVIDE MINIMUM 18" VERTICAL SEPARATION AT CROSSING</p> |
|---|---|

NOTES

- REFER TO SHEET C1.42- GRADING AND DRAINAGE PLAN (SOUTH) FOR GENERAL NOTES.
- ALL 8" WATERMAIN PIPE SHALL BE DIP CLASS 52 AND ALL 6" WATERMAIN PIPE SHALL BE DIP CLASS 53. ALL WATERMAIN SHALL HAVE MINIMUM 6'-0" BURY (TOP OF PIPE TO FINISH GRADE). DIP SHALL BE ENCASED WITH POLYETHYLENE FILM CONFORMING TO ASTM D 1348-88B.
- ALL SANITARY SEWER PIPE SHALL BE PVC PIPE (ASTM D 3034, SDR 26), UNLESS OTHERWISE NOTED. SANITARY SEWER INSTALLATION SHALL BE IN ACCORDANCE WITH ASTM D2221.
- ALL STORM SEWER PIPE SHALL BE RCP, CLASS III (MNL), WITH FLEXIBLE WATERTIGHT JOINTS IN ACCORDANCE WITH ASTM C-381 OR PVC PIPE (ASTM D3034, SDR 35) INSTALLED IN ACCORDANCE WITH ASTM D2221, UNLESS OTHERWISE NOTED.
- FLEXIBLE JOINTS AT STORM SEWER PIPE CONNECTIONS TO STRUCTURES:
 - IN ACCORDANCE WITH MINNESOTA PLUMBING CODE, PROVIDE FLEXIBLE JOINTS AT ALL PIPE CONNECTIONS TO ALL STORM SEWER STRUCTURES.
 - ACCEPTABLE MANUFACTURERS / PRODUCTS:
 - FERRO, "CONCRETE MANHOLE ADAPTORS" OR "LARGE-DIAMETER WATERSTOPS"
 - PRESS-SEAL, WATERTIGHT GROUTING RUNGS
 - OR APPROVED EQUAL.
- WATERMAIN SHALL BE INSTALLED AT LEAST 10 FEET HORIZONTALLY FROM ANY MANHOLE, CATCH BASIN, STORM SEWER, SANITARY SEWER, DRAIN TILE OR OTHER POTENTIAL SOURCE FOR CONTAMINATION PER MINNESOTA PLUMBING CODE. THIS ISOLATION DISTANCE SHALL BE MEASURED FROM THE OUTER EDGE OF THE PIPE TO THE OUTER EDGE OF THE CONTAMINATION SOURCE (OUTER EDGE OF STRUCTURES OR PIPING OR SIMILAR).
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- LOCATE ALL EXISTING UTILITIES, VERIFY LOCATION, SIZE AND ELEVATION OF ALL EXISTING UTILITIES. VERIFY LOCATIONS, SIZES AND ELEVATIONS OF SAME BEFORE BEGINNING CONSTRUCTION.
- PRIOR TO CONSTRUCTION OF PROPOSED BUILDING UTILITY SERVICES (STORM, SANITARY SEWER, WATERMAIN), VERIFY ALL PROPOSED BUILDING UTILITY SERVICE PIPE SIZES, LOCATIONS AND ELEVATIONS WITH MECHANICAL PLANS. COORDINATE CONSTRUCTION AND CONNECTIONS WITH MECHANICAL CONTRACTOR.
- CONTRACTOR SHALL STAKE LIMITS OF WALKS AND CURBING PRIOR TO INSTALLATION OF GATE VALVES, CATCH BASINS AND MANHOLES. GATE VALVE AND MANHOLE LOCATIONS SHALL BE ADJUSTED TO AVOID PLACEMENT OF THESE STRUCTURES IN WALKS AND CURB AND GUTTER. CURB AND GUTTER SHALL BE STAKED TO ALLOW CURB INLET TYPE CATCH BASINS TO BE PROPERLY LOCATED IN LINE WITH CURBING.

ATS&R
ANASTASIO TORSETH SCHOOL & HYDRA INC.

ARCHITECTURE
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ELECTRICAL
MECHANICAL
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FAX: 763.525.3288
WEB: www.atsr.com

ANASTASIO TORSETH SCHOOL & HYDRA, INC.
2018

CONSULTANTS

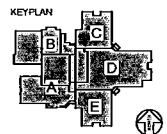
ANASTASIO TORSETH SCHOOL & HYDRA, INC.
2018

REVISIONS
CITY UPDATES: 04/18/2018

NEW RAMSEY ELEMENTARY SCHOOL
16961 NOWTHEN BLVD NW, RAMSEY, MINNESOTA
Anoka Hennepin Schools
Anoka-Hennepin School District 11
2727 N Ferry Street, Anoka MN 55303

SIGNATURE/SEAL
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

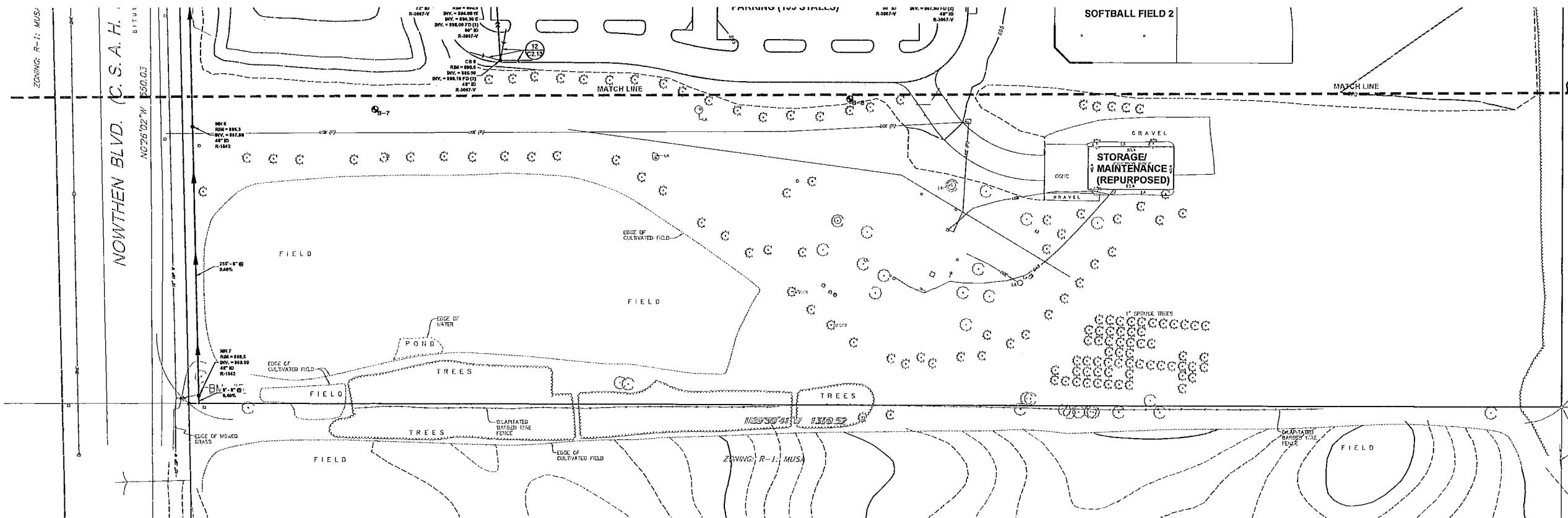
SIGNATURE
DAVID A. REY
TYPED OR PRINTED NAME
02-28-2018
DATE
40180
LICENSE NUMBER



DRAWN BY
CLG
CHECKED BY
JRP
ISSUED FOR
CONSTRUCTION DOCUMENTS
ISSUE DATE
02/28/2018
SHEET NAME
SITE UTILITY PLAN (SOUTH)

PROJECT NO.
AJA - 17118
SHEET NUMBER

C1.52



APPROXIMATE EROSION CONTROL DEVICE QUANTITIES

SILT FENCE = 6,500 L.F.
SEDIMENT CONTROL LOG = 110 L.F.
ROCK CONSTRUCTION ENTRANCES = 180 C.Y.
EROSION CONTROL BLANKET = 7,420 S.Y.
SEDIMENT CONTROL DEVICE AT STORM SEWER INLET = 17

LEGEND

- REFERENCE KEY TO SITE DETAILS
DETAIL SHEET NUMBER (TOP)
DETAIL SHEET NUMBER (BOTTOM)
- EXISTING CONTOUR
PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION
ME = MATCH EXISTING
EOT = EMERGENCY OVERFLOW
- PROPOSED GRADING LIMITS
- PROPOSED STORM SEWER
- PROPOSED MANHOLE (MH) (2, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000)

NOTES

- REFER TO SHEET C1-42: GRADING AND DRAINAGE PLAN (SOUTH) FOR GENERAL NOTES.
- REFER TO SWPPP NARRATIVE (SECTION 01 89 13) FOR CONSTRUCTION SEQUENCING AND EROSION CONTROL REQUIREMENTS.
- MAINTAIN ADJACENT PROPERTY AND PUBLIC STREETS CLEAN FROM CONSTRUCTION CAUSED DIRT AND DEBRIS ON A DAILY BASIS. PROTECT DRAINAGE SYSTEMS FROM SEDIMENTATION AS A RESULT OF CONSTRUCTION RELATED DIRT AND DEBRIS.
- MAINTAIN DUST CONTROL DURING GRADING OPERATIONS.
- ALL EROSION CONTROL METHODS SHALL COMPLY WITH MPCA AND OTHER LOCAL REGULATIONS.
- IF EROSION AND SEDIMENT CONTROL MEASURES TAKEN ARE NOT ADEQUATE AND RESULT IN DOWNSTREAM SEDIMENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING OUT DOWNSTREAM STORM SEWERS AS NECESSARY, INCLUDING ASSOCIATED RESTORATION.
- SEDIMENT CONTROL DEVICE AT STORM SEWER INLETS. AT THE INLETS TO ALL STORM SEWER STRUCTURES, PROVIDE A PRODUCT FROM THE FOLLOWING LIST, ACCEPTABLE PRODUCTS:
 - YIMCO TOP SLAB 18" MODEL RD 27.
 - INFRASAFE SEDIMENT CONTROL BARRIER, DISTRIBUTED BY ROYAL ENVIRONMENTAL SYSTEMS, INC. SCB'S SHALL BE SIZED SPECIFICALLY FOR THE STRUCTURE AND CASTING SPECIFIED. SCB'S SHALL BE EQUIPPED WITH FRAME AND PERFORATED SHROUD AND SHALL BE WRAPPED ON THE OUTSIDE, COVERING THE PERFORATED WALL ONLY, WITH A DEGRADABLE SOCK.
 - DANDY BAG OR DANDY BAG WP DISTRIBUTED BY BROCK WHITE COMPANY, ST. PAUL, MN (816) 647-4950. DANDY BAG SHALL BE USED ONLY FOR CURB INLETS AFTER PAVEMENT (BINDER COURSE OR WEAR COURSE) IS INSTALLED OR AT EXISTING PAVED AREAS.
 - INFRASAFE DEBRIS COLLECTION DEVICE BY ROYAL ENVIRONMENTAL SYSTEMS, INC., DISTRIBUTED BY ESS BROTHERS, 9350 COUNTY ROAD 19, CORCORAN, MN 55337 DCB'S SHALL BE SIZED SPECIFICALLY FOR THE STRUCTURE AND CASTING SPECIFIED. PROVIDE FILTER BAGS AND TIES FOR COMPLETE INSTALLATION.
 - OR APPROVED EQUAL.
- PERIMETER EROSION CONTROL DEVICES (SILT FENCE, ROCK ENTRANCE, INLET PROTECTION, ETC.) INSTALLED BY THE CONTRACTOR SHALL BE INSPECTED BY THE CITY PRIOR TO ANY LAND DISTURBING ACTIVITIES. CONTRACTOR MUST PROVIDE 24 HOUR NOTICE TO THE CITY FOR INSPECTION.

