

KELLER LAKE TRAIL PROJECT

LOWER KELLER TO SPOON LAKE BID PACKAGE #1 - BITUMINOUS TRAIL PAVING BIDDING PLAN SET

DRAWING INDEX

COVER SHEET	BD 1.0
SITE PLAN - OVERALL	BD 2.0
SITE PLAN - ENLARGED	BD 2.1
SITE PLAN - ENLARGED	BD 2.2
SITE PLAN - ENLARGED	BD 2.3
SITE PLAN - ENLARGED	BD 2.4
SITE PLAN - ENLARGED	BD 2.5
SITE PLAN - ENLARGED	BD 2.6
SITE PLAN - ENLARGED	BD 2.7
SITE PLAN - ENLARGED	BD 2.8
EROSION CONTROL, SWPPP OVERALL PLAN	BD 3.0
EROSION CONTROL, SWPPP PLAN	BD 3.1
EROSION CONTROL, SWPPP PLAN	BD 3.2
EROSION CONTROL, SWPPP PLAN	BD 3.3
EROSION CONTROL, SWPPP PLAN	BD 3.4
EROSION CONTROL, SWPPP PLAN	BD 3.5
EROSION CONTROL, SWPPP PLAN	BD 3.6
EROSION CONTROL, SWPPP PLAN	BD 3.7
EROSION CONTROL, SWPPP PLAN	BD 3.8
LANDSCAPE DETAILS	BD 4.0
SITE DETAILS	BD 5.0
SITE DETAILS	BD 5.1
SITE DETAILS	BD 5.2
SITE DETAILS	BD 5.3
SITE DETAILS	BD 5.4
SITE DETAILS	BD 5.5
SITE DETAILS	BD 5.6
SITE DETAILS	BD 5.7
SITE DETAILS	BD 5.8
SITE DETAILS	BD 5.9



**RAMSEY COUNTY
 PARKS AND RECREATION**
 2015 N. VAN DYKE STREET
 MAPLEWOOD, MN 55109
 TEL: (651) 748-2500
 FAX: (651) 748-2508



CONTACT INFORMATION:
 B. Gus Blumer, Landscape Architect
 6515 N. Van Dyke Street
 Maplewood, MN 55109
 brett.blumer@co.ramsey.mn.us
 651.748.2500

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.

Registration: Landscape Architect
 State: Minnesota
 Number: 42344
 Signature: B. Gus Blumer
Brett Blumer

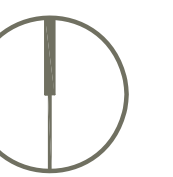
NO.	DATE	DESCRIPTION
1	X/YY/ZZ	X DOCUMENTS

DESIGN PHASE:

BID DOCUMENTS

KELLER LAKE TRAIL PROJECT
LOWER KELLER TO SPOON LAKE
BID PACKAGE #1 - BITUMINOUS TRAIL PAVING
 RAMSEY COUNTY PARKS AND RECREATION DEPARTMENT
 KELLER REGIONAL PARK

DATE: MAY 2013
 DESIGNED BY: BGB
 DRAWN BY: BGB
 CHECKED BY: SAY



TITLE

COVER SHEET

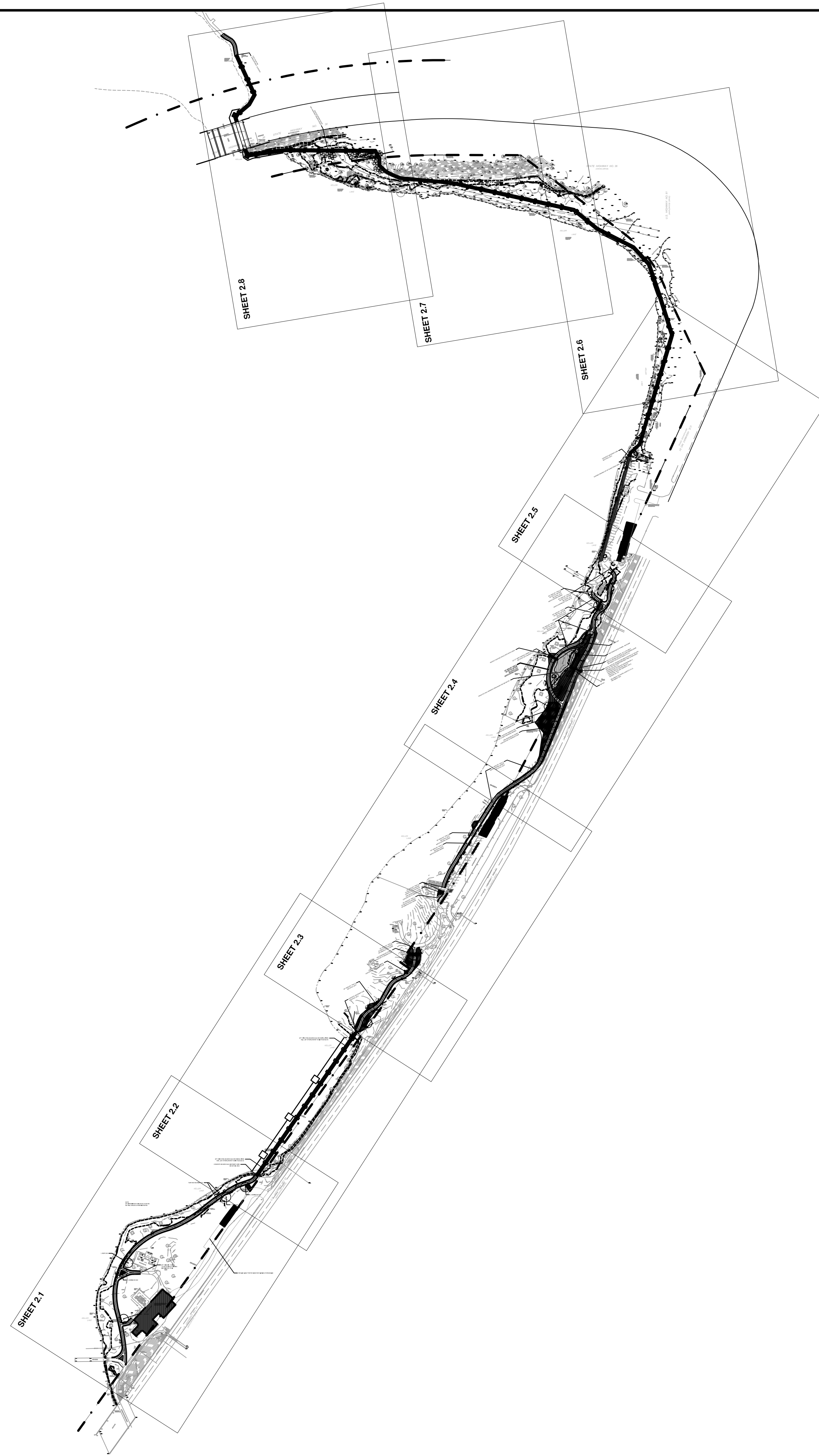
BD 1.0

SHEET 1 OF 30

NOTE: Prior to any excavation, the contractor shall verify the location of all underground utilities.

Call 48 hours prior to digging.

GOPHER STATE ONE CALL
 Metro Area: 651-454-8388
 Mn. Toll Free: 1-800-252-1166



NOTE: Prior to any excavation, the contractor shall verify the location of all underground utilities.

Call 48 hours prior to digging.