EXCERPT FROM THE SWPPP NARRATIVE

The following is from the Storm Water Pollution Prevention Plan Narrative, Section 01 89 13 of the Project Manual. In accordance with Section 31.00.00, the Contractor shall be responsible for full implementation of and maintenance required by the SWPPP Narrative until the Notice of Termination is approved by the MPCA. Should differences arise between the SWPPP Narrative information described below and the information contained within the SWPPP Narrative, bound into the Project Manual, the SWPPP in the Project Manual shall govern.

V. General Construction Sequence (In conjunction with the Construction Manager's Construction Schedule)

A. Erosion Control Devices, noted herein, include:

- Silt fence
- Sediment Control Device at storm sewer inlets
- Sediment log
- Rock construction entrance
- Rock check dams
- Rip rap
- Storm water treatment basin
- Temporary sediment basins
- Storm sewer systems
- Temporary outlet pipes
- Floating Silt Curtain
- Floating Head Skimmer
- Erosion control blanket
- Final seeding / sodding
- Temporary / permanent vegetation
- Other features identified by the Minnesota Pollution Control Agency, City or Engineer as a Best Management Practice (BMP) device.

B. Contractor shall apply for NPDES Phase II Permit within 24 hours of award of Contract.

- The Contractor shall post the permit in the job site trailer or other suitable temporary storage area.

- C. Review the SWPPP and its sequencing and requirements. The Contractor shall notify the Engineer if the conditions, construction sequencing, or other items are different or require modification from this written SWPPP. The Engineer will review the suggested modifications and amend the SWPPP accordingly.
- D. Following review of the SWPPP plans commence with the following construction sequence:
- Install perimeter silt fence where indicated on the Drawings. Silt fence shall be as specified in Section 31.02.00.
 - Have silt fence and other erosion control devices inspected by local authorities, as required by the local authority.
 - 2.1. Silt Fence must be inspected and approved by the City after installation and before any excavation work commences on site.
 - Construct the rock construction entrance.
 - Rough grade the stormwater ponds.
 - All stripped topsoil shall be stockpiled and remain on-site for re-use unless otherwise noted.
 - Construct permanent outlet control structure for pond, then install temporary outlet device.
 - Use the stormwater treatment basin as a temporary sediment basin. The following requirements apply to discharge from the temporary sediment basin:
 - Water from this basin shall not be discharged without being free of sediment and suspended materials.
 - Construct floating head skimmer devices with flocculant and temporary attach devices until all upstream areas receive final stabilization.
 - Provide water treatment per MNDOT 7475.
 - Monitor pH and turbidity of discharge water every hour until performance is determined. The goal of pH is 7.0. If turbidity exceeds a defined number, a flocculant/reclamation system must be installed. All pH adjustments shall be in the form of CO₂ sparging.
 - After pH and turbidity performance is deemed suitable by the Engineer, take readings from the respective outfall pipes twice per week. Samples shall be collected in a clear plastic bottle. Samples will be considered passing if a person hand is clearly visible through the bottle. Tests that do not pass require the Contractor to modify erosion control or engage contingency plan.
 - Construct temporary berms or swales to direct water to the rough graded basins.
 - Provide temporary seeding of the basin.

- Strip and stockpile topsoil in the area of the proposed building. Provide temporary seed and mulch stockpiles as described herein.
 - Begin rough grading for the building pad.
 - Place topsoil on play fields and provide temporary seeding and mulch. Install signage.
 - Begin footing construction.
 - Complete the grading of the building pad.
 - Begin building construction.
 - Strip topsoil from paved areas. Stockpile for reuse. Provide temporary seed and mulch as described herein.
 - Begin rough grading of the paved areas.
 - Rough grade the play fields.
 - Place topsoil on play fields and provide temporary seeding and mulch. Install signage.
 - Construct the stormwater sewer system.
 - Construct the permanent stormwater system.
 - Construct permanent stormwater sewer system for the stormwater treatment basin. Construct piping at the end of the flared end sections within 24 hours of pipe construction.
 - Construct the watermain system.
 - Construct Sediment Control Devices at proposed storm sewer inlets (hay bales around curbs and silt fence water curbs will not be acceptable).
 - Spread topsoil and finish grade the utility areas. Topsoil spreading shall include all areas except around the building until the exterior building work is complete.
 - Rough and finish grade the paved areas subgrade to specified tolerances following the procedures identified in Section 31.00.00 Earthwork.
 - Once permanent subgrade testing is complete, construct the stabilized aggregate base course. This will serve as temporary stabilization for the parking lot.
 - Construct curb and gutter and concrete walks. This will serve as permanent stabilization for the walk areas.
 - Construct the curbing work at the soft play area. Install the driveway and surfacing systems and coordinate scheduling of this work with the Owner's installation of the playground equipment.
 - Protect the soft play area by installing erosion control devices on the upstream side of the area. Do not allow site soils / sedimentation within the soft play area.
 - Construct the first lift of pavement in the parking lot and bus court / service area. This will serve as permanent stabilization.
 - Rough and finish grade bituminous path subgrade following the procedures identified in Section 31.00.00 Earthwork.
 - Once permanent subgrade testing is complete, construct the stabilized aggregate base course. This will serve as temporary stabilization for the paths.
 - Construct the pavement for the bituminous paths. This will serve as permanent stabilization for the paths.
 - Prepare play fields and outlying areas for permanent seeding (permanent stabilization) in accordance with the specified seeding rates.
 - Complete exterior building work.
 - Spread topsoil around the building area.
 - All disturbed areas outside the building pad which are not designated to be paved shall receive at least 4" of topsoil (refer to Detail 1 / C1.42) and shall be seeded, seeded or planted.
 - Prior to final sodding, seeding and planting, all placed topsoil material shall be reviewed by the Engineer / Landscape Architect. Refer to specifications for placement, grading, tillage, compaction, and protection requirements.
 - Finish grade topsoil and prepare these areas for sod.
 - Sod the areas around the building. Use a temporary irrigation system to keep sod adequately watered.
 - Remove temporary outlet devices.
 - Provide final lift of pavement and pavement markings.
 - Provide final stabilization and cleanup of the site.
- E. Provide maintenance to erosion control devices and BMP's to comply with the requirements of the permit.
- F. Re-install all sediment control practices that have been adjusted or removed to accommodate short-term activities, such as passage of construction vehicles or equipment, immediately after the short-term activity has been completed. All sediment control practices shall be re-installed before the next precipitation event if the short term activity is not complete.
- G. Inspect erosion control devices and provide routine maintenance as follows:
- Inspect erosion control a minimum of once per week and after each rain event measuring 0.5" or more. Record inspection on log posted in Contractor's construction trailer or other suitable temporary storage area.
 - Records of each inspection and maintenance activity shall include:
 - Date and time of inspection
 - Name of person conducting inspection
 - Finding of inspection, including recommendations for corrective actions
 - Corrective actions taken (including dates, times, and party completing maintenance activities)
 - Date and amount of all rainfall events greater than one quarter inch (0.25 inches) in 24 hours
 - Documentation of changes made to the SWPPP as required by the NPDES General Stormwater Permit for Construction Activity (MN R100001)
 - Inspections are not required when the ground is frozen. The required inspections and maintenance schedule must begin within 24 hours after runoff occurs at the site or 24 hours prior to resuming construction, whichever comes first.
 - Provide the City Inspector with weekly logs of erosion control inspection, additionally after every 0.5" rainfall event. At the end of the project provide the City with the complete history.
 - The City shall be emailed with the results of the weekly inspections.
 - A complete log of the inspections must be provided to the City prior to receiving the Certificate of Occupancy.
 - Provide maintenance for all devices as follows:
 - Silt fences, sediment logs, and erosion control devices at storm sewer inlets shall be inspected for depth of sediment, tears, to see if fabric is securely attached to support posts or structure, and to see that posts and devices are securely in place.
 - Silt fences, sediment logs and erosion control devices at storm sewer inlets, and other erosion control devices shall be cleared when sediment reaches 1/3 the height of the erosion control device, within 24 hours.
 - Rock construction entrances shall be inspected for clogging of river rock. River rock that has become clogged with sediment shall be removed and replaced with fresh river rock.
 - Repairs or replacements to all erosion control devices shall occur within 24 hours of discovery.
 - Temporary diversion berms shall be inspected and any breaches promptly repaired.
 - Tracked sediment from construction vehicles on to public streets and paved areas (including paved areas on the construction site) shall be removed within 24 hours of discovery.
 - Removal of sediment and stabilization of Surface Waters shall be accomplished within 7 days of discovery (water surface waters include curb and gutter, pavements, storm sewer, swales, or other similar storm water conveyance devices).
 - Islet protection may be removed if a local unit of government directs the permittee to do so because of a specific safety concern.
- H. Provide dewatering of excavations as identified in Section 31.00.00.
- I. Temporary Soil Stockpiles:
- Temporary soil stockpiles shall not be placed in surface waters of the state, including surface conveyances such as curb and gutter, swales, or ditches.
 - Install silt fence at the base of the temporary soil stockpile (full perimeter).
 - Temporary soil stockpiles shall be seeded with temporary seed mix and hydro-mulch when stockpiles are left inactive for seven (7) days. Note, this does not apply to aggregate stockpiles or other stockpiles without significant silt, clay or organic components (clean aggregate stockpiles, clean rock, clean sand and similar clean aggregates).
- J. Stabilize denuded areas within the following number of days of last construction activity (temporary or permanent) in that area:
- Within 7 days, except:
 - Temporary soil stockpiles shall be treated with appropriate erosion control measures, including silt fence and temporary seeding when stockpiles are left inactive for periods longer than 7 days. Note, this does not apply to aggregate stockpiles or other stockpiles without significant silt, clay or organic components (clean aggregate stockpiles, clean rock, clean sand and similar clean aggregates).
- K. Provide maintenance of all seeded / sodded areas until fully established.
- L. Provide cleaning of storm sewer system at the completion of the project. Cleaning shall include removal of accumulated sediment from all all surface waters as defined by the permit (for example, curb and gutter, pavements, swales, and storm sewer piping and structures).
- M. Remove silt fence and erosion control devices at storm sewer inlets following full establishment of site vegetation. Dispose materials properly off-site.
- N. Apply for Notice of Termination (NOT) with MPCA. NOT must be submitted within 30 days after:
- Site has undergone Final Stabilization (at least 80% vegetative cover), and
 - Removal of all temporary erosion control measures (silt fence, etc.), and
 - Final cleanup and maintenance of all permanent storm water facilities, and
 - Completion of all maintenance activities and site cleanup.
5. The City must sign off on the Notice of Termination before it is submitted.

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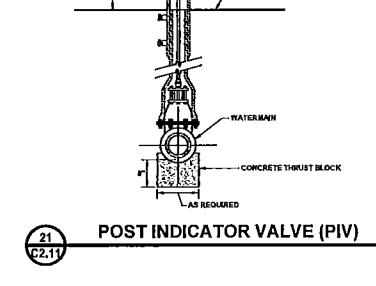
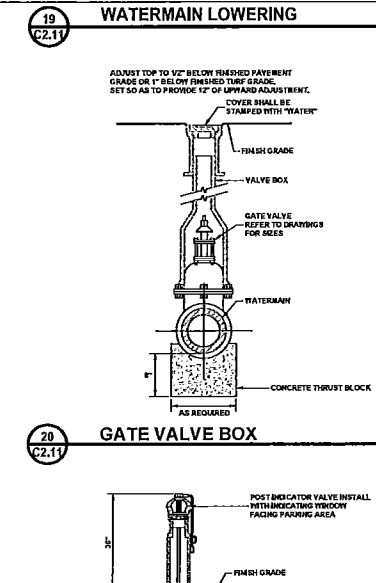
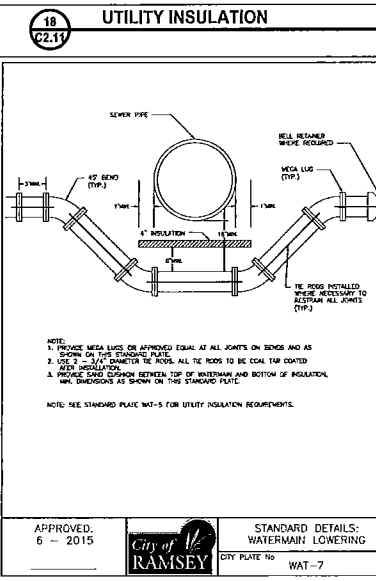
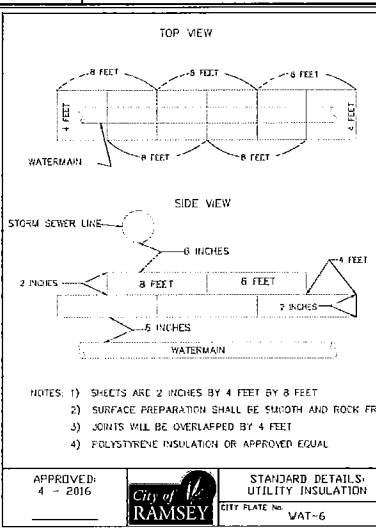
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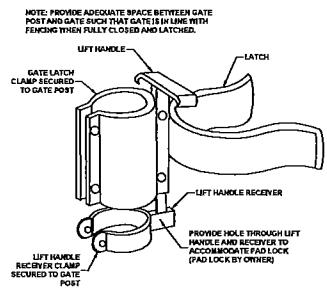
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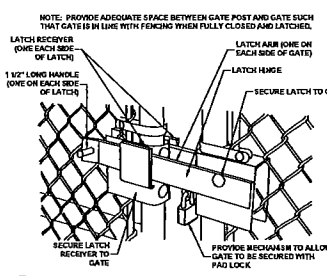


C2.11

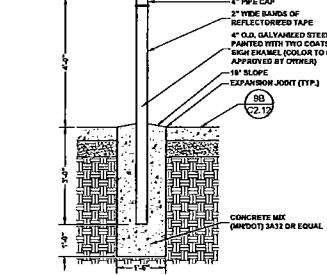
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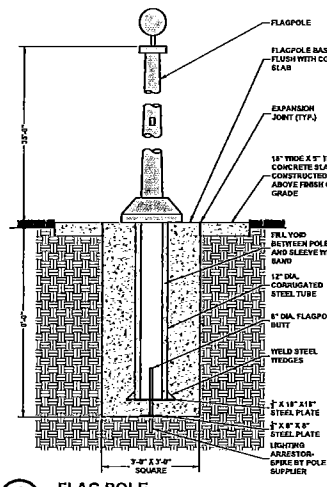
1 SINGLE SWING GATE LATCH
C2.13



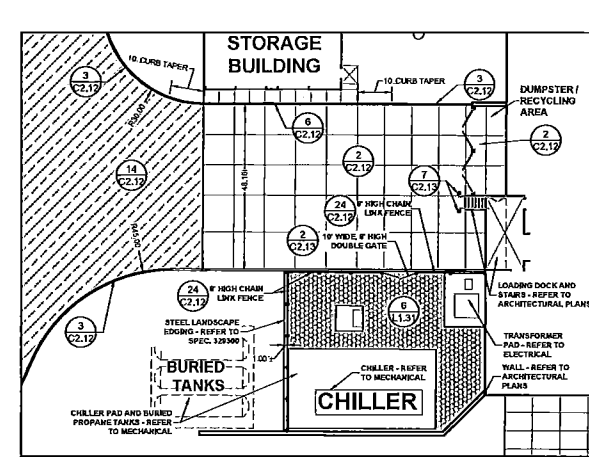
2 DOUBLE SWING GATE LATCH
C2.13



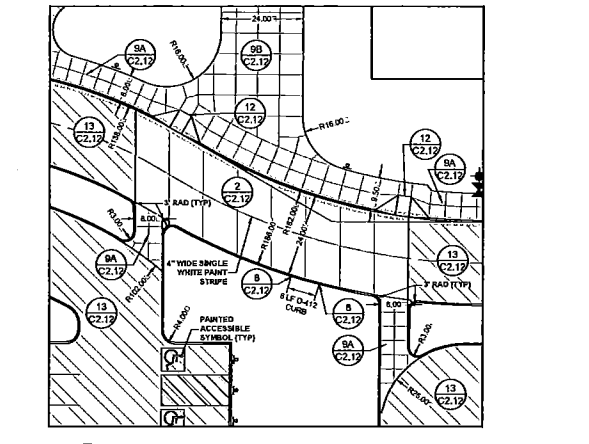
3 BOLLARD
C2.13



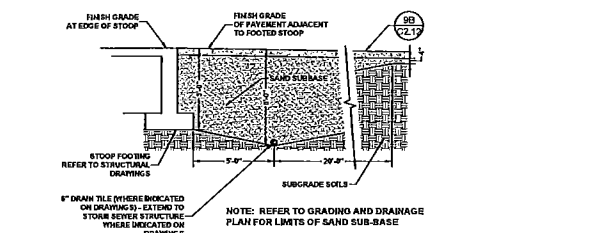
4 FLAG POLE
C2.13



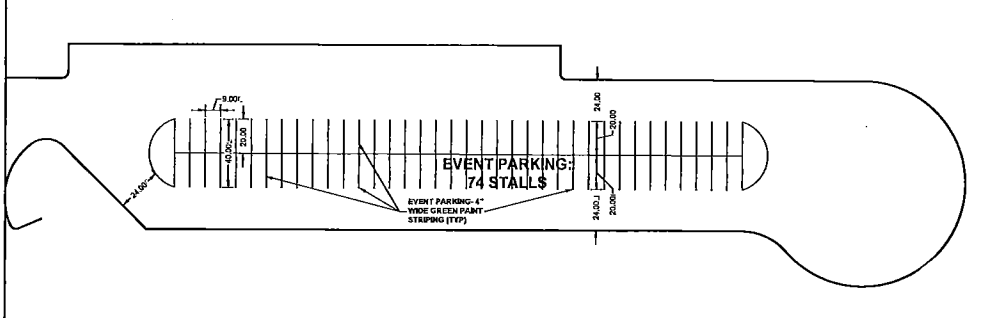
5 LOADING DOCK
C2.13 SCALE: 1" = 20'



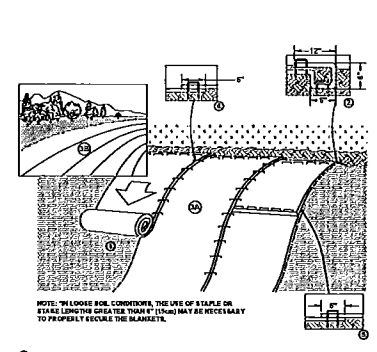
6 PARKING LOT DROP OFF AREA
C2.13 SCALE: 1" = 20'



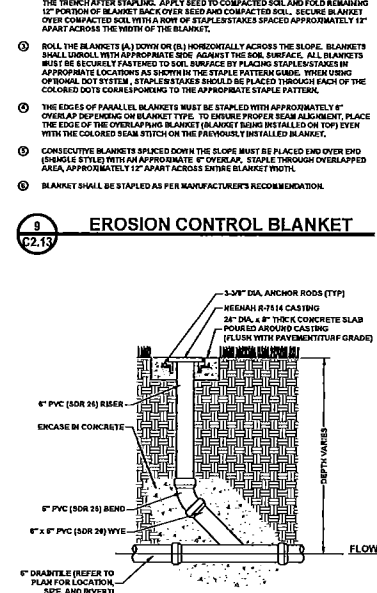
7 SAND SUBBASE/ DRAIN TILE AT DOORS & FROST FOOTED STOOPS
C2.13