GOPHER STATE ONE CALL
 Metro Area: 651-454-8388
 Mn. Toll Free: 1-800-252-1166

GENERAL SITE PLAN NOTES:

CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES AND TOPOGRAPHIC CONDITIONS PRIOR TO CONSTRUCTION START. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES OR VARIATIONS FROM THE PLANS. ANY DISCREPANCIES FOUND THAT AFFECT THE WORK SHALL BE REPORTED TO THE OWNER OR OWNER'S REPRESENTATIVE FOR CLARIFICATION PRIOR TO ANY ADDITIONAL WORK BEING COMPLETED.

CONTRACTOR SHALL CONTACT "GOPHER STATE ONE CALL" FOR ALL UTILITY LOCATIONS (651-454-0002) 48 HR. PRIOR TO EXCAVATION/CONSTRUCTION.

REFER TO SITE PLANS FOR EXISTING AND PROPOSED GRADES, TREE AND SILT FENCE LOCATIONS.

CONTRACTOR TO VERIFY HORIZONTAL LOCATION AND ELEVATION WHERE A CONNECTION TO EXISTING PAVEMENT, STRUCTURE OR SITE FEATURE IS TO BE MADE.

CONTRACTOR TO WORK OUT OF TREE DRIP ZONE EXCEPT IN AREAS DESIGNATED BY LANDSCAPE ARCHITECT.

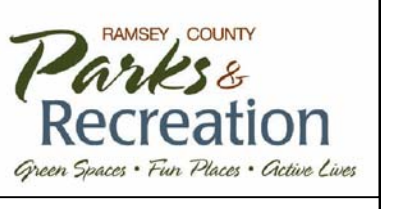
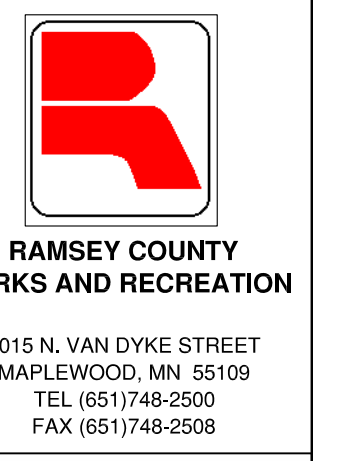
CRITICAL LAYOUT DIMENSIONS. THE OWNER OR OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REVISE THE PROJECT LAYOUT TO AVOID UNFORESEEN CONSTRAINTS SUCH AS MATURE TREES, UNFORESEEN SOIL CONSTRAINTS, ETC. THESE ADJUSTMENTS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING UTILITIES, TREES, SITE AMENITIES, ET. FROM DAMAGE DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY DAMAGE (AT CONTRACTORS EXPENSE). THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LOCATES. LOCATES SHALL BE MARKED IN THE FIELD FOR REVIEW BY THE OWNER OR OWNER'S REPRESENTATIVE.

CONTRACTOR SHALL STAY WITHIN CONSTRUCTION LIMITS UNLESS APPROVED OTHERWISE BY THE OWNER OR OWNERS REPRESENTATIVE. THE WORK ZONE SHALL BE KEPT AS MINIMAL AS POSSIBLE DURING CONSTRUCTION. MOVEMENT AND PARKING OF EQUIPMENT SHALL STAY WITHIN WORK ZONE AND NOT CROSS AREAS OTHERWISE UNDISTURBED DURING EARTHWORK OPERATION.

CADD FILE AVAILABLE UPON REQUEST FOR INITIAL FIELD LAYOUT. CONTRACTOR SHALL PROVIDE LAYOUT SURVEYING AND STAKING. FIELD VERIFY STAKING WITH OWNER PRIOR TO CONSTRUCTION.

N.I.C. = NOT IN CONTRACT.



CONTACT INFORMATION:
 B. Gus Blumer, Landscape Architect
 6515 N. Van Dyke Street
 Maplewood, MN 55109
 brett.blumer@co.ramsey.mn.us
 651.748.2500

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.

Registration: Landscape Architect
State: Minnesota
Number: 42944
Signature: B. Gus Blumer

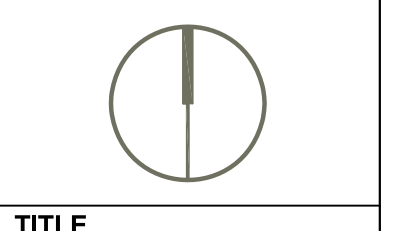
NO.	DATE	DESCRIPTION
1	X/Y/ZZ	X DOCUMENTS

DESIGN PHASE:

BID DOCUMENTS

**KELLER LAKE TRAIL PROJECT
 LOWER KELLER TO SPOON LAKE
 BID PACKAGE #1 - BITUMINOUS TRAIL PAVING
 RAMSEY COUNTY PARKS AND RECREATION DEPARTMENT
 KELLER REGIONAL PARK**

DATE: MAY 2013
DESIGNED BY: BGB
DRAWN BY: BGB
CHECKED BY: SAY



TITLE
 SITE KEY PLAN

BD 2.0

EROSION CONTROL NOTES: ALL EROSION CONTROL DEVICES SHALL BE IN ACCORDING TO MNDOT 2573 AND SHALL BE INSTALLED PRIOR TO START OF CONSTRUCTION. VERIFY ALL LOCATIONS WITH LANDSCAPE ARCHITECT.

SILT FENCE SHALL BE INSTALLED IN AREAS ADJACENT TO AND WITHIN THE CONSTRUCTION AREA (DOWN SLOPE AREAS OF GRADING LIMITS, AND ADJACENT WETLAND EDGES TO CONSTRUCTION AREAS AND OTHER NECESSARY LOCATION FOR EROSION CONTROL) AS DESIGNATED BY THE LANDSCAPE ARCHITECT FOR EROSION CONTROL MEASURES.

RESTORATION / TURF ESTABLISHMENT: TURF ESTABLISHMENT SHALL APPLY TO ALL DISTURBED AREAS AND SHALL BE ACCORDING TO MNDOT 2575, EXCEPT AS MODIFIED. TURF ESTABLISHMENT SHALL OCCUR WITHIN 7-DAYS OF COMPLETING THE GRADING. ALL TURF SHALL BE SEEDED. CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING WATERING ALL TURF AND NATIVE SEEDING DURING INSTALLATION AND FOR A 60-DAY ESTABLISHMENT PERIOD AFTER ACCEPTANCE.

TOPSOIL - MNDOT 3877, COVER ALL DISTURBED AREAS WITH 4" OF MNDOT 3877 TYPE A TOPSOIL.

SEED - Turf Mix MNDOT 260

PROTECTIVE TREE FENCE

REMOVE TREE

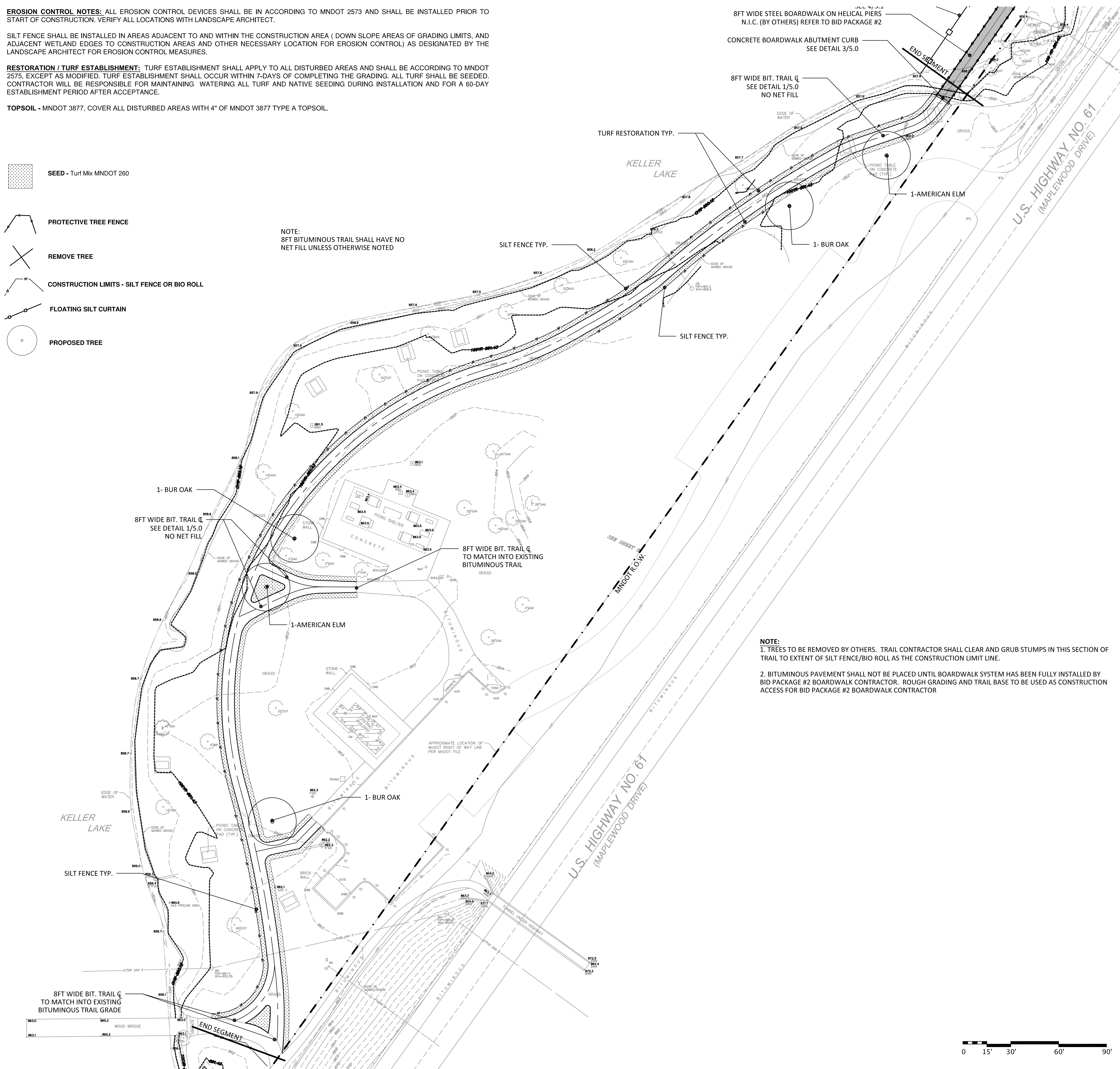
CONSTRUCTION LIMITS - SILT FENCE OR BIO ROLL

FLOATING SILT CURTAIN

PROPOSED TREE

NOTE:
8FT BITUMINOUS TRAIL SHALL HAVE NO NET FILL UNLESS OTHERWISE NOTED

NOTE:
1. TREES TO BE REMOVED BY OTHERS. TRAIL CONTRACTOR SHALL CLEAR AND GRUB STUMPS IN THIS SECTION OF TRAIL TO EXTENT OF SILT FENCE/BIO ROLL AS THE CONSTRUCTION LIMIT LINE.
2. BITUMINOUS PAVEMENT SHALL NOT BE PLACED UNTIL BOARDWALK SYSTEM HAS BEEN FULLY INSTALLED BY BID PACKAGE #2 BOARDWALK CONTRACTOR. ROUGH GRADING AND TRAIL BASE TO BE USED AS CONSTRUCTION ACCESS FOR BID PACKAGE #2 BOARDWALK CONTRACTOR



GENERAL SITE PLAN NOTES:

CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES AND TOPOGRAPHIC CONDITIONS PRIOR TO CONSTRUCTION START. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES OR VARIATIONS FROM THE PLANS. ANY DISCREPANCIES FOUND THAT AFFECT THE WORK SHALL BE REPORTED TO THE OWNER OR OWNER'S REPRESENTATIVE FOR CLARIFICATION PRIOR TO ANY ADDITIONAL WORK BEING COMPLETED.

CONTRACTOR SHALL CONTACT "GOPHER STATE ONE CALL" FOR ALL UTILITY LOCATIONS (651-454-0002) 48 HR. PRIOR TO EXCAVATION/CONSTRUCTION.

CONTRACTOR TO VERIFY HORIZONTAL LOCATION AND ELEVATION WHERE A CONNECTION TO EXISTING PAVEMENT, STRUCTURE OR SITE FEATURE IS TO BE MADE.

CONTRACTOR TO WORK OUT OF TREE DRIP ZONE EXCEPT IN AREAS DESIGNATED BY LANDSCAPE ARCHITECT.

CRITICAL LAYOUT DIMENSIONS. THE OWNER OR OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REVISE THE PROJECT LAYOUT TO AVOID UNFORESEEN CONSTRAINTS SUCH AS MATURE TREES, UNFORESEEN SOIL CONSTRAINTS, ETC. THESE ADJUSTMENTS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. CHANGES IN BID QUANTITIES WILL BE BASED ON A PER UNIT BASIS FOR UNIT BID ITEMS LISTED ON THE BID FORM.

CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING UTILITIES, TREES, SITE AMENITIES, ETC. FROM DAMAGE DURING CONSTRUCTION.

CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY DAMAGE (AT CONTRACTORS EXPENSE), THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LOCATES. LOCATES SHALL BE MARKED IN THE FIELD FOR REVIEW BY THE OWNER OR OWNER'S REPRESENTATIVE.

CONTRACTOR SHALL STAY WITHIN CONSTRUCTION LIMITS UNLESS APPROVED OTHERWISE BY THE OWNER OR OWNERS REPRESENTATIVE. THE WORK ZONE SHALL BE KEPT AS MINIMAL AS POSSIBLE DURING CONSTRUCTION. MOVEMENT AND PARKING OF EQUIPMENT SHALL STAY WITHIN WORK ZONE AND NOT CROSS AREAS OTHERWISE UNDISTURBED DURING EARTHWORK OPERATION.

TREES TO BE REMOVED BY RAMSEY COUNTY PRIOR TO CONSTRUCTION. CLEARING, GRUBBING, AND STUMP REMOVAL IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHOULD BE DISPOSED OF OFF SITE.

N.I.C.= NOT IN CONTRACT - REFER TO BID PACKAGE #2 FOR THE BOARDWALK AND BOARDWALK FOUNDATIONS

ASPHALT ROADWAY, PARKING LOTS AND OTHER ITEMS - LAYOUT NOTES: BITUMINOUS TRAIL, CONCRETE CURBS, AND CONSTRUCTION LIMITS SHALL BE FIELD STAKED BY CONTRACTOR. CONTRACTOR WILL NEED APPROVAL BY RAMSEY COUNTY LANDSCAPE ARCHITECT PRIOR TO COMMENCING CONSTRUCTION. COORDINATE WITH BID PACK #2 CONTRACTOR

SPOT GRADES & DRAINAGE REQUIREMENTS: ALL SPOT ELEVATIONS REPRESENT FINISHED SURFACE GRADE UNLESS OTHERWISE NOTED.

THE CONTRACTOR SHALL REVIEW GRADING WITH THE LA-ENG. PRIOR TO START TO ENSURE PROPER DRAINAGE. THE INTENT OF ALL PROPOSED SPOT GRADES AND GRADING IS TO MATCH EXISTING GRADES ADJACENT TO NEW CONSTRUCTION TO ENSURE PROPER DRAINAGE AND BLENDING OF NEW GRADES WITH EXISTING ONES. MAX. SLOPES SHALL NOT BE GREATER THAN 4:1 UNLESS OTHERWISE NOTED ON THE PLAN.