8 BUS CORRAL - EVENT STRIPING
C2.13 SCALE: 1" = 40'



9 EROSION CONTROL BLANKET
C2.13



10 DRAINTILE CLEANOUT (C.O.)
C2.13

REVISIONS

NEW RAMSEY ELEMENTARY SCHOOL
16961 NOWTHEN BLVD NW, RAMSEY, MINNESOTA
Anoka Hennepin Schools
Anoka-Hennepin School District 11
2727 N Ferry Street, Anoka MN 55303

SIGNATURE/SEAL

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

SIGNATURE: JAY R. POMEROY

TYPED OR PRINTED NAME: JAY R. POMEROY

DATE: 02-28-2018

DATE: 2/28/18

LICENSE NUMBER: 23543

LICENSE NUMBER: 23543

LICENSE NUMBER: 23543

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LICENSE NUMBER: 23543

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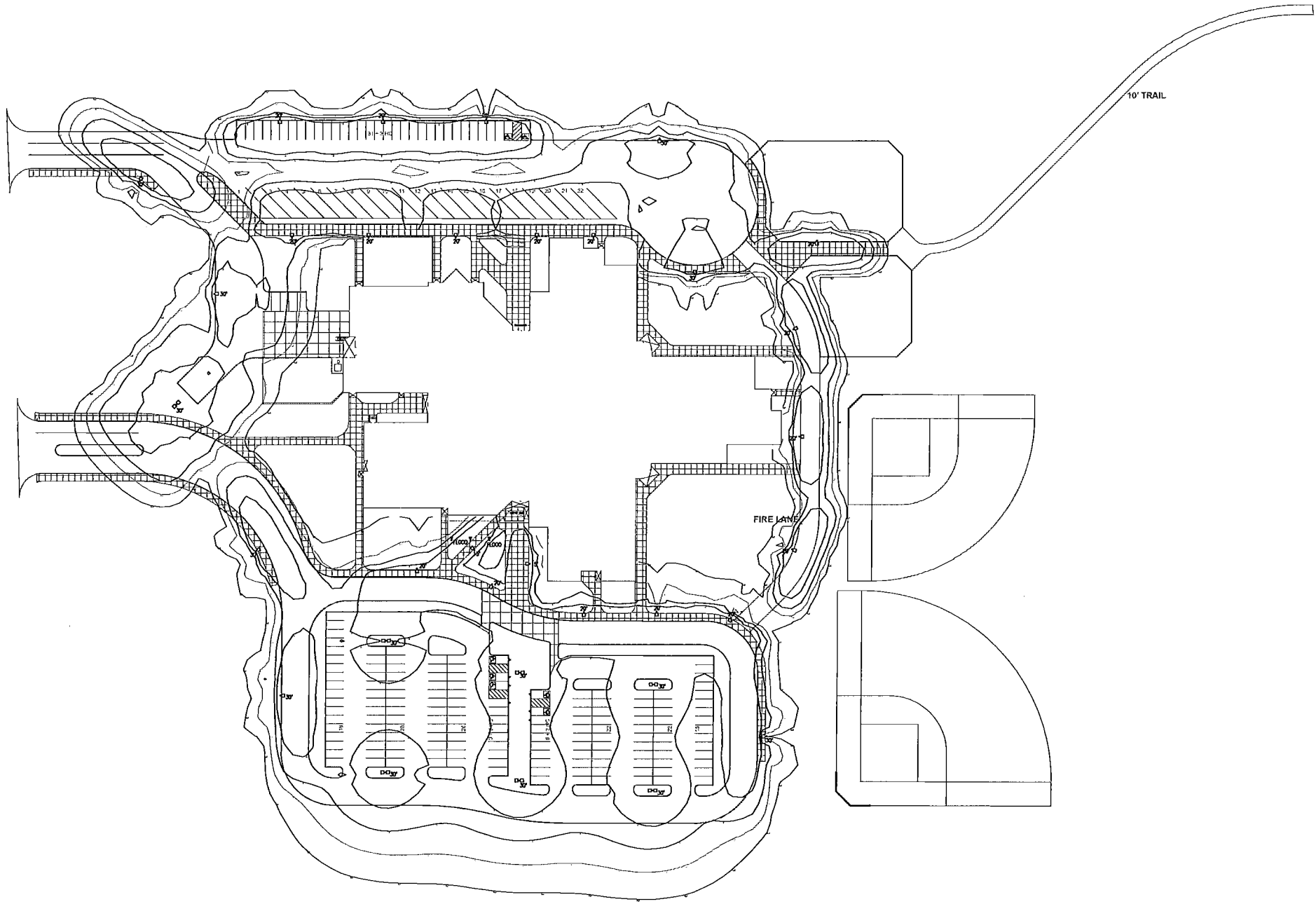
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1 ELECTRICAL SITE PLAN
1" = 50'-0"

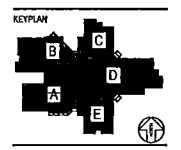
North Site
Run/Space (Ft)
Average = 2.14
Maximum = 7.5
Minimum = 0.2
Avg/Water Ratio = 10.78
Max/Water Ratio = 37.50

South Site
Run/Space (Ft)
Average = 2.51
Maximum = 7.5
Minimum = 0.2
Avg/Water Ratio = 3.59
Max/Water Ratio = 10.71

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FAX: 763.525.3289
WEB: www.atsar.com
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CONSULTANTS

REVISIONS
New Elementary School -
Ramsey Site
Anoka Hennepin Schools
Anoka-Hennepin Schools, ISD No. 11
2727N Ferry Street, Anoka MN 55303

SIGNATURE / SEAL



DRAWN BY
RGE
CHECKED BY
NACHINA
ISSUED FOR
CITY
SUBMITTAL
ISSUE DATE
December 7, 2017
SHEET NAME

ELECTRICAL
SITE PLAN

ATS&R PROJECT NO.
17018
REVISION NO.

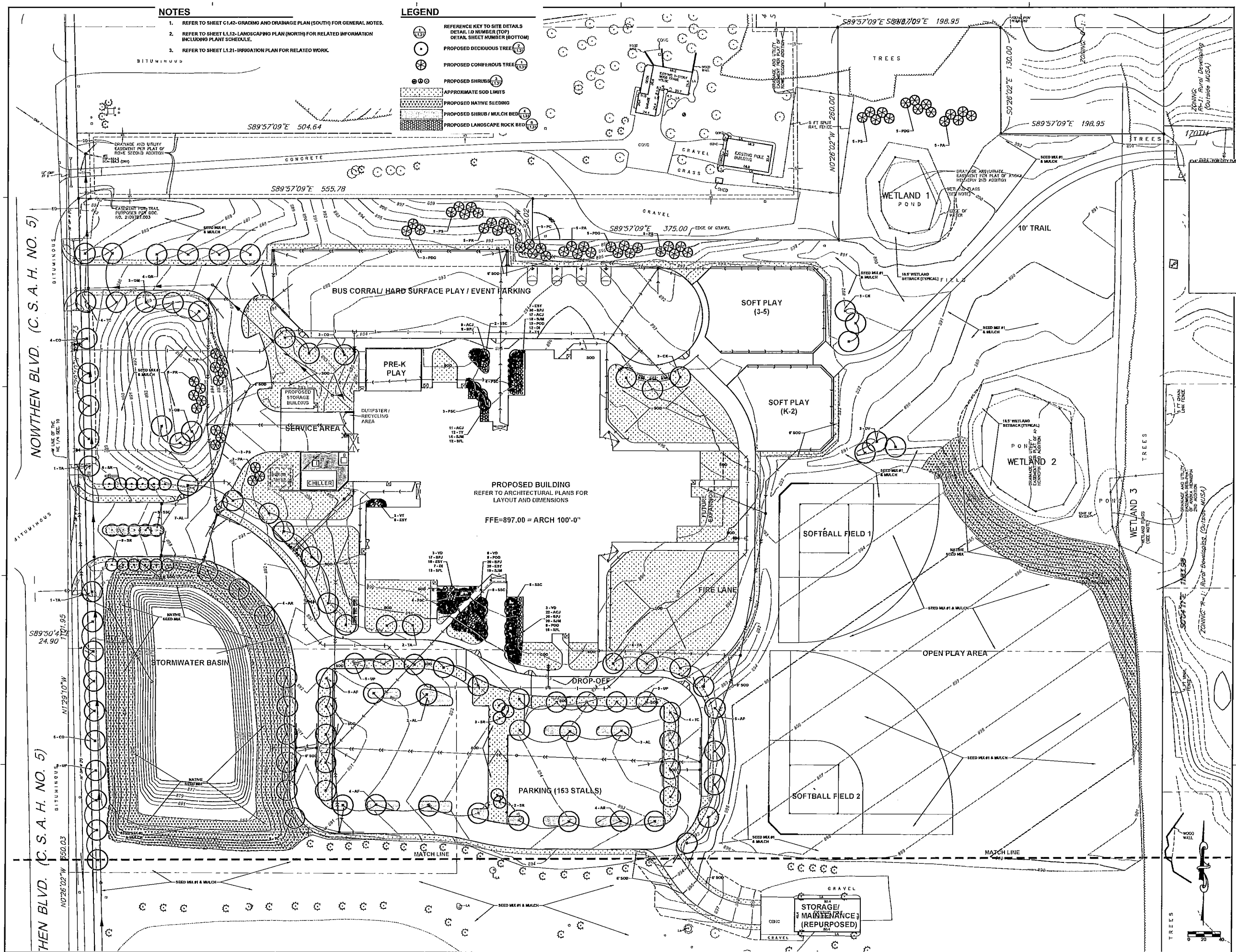
SHEET NUMBER
E1.1

NOTES

1. REFER TO SHEET C1.42- GRADING AND DRAINAGE PLAN (SOUTH) FOR GENERAL NOTES.
2. REFER TO SHEET L1.12- LANDSCAPE PLAN (NORTH) FOR RELATED INFORMATION INCLUDING PLANT SCHEDULE.
3. REFER TO SHEET L1.21- IRRIGATION PLAN FOR RELATED WORK.