SUB CUT REQUIREMENTS: GRADES AS SHOWN ARE TO FINISH GRADE. CONTRACTOR SHALL SUB CUT IN ACCORDANCE WITH PAVEMENT SECTIONS.

CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SURVEYING RELATING TO SITE GRADING. THE CONTRACTOR SHALL FIELD VERIFY ALL GRADES WITH THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY OWNER OF ANY DISCREPANCIES OR VARIATION FROM PLAN.

TOPSOIL STRIPPING, STOCKPILING AND RE-SPREADING REQUIREMENTS: TOPSOIL SHALL BE STRIPPED FROM ALL DISTURBED AREAS FROM COMMON EXCAVATION AND SHALL BE SALVAGED AND STOCKPILED. THE LANDSCAPE ARCHITECT SHALL DETERMINE PLACEMENT OF THE STOCKPILE PRIOR TO CONSTRUCTION.

EXISTING TOPSOIL FROM COMMON EXCAVATION SHALL BE SALVAGED AND STOCKPILED IN THE TEMPORARY STORAGE AREA INDICATED ON THE PLANS. SALVAGED TOPSOIL SHALL BE FREE OF CONTAMINANTS & DEBRIS ROOTS, WEEDS AND ROCK OVER 1/2" IN SIZE AND FOREIGN MATERIAL.

CONTRACTOR SHALL STRIP, STOCKPILE & RE-SPREAD SUFFICIENT TOPSOIL TO PROVIDE A MINIMUM 4 INCH DEPTH (COMPACTED) TO ALL DISTURBED AREAS TO BE SEEDED, UNLESS OTHERWISE NOTED. ALL DISTURBED AREAS TO RECEIVE SEED/TURF ESTABLISHMENT AND ADD SOIL AMENDMENTS FOR OPTIMUM PLANT GROWTH. TOPSOIL SHALL BE IN A RELATIVELY DRY STATE WHEN PLACED. FINE GRADE TOPSOIL TO ELIMINATE ROUGH OR LOW SPOTS. MANUALLY SPREAD TOPSOIL CLOSE TO TREES, PLANTS, AND PAVEMENT TO PREVENT DAMAGE.

EXCESS STOCKPILE MATERIAL THAT IS NOT SUITEABLE FOR REUSE SHALL BE DISPOSED OFF SITE BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR RESTORING ALL STOCKPILE AREAS AFTER MATERIAL IS REMOVED.

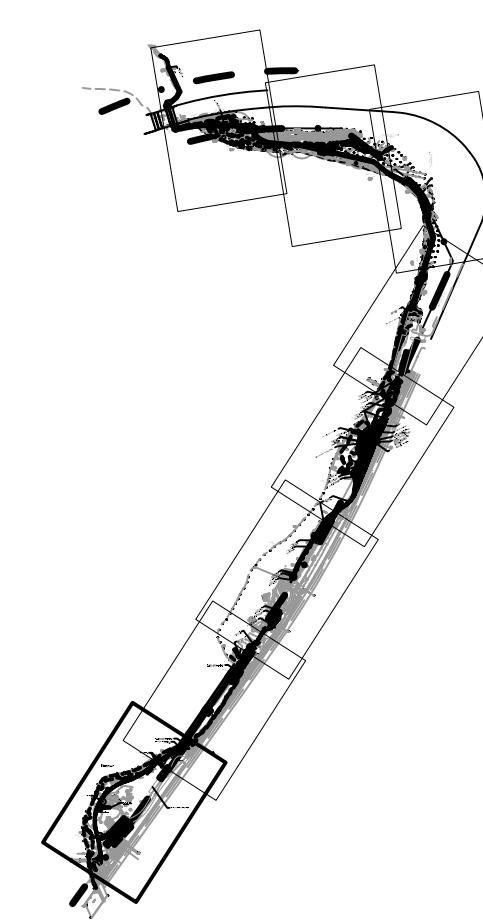
IMPORTED TOPSOIL SHALL BE PLACED IN AREAS WITH INADEQUATE TOPSOIL AS DETERMINED IN THE FIELD BY OWNER'S REPRESENTATIVE. CLEAN TOPSOIL IMPORT SHALL CONFORM TO MNDOT 3877 TYPE A REQUIREMENTS

SILT AND TREE PROTECTIVE FENCE: CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING SILT FENCE PER PLAN PRIOR TO CONSTRUCTION. SILT FENCE LOCATIONS SHALL BE REVIEWED PRIOR TO CONSTRUCTION.

CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL STORM DRAIN INLETS

CONTRACTOR SHALL ERECT AND MAINTAIN PROTECTIVE FENCING FOR EXISTING TREES THAT ARE TO REMAIN AND THAT ARE NEAR THE CONSTRUCTION ZONE. OWNER WILL WALK THE SITE WITH THE CONTRACTOR PRIOR TO ROUGH GRADING TO IDENTIFY TREES TO BE PROTECTED TREE PROTECTION INCLUDING PROTECTIVE FENCING SHALL BE CONSIDERED INCIDENTAL TO THE GRADING WORK AND SHOULD BE INCLUDED IN THE CONTRACTORS BID PRICE FOR THAT WORK REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

SHEET KEY



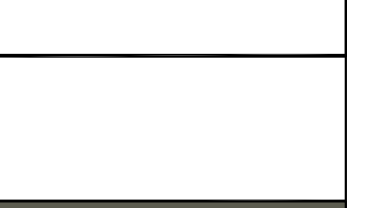
NOTE: Prior to any excavation, the contractor shall verify the location of all underground utilities.

Call 48 hours prior to digging.

GOPHER STATE ONE CALL
Metro Area: 651-454-8388
Mn. Toll Free: 1-800-252-1166



2015 N. VAN DYKE STREET
MAPLEWOOD, MN 55109
TEL (651)748-2500
FAX (651)748-2508



B. Gus Blumer, Landscape Architect
6015 N. Van Dyke Street
Maplewood, MN 55109
bretl.blumer@co.ramsey.mn.us
651.748.2500

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.

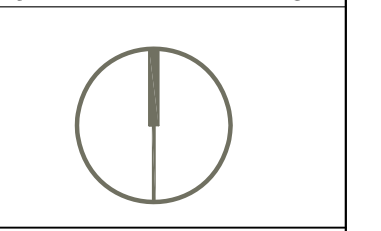
Registration: Landscape Architect
State: Minnesota
Number: 42944
Signature: B. Gus Blumer

NO.	DATE:	DESCRIPTION:
1	X/ Y/ZZ	X DOCUMENTS

DESIGN PHASE:
BID DOCUMENTS

**KELLER LAKE TRAIL PROJECT
LOWER KELLER TO SPOON LAKE
BID PACKAGE #1 - BITUMINOUS TRAIL PAVING
RAMSEY COUNTY PARKS AND RECREATION DEPARTMENT
KELLER REGIONAL PARK**

DATE: MAY 2013
DESIGNED BY: BGB
DRAWN BY: BGB
CHECKED BY: SAY



TITLE
SITE PLAN

BD 2.1

EROSION CONTROL NOTES: ALL EROSION CONTROL DEVICES SHALL BE IN ACCORDING TO MNDOT 2573 AND SHALL BE INSTALLED PRIOR TO START OF CONSTRUCTION. VERIFY ALL LOCATIONS WITH LANDSCAPE ARCHITECT.