LEGEND

- REFERENCE KEY TO SITE DETAILS
DETAIL L.D. NUMBER (TOP)
DETAIL SHEET NUMBER (BOTTOM)
- PROPOSED DECIDUOUS TREE
- PROPOSED CONIFEROUS TREE
- PROPOSED SHRUB
- APPROXIMATE SOD LIMITS
- PROPOSED NATIVE SEEDING
- PROPOSED SHRUB / MULCH BED
- PROPOSED LANDSCAPE ROCK BED



TREE CALCULATION

BUILDING FOOTPRINT = 90,400 SQ. FT. ±

SITE PERIMETER = 5,355 LINEAR FEET OF PROPERTY LINE

- DECIDUOUS/ CONIFEROUS TREE REQUIREMENT:
 - SITE PERIMETER = 5,355 LINEAR FEET OF PROPERTY LINE / 60 LF = 108 DECIDUOUS/ CONIFEROUS TREES REQ'D
- SHRUB REQUIREMENT:
 - BUILDING FOOTPRINT = 90,400 SF / 300 LF = 302 SHRUBS REQ'D

NOTES

- REFER TO SHEET L1.11 - LANDSCAPING PLAN (NORTH) FOR RELATED INFORMATION.
- REFER TO SWPPP NARRATIVE FOR CONSTRUCTION SEQUENCING AND EROSION CONTROL REQUIREMENTS.
- LANDSCAPE ARCHITECT MUST INSPECT AND APPROVE FIMSH GRADING BEFORE CONTRACTOR PROCEEDS WITH SODDING AND SEEDING.
- ALL DISTURBED AREAS OUTSIDE THE BUILDING PAD WHICH ARE NOT DESIGNATED TO BE PAVED OR RECEIVE AGLIME SHALL RECEIVE AT LEAST 4" OF TOPSOIL - REFER TO DETAIL 18L1.12 - AND SHALL BE SODDED OR SEEDDED.
- WHERE NEW SOD MEETS EXISTING TURF, EXISTING TURF EDGE SHALL BE CUT TO ALLOW FOR A CONSISTENT, UNIFORM STRAIGHT EDGE. JAGGED OR UNEVEN EDGES WILL NOT BE ACCEPTABLE. REMOVE TOPSOIL AT JOINT BETWEEN EXISTING AND NEW AS REQUIRED TO ALLOW NEW SOD SURFACE TO BE FLUSH WITH EXISTING.
- FAILURE OF TURF DEVELOPMENT: IN THE EVENT THE CONTRACTOR FAILS TO PROVIDE AN ACCEPTABLE TURF, THE CONTRACTOR SHALL RE-SOD OR RE-SEED ALL APPLICABLE AREAS, AT NO ADDITIONAL COST TO THE OWNER, TO THE SATISFACTION OF THE ENGINEER.
- BEGIN TURF ESTABLISHMENT IMMEDIATELY AFTER SODDING OR SEEDING. REFER TO SPECIFICATION FOR PROCEDURE.
- ALL TREES AND SHRUBS SHALL RECEIVE 4" DEPTH OF CLEAN SHREDDED HARDWOOD MULCH, UNLESS OTHERWISE SPECIFIED.
- ALL PLANT MATERIALS SHALL BE NO. 1 QUALITY, NURSERY GROWN AND SPECIMENS MUST BE MATCHED. ALL OVERSTORY TREES ADJACENT TO DRIVE AND IN PARKING LOT SHALL BEGIN BRANCHING NO LOWER THAN 6'. ALL TREES TO BE BALLED AND BURLAPPED.
- REFER TO SHEET L1.21 - IRRIGATION PLAN, FOR RELATED WORK.

LEGEND

- REFERENCE KEY TO SITE DETAILS
DETAIL 10 NUMBER (TOP)
DETAIL SHEET NUMBER (BOTTOM)
- PROPOSED DECIDUOUS TREE (1.12)
- PROPOSED CONIFEROUS TREE (1.13)
- PROPOSED SHRUBS (1.14)
- APPROXIMATE SOD LIMITS
- PROPOSED NATIVE SEEDING #1
- PROPOSED SHRUB / MULCH BED (1.15)
- PROPOSED LANDSCAPE ROCK BED (1.16)

PLANT SCHEDULE				
SYMBOL	COMMON NAME	SCIENTIFIC NAME	QTY.	SIZE / ROOT
DECIDUOUS SHADE TREES				
AF	FALL FIESTA MAPLE	Acer saccharum 'Ballerina'	14	2-1/2" cal. B&B
AL	EMERALD LUSTRE MAPLE	Acer platanoides 'Pond'	12	2-1/2" cal. B&B
AR	OCTOBER GLORY MAPLE	Acer rubrum 'October Glory'	4	2-1/2" cal. B&B
CR	NORTHERN CATALPA	Catalpa speciosa	3	2-1/2" cal. B&B
CO	COMMON HACKBERRY	Celtis occidentalis	12	2-1/2" cal. B&B
CK	KENTUCKY COFFEE TREE	Gymnocladus dioica	3	2-1/2" cal. B&B
CV	IRONWOOD	Ostrya virginiana	3	2-1/2" cal. B&B
OB	SWAMP WHITE OAK	Quercus bicolor	7	2-1/2" cal. B&B
OM	BUR OAK	Quercus macrocarpa	3	2-1/2" cal. B&B
PA	BERRY LINDEN	Tilia americana 'Blackberry'	8	2-1/2" cal. B&B
TC	GREENSPICE LINDEN	Tilia cordata 'Greenspire'	14	2-1/2" cal. B&B
UP	PATRIOT ELM	Ulmus 'X Patriot'	15	2-1/2" cal. B&B
			98	
CONIFEROUS TREES				
PA	NORWAY SPRUCE	Picea abies	13	6' B&B
POG	BLACK HILLS SPRUCE	Picea glauca densata	13	6' B&B
PC	SWISS STONE PINE	Pinus cembra	5	6' B&B
PP	PONDEROSA PINE	Pinus ponderosa	5	6' B&B
PR	NORWAY PINE	Pinus resinosa	15	6' B&B
PS	WHITE PINE	Pinus strobus	13	6' B&B
			64	
ORNAMENTAL TREES				
PS	PINK SPICE CRAB	Malus 'Pink Spice'	11	2" cal. B&B
SS	SPRING SNOW CRAB	Malus 'Spring Snow'	15	2" cal. B&B
SR	JAPANESE TREE LILAC CLUMP	Syringa reticulata	17	2" cal. B&B
			47	
SHRUBS				
POD	LITTLE DEVIL NINEBARK	Physocarpus opulifolius 'Dona May'	31	#2 Cont.
DI	DWARF BUSH HONEY SUCKLE	Diervilla lonicera	19	#5 Cont.
SJM	DAKOTA GOLD GARDEN SPirea	Spiraea japonica 'Merlynn'	62	#2 Cont.
SFL	FIRE LIGHT SPirea	Spiraea x 'Fire Light'	52	#2 Cont.
ACJ	ANCHORA COMPACT JUNIPER	Juniper horizontalis 'Plumosa Compacta'	48	#2 Cont.
BJP	BLUE PRINCE JUNIPER	Juniper horizontalis 'Blue Prince'	95	#2 Cont.
ESY	EMERALD SPREADER YEW	Taxus cuspidata 'Monkshood'	49	#2 Cont.
TY	TALANTON YEW	Taxus x media 'Talanton'	19	#3 Cont.
VT	COMPACT AMER CRANBERRYBUSH	Viburnum coccineum 'Valley Compact'	3	#5 Cont.
VD	BLUE MUFFIN VIBURNUM	Viburnum dentatum 'Christine'	14	#5 Cont.
			392	

REVISIONS
CITY UPDATES: 04/10/2018

NEW RAMSEY ELEMENTARY SCHOOL
18961 NOWTHEN BLVD NW, RAMSEY, MINNESOTA
Anoka Hennepin Schools
Anoka-Hennepin School District 11
2727 N Ferry Street, Anoka MN 55303

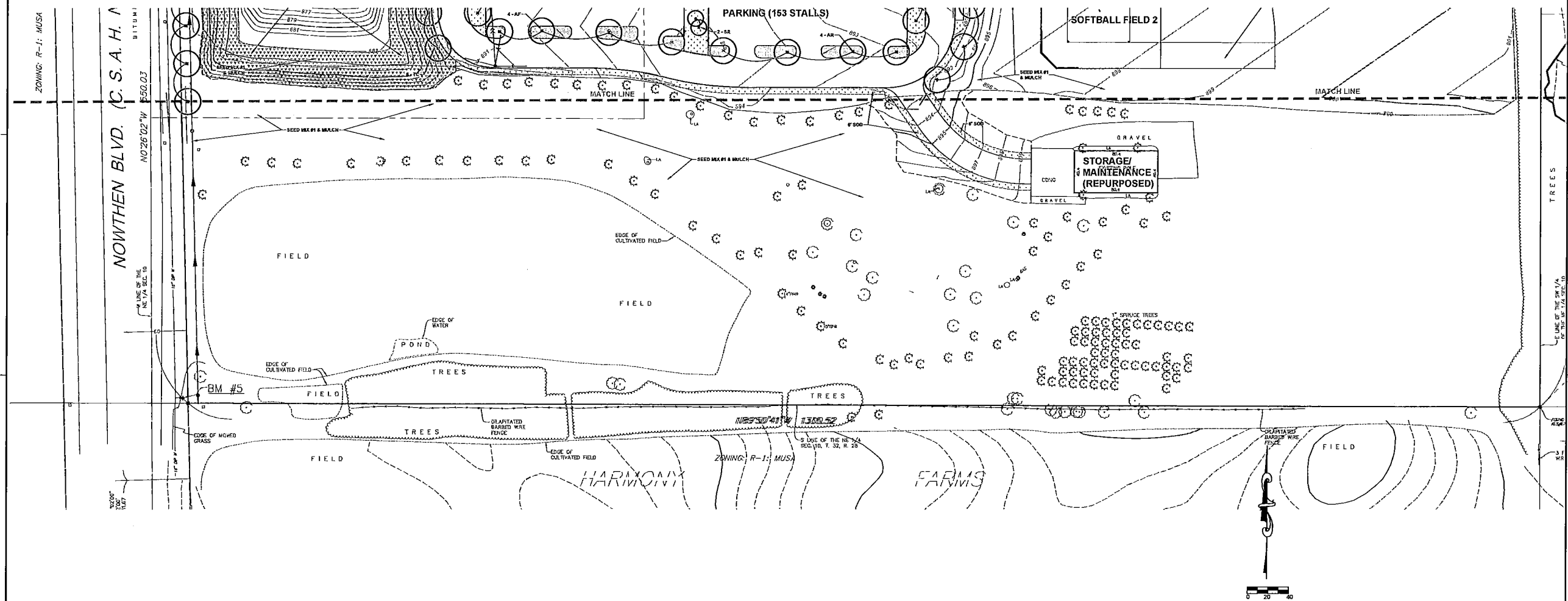
SIGNATURE/SEAL
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the State of Minnesota.

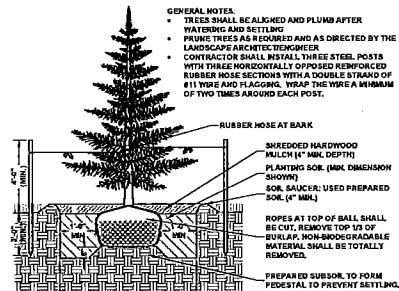
SIGNATURE
JAY K. POMEROY
TYPED OR PRINTED NAME
02-28-2018
DATE
23543
LICENSE NUMBER



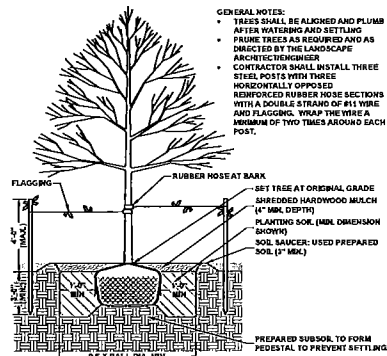
DRAWN BY
CLG
CHECKED BY
JRP
ISSUED FOR
CONSTRUCTION DOCUMENTS
ISSUE DATE
07/28/2018
SHEET NAME
LANDSCAPE PLAN (SOUTH)
PROJECT NO.
AJA - 17119
SHEET NUMBER

L1.12

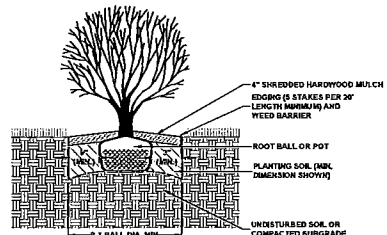




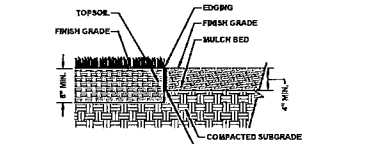
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L1.13
CONIFEROUS TREE



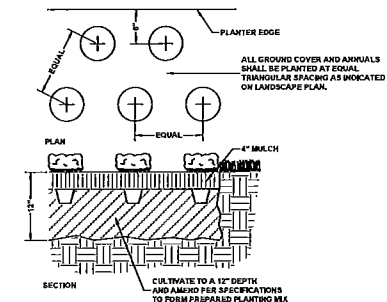
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DECIDUOUS TREE



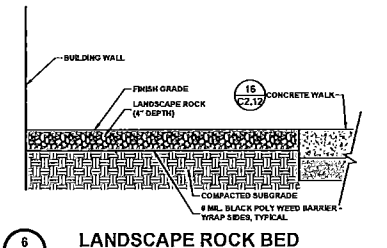
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SHRUB



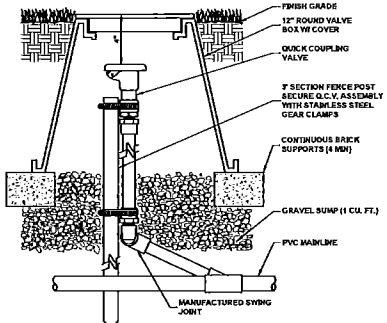
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SHRUB BED EDGING



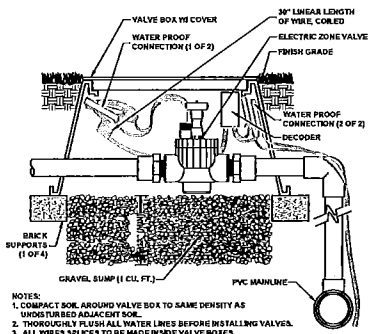
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L1.13
GROUND COVER AND PERENNIALS



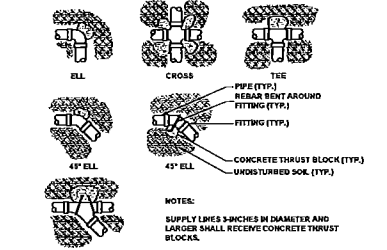
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LANDSCAPE ROCK BED



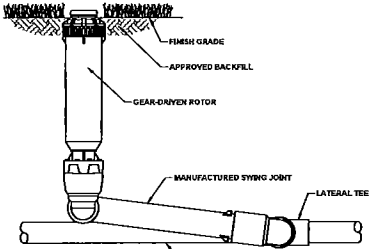
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QUICK COUPLER



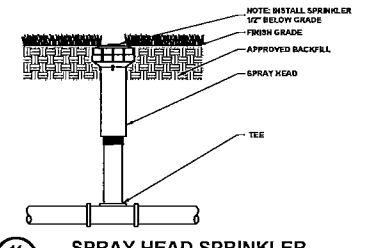
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DECODER / VALVE BOX AND SUMP



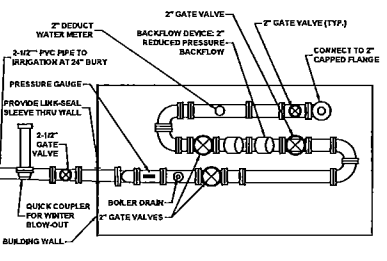
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L1.13
THRUST BLOCK (IRRIGATION LINES ONLY)



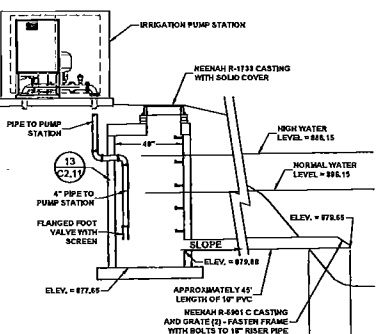
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GEAR DRIVE SPRINKLER



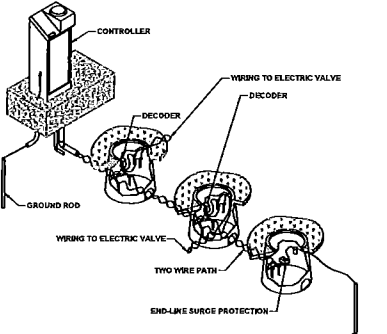
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L1.13
SPRAY HEAD SPRINKLER



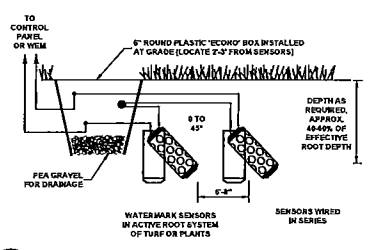
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L1.13
IRRIGATION SERVICE CONNECTION TO BUILDING



13
L1.13
IRRIGATION WELL WELL (MANHOLE) INTAKE ASSEMBLY



14
L1.13
IRRIGATION WIRING DIAGRAM



15
L1.13
MOISTURE SENSOR

MNDOT 2016 SPEC

REQUIREMENT	RANGE	TEST METHOD
MNDOT 2016 SPEC TABLE 3877-1 COMMON TOPSOIL BORROW		
MATERIAL PASSING THE 3/4 IN (19MM)	100%	ASTM D 422
MATERIAL PASSING NO. 4 (4.75MM)	>85%	-
CLAY	5% - 35%	ASTM D 422
SILT	5% - 70%	ASTM D 422
SAND	10% - 75%	ASTM D 422
ORGANIC MATTER	3% - 15%	ASTM D 2974
pH	6.1 - 7.8	ASTM G 51

NOTE:
1. INSTALLATION OF 4\"/>

APPROVED: 1 - 2016
CITY OF RAMSEY
CITY PLATE No. ERO-6
STANDARD DETAILS: TOPSOIL REQUIREMENTS

TABLE A
MODIFIED CLASS 5 SPECIFICATIONS

	% PASSING
1"	100
3/4"	90 - 100
3/8"	50 - 80
No.4	35 - 70
No.10	20 - 60
No.40	10 - 35
No.200	5 - 10

NOTES:
1. THE AGGREGATE BASE CONSTRUCTION WILL BE ACCEPTED FOR PAYMENT IN ACCORDANCE WITH THE PROVISIONS IN TABLE A.
2. IF THE AGGREGATE BASE FAILS TO MEET THE REQUIREMENTS OF TABLE A, THE MATERIAL CAN BE CORRECTED IN PLACE OR REMOVED AND REPLACED WITH MATERIAL THAT MEET THE REQUIREMENTS OF TABLE A.
3. IN THE EVENT THAT RECYCLED MATERIAL IS USED IT MUST MEET MNDOT REQUIREMENTS FOR RECYCLED BASE.

APPROVED: 2 - 2003
CITY OF RAMSEY
CITY PLATE No. STR-26
STANDARD DETAILS: MODIFIED CLASS 5 SPECIFICATIONS

1. REFER TO SHEET C1-42 - GRADING AND DRAINAGE PLAN, FOR GENERAL NOTES.
2. REFER TO SHEET S-1.11 AND L-1.12 - LANDSCAPING PLANS FOR RELATED INFORMATION.
3. IRRIGATION SYSTEM IS DESIGNED FOR 80%+ PSI AT THE BASE OF HEADS ON POND SYSTEM AND 100% PSI AT THE BASE OF HEADS ON LAWN AND BERM IRRIGATION SYSTEM. NOTIFY MECHANICAL/LANDSCAPE ARCHITECT IF EXISTING PRESSURE DIFFERS.
4. WATER SOURCE FOR POND SYSTEM: WATER WILL BE AVAILABLE FROM PROPOSED 4" CAPPED FLANGE FROM THE POND PUMP STATION
5. WATER SOURCE FOR THE BUILDING WATER SYSTEM (ZONES 32-49): WATER WILL BE AVAILABLE FROM PROPOSED 3" CAPPED FLANGE INSIDE THE MECHANICAL ROOM.
6. LAYOUT WORK AS ACCURATELY AS POSSIBLE. THE CONTRACTOR MAY MAKE MINOR ADJUSTMENTS TO THE LOCATION AND SPACING AS NECESSARY TO ACCOMMODATE ACTUAL FIELD CONDITIONS. HEAD LOCATIONS SHALL BE FLAGGED AND REVIEWED BY THE ENGINEER PRIOR TO INSTALLATION.
7. COORDINATE INSTALLATION WITH THE WORK OF OTHERS.
8. ALL MATERIALS SHALL BE INSTALLED AS DETAILED ON DRAWINGS, HOWEVER, IF THE CONTRACT DRAWINGS AND/OR SPECIFICATIONS DO NOT THOROUGHLY DESCRIBE THE METHOD OR TECHNIQUES TO BE USED, THE CONTRACTOR SHALL FOLLOW THE INSTALLATION METHOD ISSUED BY THE MANUFACTURER. ALL SUCH LITERATURE MUST BE SUBMITTED 48 HOURS PRIOR TO INSTALLATION FOR REVIEW AND APPROVAL BY THE ENGINEER.
9. CHECK AND VERIFY ALL EXISTING AND PROPOSED SITE CONDITIONS, UTILITIES AND SERVICE PRIOR TO TRENCHING.
10. LATERAL PIPING SHALL BE A MINIMUM OF 12 INCHES DEEP AND MAINLINE PIPING A MINIMUM OF 18 INCHES DEEP. ENGINEER SHALL BE NOTIFIED TO VERIFY TRENCH DEPTHS BEFORE BACKFILLING.
11. ALL MAINLINE PIPING SHALL BE PVC (SDR 21 CLASS 260). LATERAL LINE PIPING FOR BALL FIELDS SHALL BE PVC (SDR 21 / 160 PSI).
12. ALL MAIN LINE PIPING AND LATERAL PIPE OF 1'-1 1/2" AND LARGER AT AREAS OUTSIDE OF BALL FIELDS SHALL BE PVC (SDR 21 / CLASS 160).