SILT FENCE SHALL BE INSTALLED IN AREAS ADJACENT TO AND WITHIN THE CONSTRUCTION AREA (DOWN SLOPE AREAS OF GRADING LIMITS, AND ADJACENT WETLAND EDGES TO CONSTRUCTION AREAS AND OTHER NECESSARY LOCATION FOR EROSION CONTROL) AS DESIGNATED BY THE LANDSCAPE ARCHITECT FOR EROSION CONTROL MEASURES.

RESTORATION / TURF ESTABLISHMENT: TURF ESTABLISHMENT SHALL APPLY TO ALL DISTURBED AREAS AND SHALL BE ACCORDING TO MNDOT 2575, EXCEPT AS MODIFIED. TURF ESTABLISHMENT SHALL OCCUR WITHIN 7-DAYS OF COMPLETING THE GRADING. ALL TURF SHALL BE SEEDED. CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING WATERING ALL TURF AND NATIVE SEEDING DURING INSTALLATION AND FOR A 60-DAY ESTABLISHMENT PERIOD AFTER ACCEPTANCE.

TOPSOIL - MNDOT 3877, COVER ALL DISTURBED AREAS WITH 4" OF MNDOT 3877 TYPE A TOPSOIL.

 SEED - Turf Mix MNDOT 260

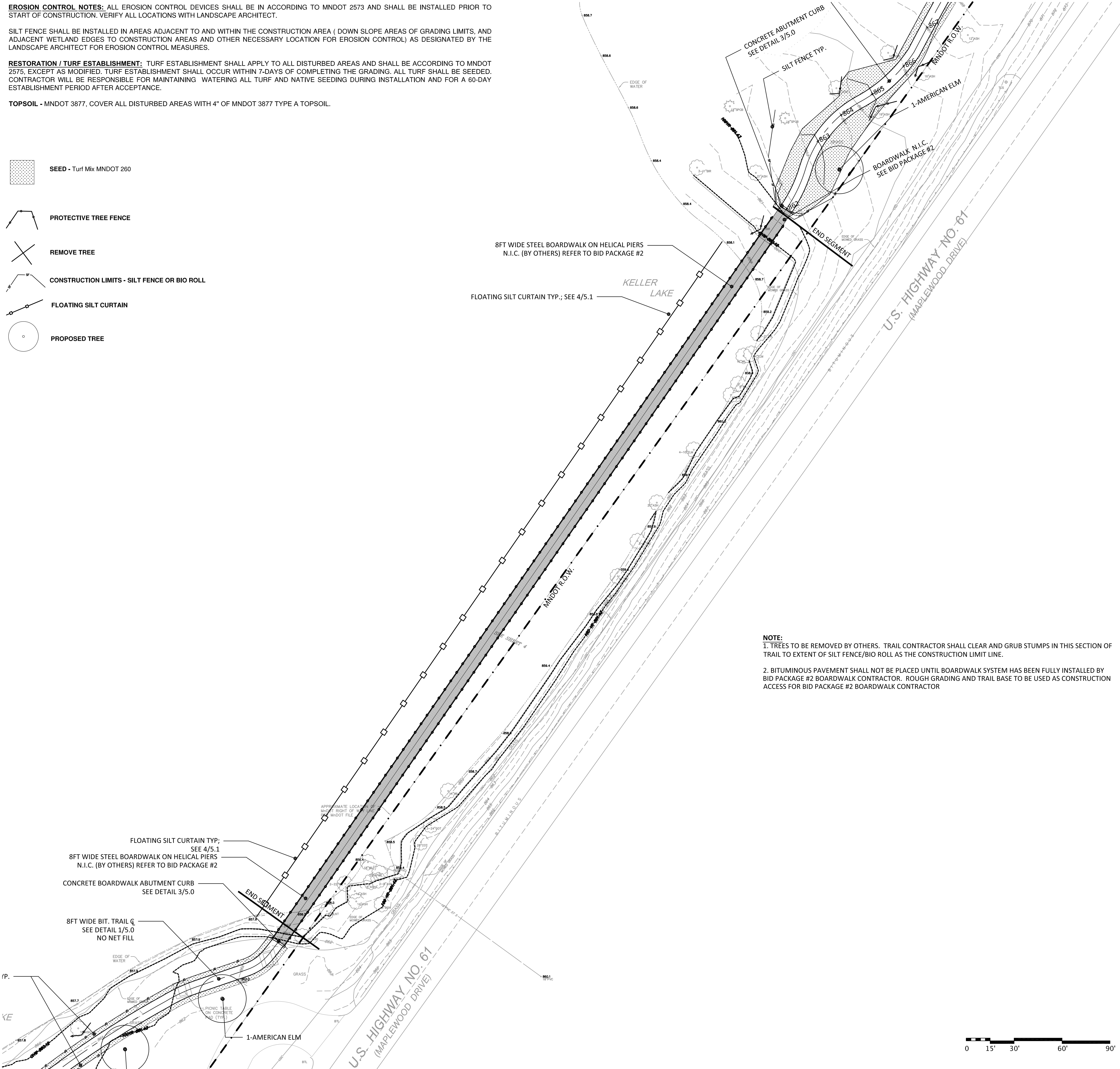
 PROTECTIVE TREE FENCE

 REMOVE TREE

 CONSTRUCTION LIMITS - SILT FENCE OR BIO ROLL

 FLOATING SILT CURTAIN

 PROPOSED TREE



NOTE:
 1. TREES TO BE REMOVED BY OTHERS. TRAIL CONTRACTOR SHALL CLEAR AND GRUB STUMPS IN THIS SECTION OF TRAIL TO EXTENT OF SILT FENCE/BIO ROLL AS THE CONSTRUCTION LIMIT LINE.
 2. BITUMINOUS PAVEMENT SHALL NOT BE PLACED UNTIL BOARDWALK SYSTEM HAS BEEN FULLY INSTALLED BY BID PACKAGE #2 BOARDWALK CONTRACTOR. ROUGH GRADING AND TRAIL BASE TO BE USED AS CONSTRUCTION ACCESS FOR BID PACKAGE #2 BOARDWALK CONTRACTOR

GENERAL SITE PLAN NOTES:

CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES AND TOPOGRAPHIC CONDITIONS PRIOR TO CONSTRUCTION START. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES OR VARIATIONS FROM THE PLANS. ANY DISCREPANCIES FOUND THAT AFFECT THE WORK SHALL BE REPORTED TO THE OWNER OR OWNER'S REPRESENTATIVE FOR CLARIFICATION PRIOR TO ANY ADDITIONAL WORK BEING COMPLETED.

CONTRACTOR SHALL CONTACT "GOPHER STATE ONE CALL" FOR ALL UTILITY LOCATIONS (651-454-0002) 48 HR. PRIOR TO EXCAVATION/CONSTRUCTION.

CONTRACTOR TO VERIFY HORIZONTAL LOCATION AND ELEVATION WHERE A CONNECTION TO EXISTING PAVEMENT, STRUCTURE OR SITE FEATURE IS TO BE MADE.

CONTRACTOR TO WORK OUT OF TREE DRIP ZONE EXCEPT IN AREAS DESIGNATED BY LANDSCAPE ARCHITECT.

CRITICAL LAYOUT DIMENSIONS. THE OWNER OR OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REVISE THE PROJECT LAYOUT TO AVOID UNFORESEEN CONSTRAINTS SUCH AS MATURE TREES, UNFORESEEN SOIL CONSTRAINTS, ETC. THESE ADJUSTMENTS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. CHANGES IN BID QUANTITIES WILL BE BASED ON A PER UNIT BASIS FOR UNIT BID ITEMS LISTED ON THE BID FORM.

CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING UTILITIES, TREES, SITE AMENITIES, ETC. FROM DAMAGE DURING CONSTRUCTION.

CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY DAMAGE (AT CONTRACTORS EXPENSE), THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LOCATES. LOCATES SHALL BE MARKED IN THE FIELD FOR REVIEW BY THE OWNER OR OWNER'S REPRESENTATIVE.

CONTRACTOR SHALL STAY WITHIN CONSTRUCTION LIMITS UNLESS APPROVED OTHERWISE BY THE OWNER OR OWNERS REPRESENTATIVE. THE WORK ZONE SHALL BE KEPT AS MINIMAL AS POSSIBLE DURING CONSTRUCTION. MOVEMENT AND PARKING OF EQUIPMENT SHALL STAY WITHIN WORK ZONE AND NOT CROSS AREAS OTHERWISE UNDISTURBED DURING EARTHWORK OPERATION.

TREES TO BE REMOVED BY RAMSEY COUNTY PRIOR TO CONSTRUCTION. CLEARING, GRUBBING, AND STUMP REMOVAL IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHOULD BE DISPOSED OF OFF SITE.

N.I.C.= NOT IN CONTRACT - REFER TO BID PACKAGE #2 FOR THE BOARDWALK AND BOARDWALK FOUNDATIONS

ASPHALT ROADWAY, PARKING LOTS AND OTHER ITEMS - LAYOUT NOTES: BITUMINOUS TRAIL, CONCRETE CURBS, AND CONSTRUCTION LIMITS SHALL BE FIELD STAKED BY CONTRACTOR. CONTRACTOR WILL NEED APPROVAL BY RAMSEY COUNTY LANDSCAPE ARCHITECT PRIOR TO COMMENCING CONSTRUCTION. COORDINATE WITH BID PACK #2 CONTRACTOR

SPOT GRADES & DRAINAGE REQUIREMENTS: ALL SPOT ELEVATIONS REPRESENT FINISHED SURFACE GRADE UNLESS OTHERWISE NOTED.

THE CONTRACTOR SHALL REVIEW GRADING WITH THE LA-ENG. PRIOR TO START TO ENSURE PROPER DRAINAGE. THE INTENT OF ALL PROPOSED SPOT GRADES AND GRADING IS TO MATCH EXISTING GRADES ADJACENT TO NEW CONSTRUCTION TO ENSURE PROPER DRAINAGE AND BLENDING OF NEW GRADES WITH EXISTING ONES. MAX. SLOPES SHALL NOT BE GREATER THAN 4:1 UNLESS OTHERWISE NOTED ON THE PLAN.

SUB CUT REQUIREMENTS: GRADES AS SHOWN ARE TO FINISH GRADE. CONTRACTOR SHALL SUB CUT IN ACCORDANCE WITH PAVEMENT SECTIONS.

CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SURVEYING RELATING TO SITE GRADING. THE CONTRACTOR SHALL FIELD VERIFY ALL GRADES WITH THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY OWNER OF ANY DISCREPANCIES OR VARIATION FROM PLAN.

TOPSOIL STRIPPING, STOCKPILING AND RE-SPREADING REQUIREMENTS: TOPSOIL SHALL BE STRIPPED FROM ALL DISTURBED AREAS FROM COMMON EXCAVATION AND SHALL BE SALVAGED AND STOCKPILED. THE LANDSCAPE ARCHITECT SHALL DETERMINE PLACEMENT OF THE STOCKPILE PRIOR TO CONSTRUCTION.

EXISTING TOPSOIL FROM COMMON EXCAVATION SHALL BE SALVAGED AND STOCKPILED IN THE TEMPORARY STORAGE AREA INDICATED ON THE PLANS. SALVAGED TOPSOIL SHALL BE FREE OF CONTAMINANTS & DEBRIS ROOTS, WEEDS AND ROCK OVER 1/2" IN SIZE AND FOREIGN MATERIAL.

CONTRACTOR SHALL STRIP, STOCKPILE & RE-SPREAD SUFFICIENT TOPSOIL TO PROVIDE A MINIMUM 4 INCH DEPTH (COMPACTED) TO ALL DISTURBED AREAS TO BE SEEDED, UNLESS OTHERWISE NOTED. ALL DISTURBED AREAS TO RECEIVE SEED/TURF ESTABLISHMENT AND ADD SOIL AMENDMENTS FOR OPTIMUM PLANT GROWTH. TOPSOIL SHALL BE IN A RELATIVELY DRY STATE WHEN PLACED. FINE GRADE TOPSOIL TO ELIMINATE ROUGH OR LOW SPOTS. MANUALLY SPREAD TOPSOIL CLOSE TO TREES, PLANTS, AND PAVEMENT TO PREVENT DAMAGE.

EXCESS STOCKPILE MATERIAL THAT IS NOT SUITEABLE FOR REUSE SHALL BE DISPOSED OFF SITE BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR RESTORING ALL STOCKPILE AREAS AFTER MATERIAL IS REMOVED.

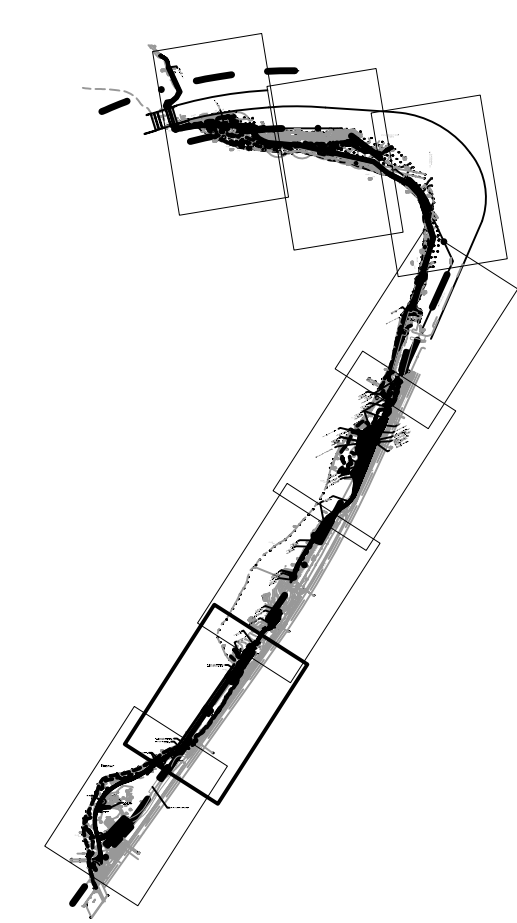
IMPORTED TOPSOIL SHALL BE PLACED IN AREAS WITH INADEQUATE TOPSOIL AS DETERMINED IN THE FIELD BY OWNER'S REPRESENTATIVE. CLEAN TOPSOIL IMPORT SHALL CONFORM TO MNDOT 3877 TYPE A REQUIREMENTS

SILT AND TREE PROTECTIVE FENCE: CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING SILT FENCE PER PLAN PRIOR TO CONSTRUCTION. SILT FENCE LOCATIONS SHALL BE REVIEWED PRIOR TO CONSTRUCTION.

CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL STORM DRAIN INLETS

CONTRACTOR SHALL ERECT AND MAINTAIN PROTECTIVE FENCING FOR EXISTING TREES THAT ARE TO REMAIN AND THAT ARE NEAR THE CONSTRUCTION ZONE. OWNER WILL WALK THE SITE WITH THE CONTRACTOR PRIOR TO ROUGH GRADING TO IDENTIFY TREES TO BE PROTECTED TREE PROTECTION INCLUDING PROTECTIVE FENCING SHALL BE CONSIDERED INCIDENTAL TO THE GRADING WORK AND SHOULD BE INCLUDED IN THE CONTRACTORS BID PRICE FOR THAT WORK REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

SHEET KEY



NOTE: Prior to any excavation, the contractor shall verify the location of all underground utilities.