REFERENCE KEY TO SITE DETAILS
 DETAIL ID NUMBER (TOP)
 DETAIL SHEET NUMBER (BOTTOM)

**4\"/>
IRIGATION MAINLINE
 (NUMBER INDICATES PIPE SIZE)**

**1-1/4\"/>
IRIGATION PVC LATERAL PIPING
 (NUMBER INDICATES PIPE SIZE)**

IRIGATION ZONE LABEL
 X = CLOCK DESIGNATION-STATION NUMBER
 Y = VALVE SIZE
 Z = VALVE FLOW (GPM)

ISOLATION GATE VALVE

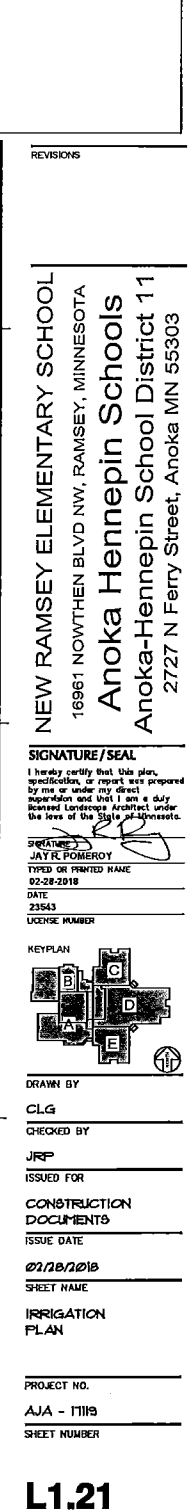
QUICK COUPLER

PROPOSED CONTROLLER LOCATION

PUMP STATION LOCATION

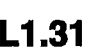
IRIGATION TURF HEADS:
 HUNTER I-40
 HUNTER I-40 w/ OPPOSING NOZZLES
 HUNTER I-20
 HUNTER I-20 w/ SHORT RADIIUS NOZZLE
 HUNTER MP 2000
 HUNTER MP 3000
 HUNTER MP 1000 - 12\"/>

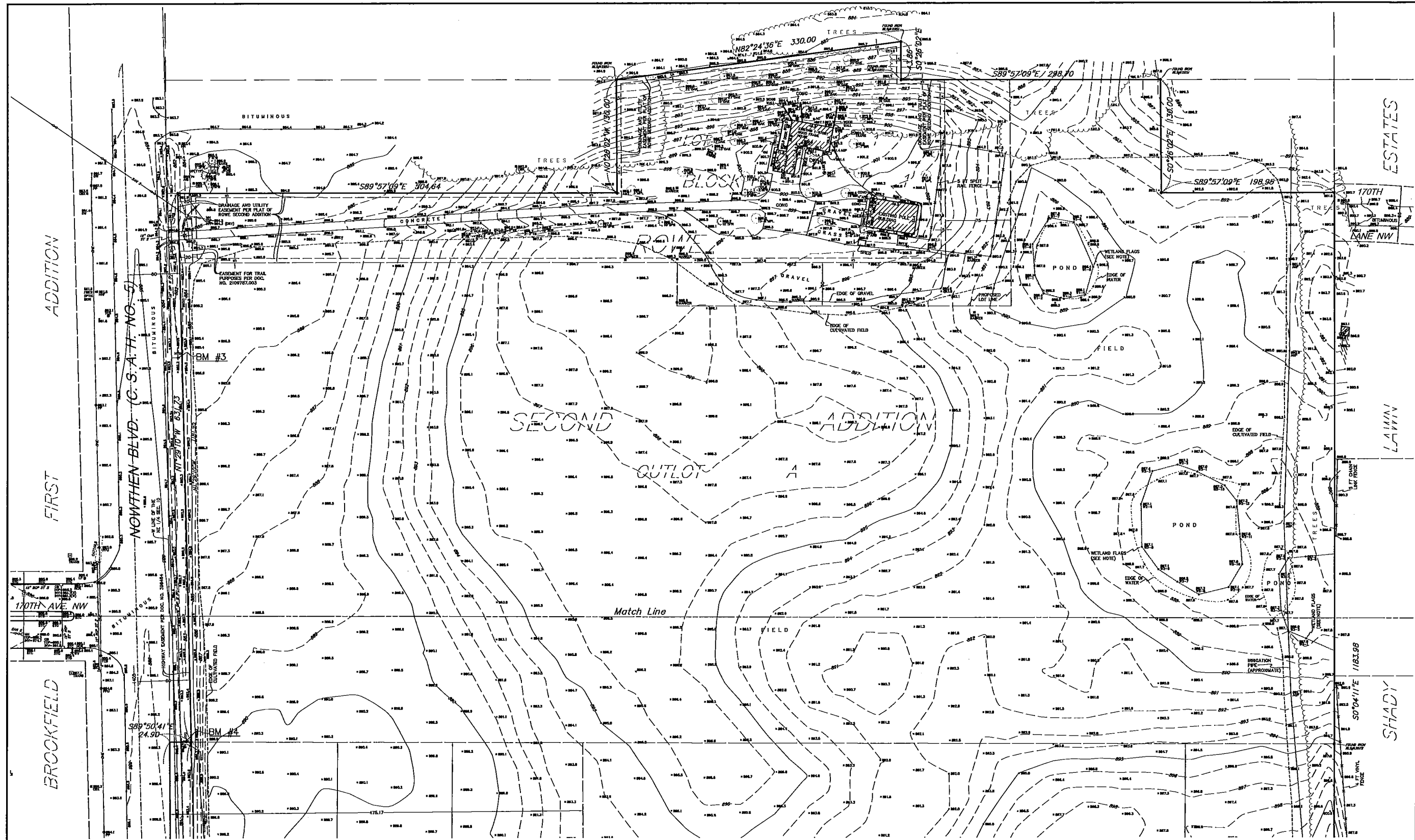
----- PROPERTY LINE -----



LANDSCAPE ARCHITECTS • ICE PLANNING • SITE ENGINEERING
1111 UNIVERSITY AVENUE SUITE 100 • 1000 10TH AVE • 1000 10TH AVE
ST. LOUIS, MO 63103 • ST. LOUIS, MO 63103 • ST. LOUIS, MO 63103

PROJECT NO.
WA - 17119
SHEET NUMBER





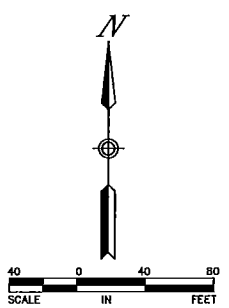
LEGEND

- | | | | | | |
|------|---|-------|---|-------|--|
| ○ | Denotes iron monument set marked with P.L.S. No. 44900 | FES | Denotes flared end section | STC | Denotes top of surmountable curb |
| ● | Denotes found iron monument marked with P.L.S. No. 18420, unless otherwise noted. | GM | Denotes gas meter | ST S | Denotes storm sewer |
| AC | Denotes air conditioner | GP | Denotes guard post | TCS | Denotes traffic control sign |
| AGP | Denotes above ground pipe(s) | GW | Denotes guy wire | TRANS | Denotes transformer |
| AIS | Denotes advertisement/information sign | HH | Denotes hand hole | UGC | Denotes underground communication line |
| BE | Denotes building entrance | HYD | Denotes fiber optic hand hole | UCS | Denotes underground electric line |
| BH | Denotes beehive catch basin | KWB | Denotes fire hydrant | W | Denotes water line |
| CB | Denotes catch basin | LA | Denotes keystone wall base | WST | Denotes wood steps |
| CBX | Denotes control box | LP | Denotes landscaping | WV | Denotes water valve |
| CBX | Denotes communication box | MB | Denotes mailbox | WVB | Denotes wood wall base |
| CMP | Denotes corrugated metal pipe | OD | Denotes overhead door | ARB | Denotes Arborvitae |
| COL | Denotes building column | OHE | Denotes overhead electric line | BIR | Denotes Birch tree |
| CONC | Denotes concrete | (P) | Denotes per plan | CRAB | Denotes Crabapple tree |
| DE | Denotes decorative brick pavers | PPU | Denotes power pole with underground utility | MPL | Denotes Maple tree |
| DI | Denotes ductile iron pipe | RCP | Denotes reinforced concrete pipe | PNR | Denotes Red Pine tree |
| EM | Denotes electric meter | RD | Denotes roof drain | SHB | Denotes shrub |
| | | SAN S | Denotes sanitary sewer | SPR | Denotes Spruce tree |
| | | SFG | Denotes water spigot | TR | Denotes deciduous tree |

I hereby certify that this survey, plan, or report was prepared by me or under my direct supervision and that I am a duly Licensed Land Surveyor under the laws of the State of Minnesota.