Call 48 hours prior to digging.

GOPHER STATE ONE CALL
 Metro Area: 651-454-8388
 Mn. Toll Free: 1-800-252-1166




**RAMSEY COUNTY
 PARKS AND RECREATION**
 2015 N. VAN DYKE STREET
 MAPLEWOOD, MN 55109
 TEL (651)748-2500
 FAX (651)748-2508



Park & Recreation
 Green Spaces • Fun Places • Active Lives

CONTACT INFORMATION:
 B. Gus Blumer, Landscape Architect
 6015 N. Van Dyke Street
 Maplewood, MN 55109
 brett.blumer@co.ramsey.mn.us
 651.748.2500

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.

Registration: Landscape Architect
 State: Minnesota
 Number: 42944
 Signature: B. Gus Blumer

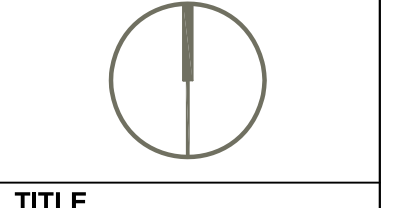
Brett Blumer

NO.	DATE:	DESCRIPTION:
1	X/Y/ZZ	X DOCUMENTS

BID DOCUMENTS

**KELLER LAKE TRAIL PROJECT
 LOWER KELLER TO SPOON LAKE
 BID PACKAGE #1 - BITUMINOUS TRAIL PAVING
 RAMSEY COUNTY PARKS AND RECREATION DEPARTMENT
 KELLER REGIONAL PARK**

DATE: MAY 2013
 DESIGNED BY: BGB
 DRAWN BY: BGB
 CHECKED BY: SAY



TITLE
 SITE PLAN

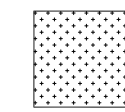



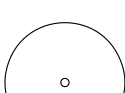
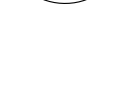
BD 2.2

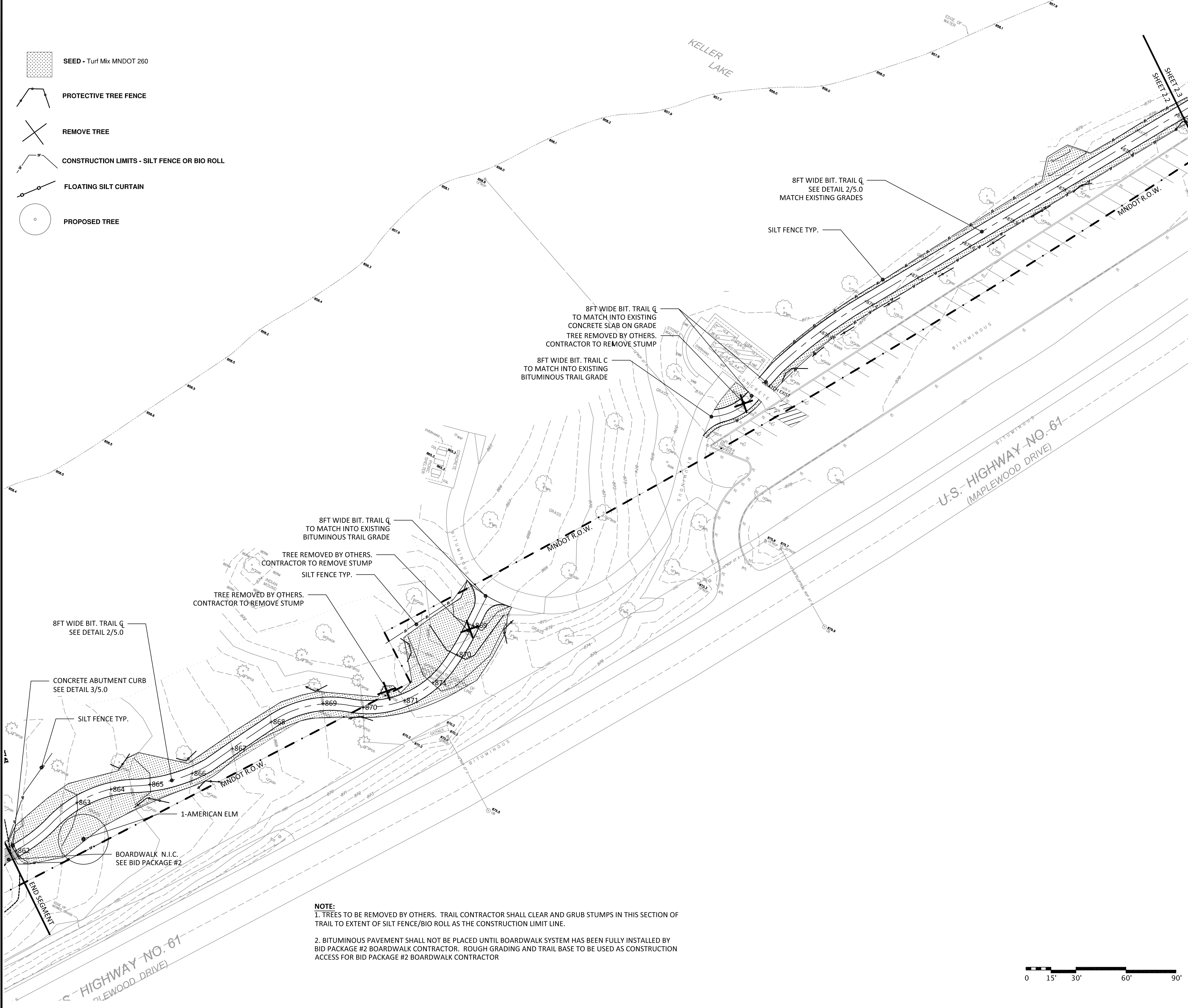
EROSION CONTROL NOTES: ALL EROSION CONTROL DEVICES SHALL BE IN ACCORDING TO MNDOT 2573 AND SHALL BE INSTALLED PRIOR TO START OF CONSTRUCTION. VERIFY ALL LOCATIONS WITH LANDSCAPE ARCHITECT.

SILT FENCE SHALL BE INSTALLED IN AREAS ADJACENT TO AND WITHIN THE CONSTRUCTION AREA (DOWN SLOPE AREAS OF GRADING LIMITS, AND ADJACENT WETLAND EDGES TO CONSTRUCTION AREAS AND OTHER NECESSARY LOCATION FOR EROSION CONTROL) AS DESIGNATED BY THE LANDSCAPE ARCHITECT FOR EROSION CONTROL MEASURES.

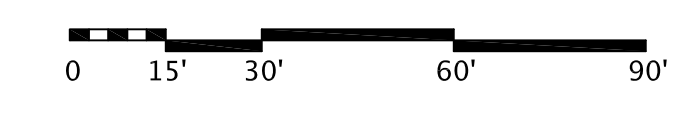
RESTORATION / TURF ESTABLISHMENT: TURF ESTABLISHMENT SHALL APPLY TO ALL DISTURBED AREAS AND SHALL BE ACCORDING TO MNDOT 2575, EXCEPT AS MODIFIED. TURF ESTABLISHMENT SHALL OCCUR WITHIN 7-DAYS OF COMPLETING THE GRADING. ALL TURF SHALL BE SEEDED. CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING WATERING ALL TURF AND NATIVE SEEDING DURING INSTALLATION AND FOR A 60-DAY ESTABLISHMENT PERIOD AFTER ACCEPTANCE.