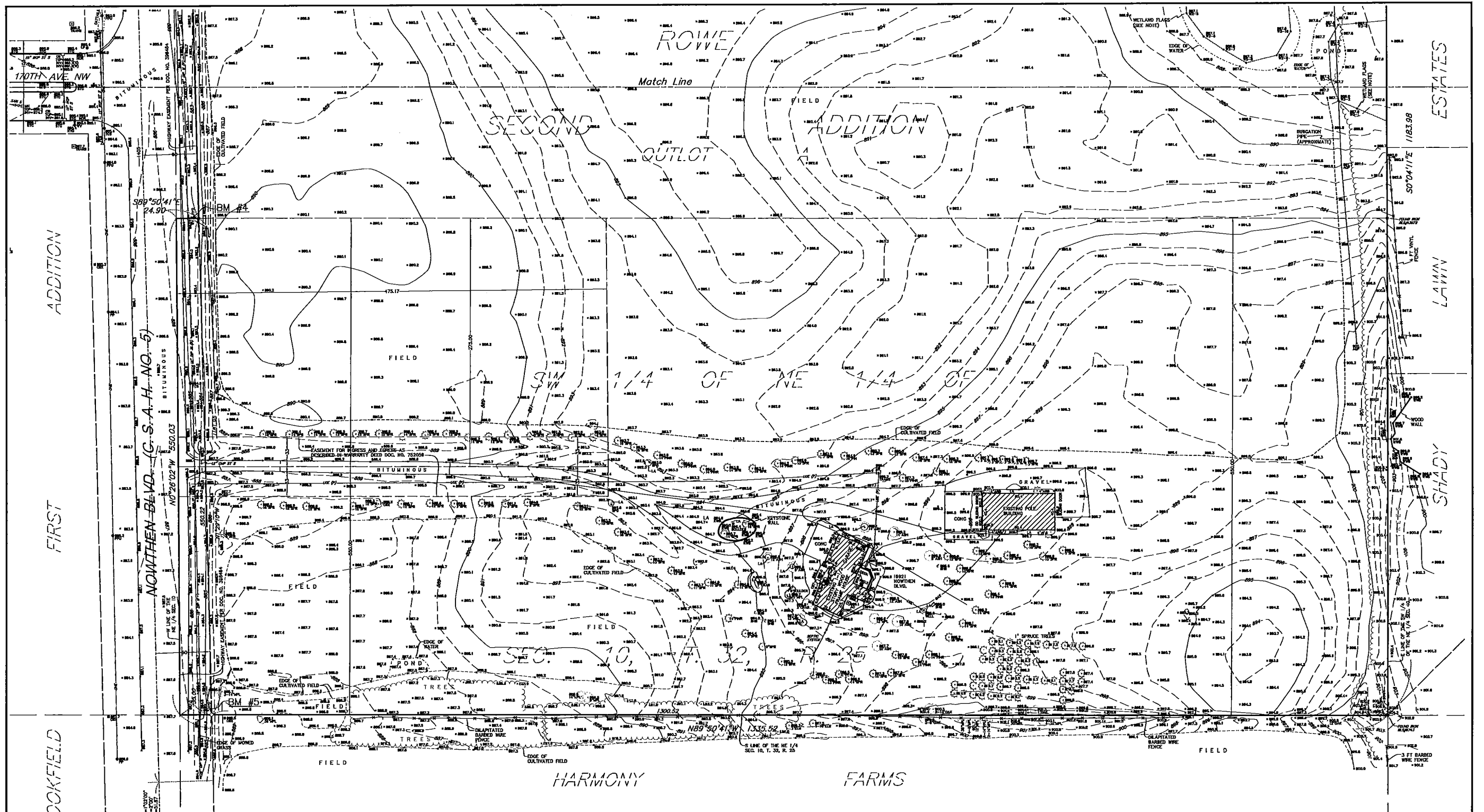
Dated this 17th day of March, 2017

SUNDE LAND SURVEYING, LLC.
By: *John J. Sunde*
John J. Sunde, P.L.S. Minn. Lic. No. 44900



SEE SHEET 2 FOR PROPERTY DESCRIPTION AND NOTES

Drawing Title: BOUNDARY, LOCATION, TOPOGRAPHIC and UTILITY SURVEY FOR: ANOKA-HENNEPIN PUBLIC SCHOOL DISTRICT RAMSEY SCHOOL SITE	
SUNDE LAND SURVEYING www.sunde.com	
Project: 2017-040 Township: 32 N Range: 23 E Section: 10	Map: 067/47 Date: 3/17/2017 Sheet: 1 of 2



GENERAL NOTES

- 1.) Survey coordinate basis: Anoka County Coordinate System (NAD 83, 1996 Ad.)
- 2.) Wetlands shown hereon are as per delineation markers observed in the process of conducting the fieldwork. Markers were set by Pinnacle Engineering, March 8, 2017.

UTILITY NOTES

- 1.) Utility information from plans and markings was combined with observed evidence of utilities to develop a view of the underground utilities shown hereon. However, lacking excavation, the exact location of underground features cannot be accurately, completely and reliably depicted. In addition, Gopher State One Call locates requests from surveyors may be ignored or result in an incomplete response. Where additional or more detailed information is required, excavation and/or a private utility locate request may be necessary.
- 2.) Other underground utilities of which we are unaware may exist. Verify all utilities critical to construction or design.
- 3.) Some underground utility locations are shown as marked onsite by those utility companies whose locators responded to our Gopher State One Call, ticket number 170580206.
- 4.) Contact GOPHER STATE ONE CALL at 651-454-0002 (800-252-1166) for precise onsite location of utilities prior to any excavation.
- 5.) Private utilities are shown as marked by Hance Locating Services, Inc. on March 3, 2017. Private utilities are those utilities installed for the use of their owner, typically by someone other than a Gopher State One Call registered utility operator.

DESCRIPTION OF PROPERTY SURVEYED

Lot 1, Block 1 and Outlot A, ROWE SECOND ADDITION, according to the recorded plat thereof, Anoka County, Minnesota.

And

(Per Warranty Deed Document No. 1443054)

The West 475.17 feet of the North 275.00 feet of the South 550.00 feet of the Southwest Quarter of the Northeast Quarter of Section 10, Township 32, Range 25.

And

(Per Warranty Deed Document No. 752059)

The South 550.00' of the Southwest Quarter of the Northeast Quarter, Section 10, Township 32, Range 25, Anoka County, Minnesota, according to the U.S. Government Survey thereof, excepting therefrom the North 275' of the West 475.17' thereof. Subject to easements of record. Also subject to that part taken for C.S.A.H. No. 5.

Subject to and together with an easement for ingress and egress over and across a strip of land 66 feet in width, the centerline of which is the South line of the West 475.17 feet of the North 275.00 feet of the South 550.00 feet of the Southwest Quarter of the Northeast Quarter of Section 10, Township 32, Range 25, Anoka County, Minnesota.

This survey was prepared without the benefit of current title work. Easements, appurtenances, and encumbrances may exist in addition to those shown hereon. This survey is subject to revision upon receipt of a current title insurance commitment or attorney's title opinion.

LEGEND

- | | | | |
|------|---|-------|---|
| ○ | Denotes iron monument set marked with P.L.S. No. 44900 | NH | Denotes manhole |
| ● | Denotes found iron monument marked with P.L.S. No. 18450, unless otherwise noted. | OD | Denotes overhead electric line |
| AC | Denotes air conditioner | OHE | Denotes overhead electric line |
| AGP | Denotes above ground pipe(s) | PP | Denotes power pole |
| AIS | Denotes advertisement/information sign | PPU | Denotes power pole with underground utility |
| BE | Denotes building entrance | RCP | Denotes reinforced concrete pipe |
| CB | Denotes catch basin | RD | Denotes roof drain |
| CBX | Denotes communication box | SAN S | Denotes sanitary sewer |
| CMP | Denotes corrugated metal pipe | SPC | Denotes water spigot |
| COL | Denotes building column | STC | Denotes top of surmountable curb |
| CONC | Denotes concrete | ST S | Denotes storm sewer |
| DB | Denotes decorative brick pavers | TCS | Denotes traffic control sign |
| DIP | Denotes ductile iron pipe | UGC | Denotes underground communication line |
| EM | Denotes electric meter | UGE | Denotes underground electric line |
| FES | Denotes fence end section | W | Denotes water line |
| GP | Denotes guard post | WV | Denotes wood steps |
| GW | Denotes guy wire | WVB | Denotes wood wall base |
| HH | Denotes hand hole | | |
| HYD | Denotes fiber optic hand hole | ARB | Denotes Arborvitae |
| KWB | Denotes fire hydrant | BIR | Denotes Birch tree |
| LA | Denotes landscape | CRAB | Denotes Crabapple tree |
| LP | Denotes light pole | MPL | Denotes Maple tree |
| MB | Denotes mailbox | PNR | Denotes Red Pine tree |
| | | SHB | Denotes Shrub |
| | | SPR | Denotes Spruce tree |
| | | TR | Denotes deciduous tree |

AREA

Gross: 1,660,492 sq. ft. or 38,120 acres.

Net: (Excludes Highway Easement per Document No. 396464) 1,644,022 sq. ft. or 37,742 acres

Dated this 17th day of March, 2017

Certified by: *Alan J. Carlson*
Alan J. Carlson, P.L.S. Minn. Lic. No. 44900

Drawing Title		By	Date
BOUNDARY, LOCATION, TOPOGRAPHIC and UTILITY SURVEY FOR: ANOKA-HENNEPIN PUBLIC SCHOOL DISTRICT RAMSEY SCHOOL SITE		AL	3/17/2017
SUNDE LAND SURVEYING		Met Office: 9001 East Hennepin Avenue (395) - Suite 118 Bloomington, Minnesota 55425-3438 952-841-2450 (Fax: 952-845-9038) Branch Office: Cloquet, Minnesota 55725-199-6367	
Project: 2017-040	Sheet: 68/77	Date: 3/17/2017	
Township: 32 Range: 25 Section: 10		Sheet: 2 of 2	
The 2017-04001.dwg			

BENCH MARKS (BM)

(NAD 83)

- 1.) Benchmark set in covered tube approximately 65 feet west of centerline of C.S.A.H. No. 5 and 55 feet south of centerline of 170th Ave. NW. Anoka County Benchmark No. 2087 (not shown on survey). Elevation = 888.60 feet
- 2.) Top of west end of concrete culvert for Trott Brook. Anoka County Benchmark No. 3078 (not shown on survey). Elevation = 867.97 feet
- 3.) Top of top nut of first fire hydrant north of 170th Ave. NW on east side of C.S.A.H. No. 5 (Northern Blvd.). Elevation = 884.22 feet
- 4.) Top of top nut of first fire hydrant south of 170th Ave. NW on east side of C.S.A.H. No. 5 (Northern Blvd.). Elevation = 885.99 feet
- 5.) Top of top nut of second fire hydrant south of 170th Ave. NW on east side of C.S.A.H. No. 5 (Northern Blvd.). Elevation = 887.53 feet