TOPSOIL - MNDOT 3877, COVER ALL DISTURBED AREAS WITH 4" OF MNDOT 3877 TYPE A TOPSOIL.

-  SEED - Turf Mix MNDOT 260
-  PROTECTIVE TREE FENCE
-  REMOVE TREE
-  CONSTRUCTION LIMITS - SILT FENCE OR BIO ROLL
-  FLOATING SILT CURTAIN
-  PROPOSED TREE



NOTE:
 1. TREES TO BE REMOVED BY OTHERS. TRAIL CONTRACTOR SHALL CLEAR AND GRUB STUMPS IN THIS SECTION OF TRAIL TO EXTENT OF SILT FENCE/BIO ROLL AS THE CONSTRUCTION LIMIT LINE.
 2. BITUMINOUS PAVEMENT SHALL NOT BE PLACED UNTIL BOARDWALK SYSTEM HAS BEEN FULLY INSTALLED BY BID PACKAGE #2 BOARDWALK CONTRACTOR. ROUGH GRADING AND TRAIL BASE TO BE USED AS CONSTRUCTION ACCESS FOR BID PACKAGE #2 BOARDWALK CONTRACTOR



GENERAL SITE PLAN NOTES:

CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES AND TOPOGRAPHIC CONDITIONS PRIOR TO CONSTRUCTION START. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES OR VARIATIONS FROM THE PLANS. ANY DISCREPANCIES FOUND THAT AFFECT THE WORK SHALL BE REPORTED TO THE OWNER OR OWNER'S REPRESENTATIVE FOR CLARIFICATION PRIOR TO ANY ADDITIONAL WORK BEING COMPLETED.

CONTRACTOR SHALL CONTACT "GOPHER STATE ONE CALL" FOR ALL UTILITY LOCATIONS (651-454-0002) 48 HR. PRIOR TO EXCAVATION/CONSTRUCTION.

CONTRACTOR TO VERIFY HORIZONTAL LOCATION AND ELEVATION WHERE A CONNECTION TO EXISTING PAVEMENT, STRUCTURE OR SITE FEATURE IS TO BE MADE.

CONTRACTOR TO WORK OUT OF TREE DRIP ZONE EXCEPT IN AREAS DESIGNATED BY LANDSCAPE ARCHITECT.

CRITICAL LAYOUT DIMENSIONS. THE OWNER OR OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REVISE THE PROJECT LAYOUT TO AVOID UNFORESEEN CONSTRAINTS SUCH AS MATURE TREES, UNFORESEEN SOIL CONSTRAINTS, ETC. THESE ADJUSTMENTS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. CHANGES IN BID QUANTITIES WILL BE BASED ON A PER UNIT BASIS FOR UNIT BID ITEMS LISTED ON THE BID FORM.

CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING UTILITIES, TREES, SITE AMENITIES, ETC. FROM DAMAGE DURING CONSTRUCTION.

CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY DAMAGE (AT CONTRACTORS EXPENSE), THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LOCATES. LOCATES SHALL BE MARKED IN THE FIELD FOR REVIEW BY THE OWNER OR OWNER'S REPRESENTATIVE.

CONTRACTOR SHALL STAY WITHIN CONSTRUCTION LIMITS UNLESS APPROVED OTHERWISE BY THE OWNER OR OWNERS REPRESENTATIVE. THE WORK ZONE SHALL BE KEPT AS MINIMAL AS POSSIBLE DURING CONSTRUCTION. MOVEMENT AND PARKING OF EQUIPMENT SHALL STAY WITHIN WORK ZONE AND NOT CROSS AREAS OTHERWISE UNDISTURBED DURING EARTHWORK OPERATION.

TREES TO BE REMOVED BY RAMSEY COUNTY PRIOR TO CONSTRUCTION. CLEARING, GRUBBING, AND STUMP REMOVAL IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHOULD BE DISPOSED OF OFF SITE.

N.I.C.= NOT IN CONTRACT - REFER TO BID PACKAGE #2 FOR THE BOARDWALK AND BOARDWALK FOUNDATIONS

ASPHALT ROADWAY, PARKING LOTS AND OTHER ITEMS - LAYOUT NOTES: BITUMINOUS TRAIL, CONCRETE CURBS, AND CONSTRUCTION LIMITS SHALL BE FIELD STAKED BY CONTRACTOR. CONTRACTOR WILL NEED APPROVAL BY RAMSEY COUNTY LANDSCAPE ARCHITECT PRIOR TO COMMENCING CONSTRUCTION. COORDINATE WITH BID PACK #2 CONTRACTOR

SPOT GRADES & DRAINAGE REQUIREMENTS: ALL SPOT ELEVATIONS REPRESENT FINISHED SURFACE GRADE UNLESS OTHERWISE NOTED.

THE CONTRACTOR SHALL REVIEW GRADING WITH THE LA-ENG. PRIOR TO START TO ENSURE PROPER DRAINAGE. THE INTENT OF ALL PROPOSED SPOT GRADES AND GRADING IS TO MATCH EXISTING GRADES ADJACENT TO NEW CONSTRUCTION TO ENSURE PROPER DRAINAGE AND BLENDING OF NEW GRADES WITH EXISTING ONES. MAX. SLOPES SHALL NOT BE GREATER THAN 4:1 UNLESS OTHERWISE NOTED ON THE PLAN.

SUB CUT REQUIREMENTS: GRADES AS SHOWN ARE TO FINISH GRADE. CONTRACTOR SHALL SUB CUT IN ACCORDANCE WITH PAVEMENT SECTIONS.

CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SURVEYING RELATING TO SITE GRADING. THE CONTRACTOR SHALL FIELD VERIFY ALL GRADES WITH THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY OWNER OF ANY DISCREPANCIES OR VARIATION FROM PLAN.

TOPSOIL STRIPPING, STOCKPILING AND RE-SPREADING REQUIREMENTS: TOPSOIL SHALL BE STRIPPED FROM ALL DISTURBED AREAS FROM COMMON EXCAVATION AND SHALL BE SALVAGED AND STOCKPILED. THE LANDSCAPE ARCHITECT SHALL DETERMINE PLACEMENT OF THE STOCKPILE PRIOR TO CONSTRUCTION.

EXISTING TOPSOIL FROM COMMON EXCAVATION SHALL BE SALVAGED AND STOCKPILED IN THE TEMPORARY STORAGE AREA INDICATED ON THE PLANS. SALVAGED TOPSOIL SHALL BE FREE OF CONTAMINANTS & DEBRIS ROOTS, WEEDS AND ROCK OVER 1/2" IN SIZE AND FOREIGN MATERIAL.

CONTRACTOR SHALL STRIP, STOCKPILE & RE-SPREAD SUFFICIENT TOPSOIL TO PROVIDE A MINIMUM 4 INCH DEPTH (COMPACTED) TO ALL DISTURBED AREAS TO BE SEEDED, UNLESS OTHERWISE NOTED. ALL DISTURBED AREAS TO RECEIVE SEED/TURF ESTABLISHMENT AND ADD SOIL AMENDMENTS FOR OPTIMUM PLANT GROWTH. TOPSOIL SHALL BE IN A RELATIVELY DRY STATE WHEN PLACED. FINE GRADE TOPSOIL TO ELIMINATE ROUGH OR LOW SPOTS. MANUALLY SPREAD TOPSOIL CLOSE TO TREES, PLANTS, AND PAVEMENT TO PREVENT DAMAGE.

EXCESS STOCKPILE MATERIAL THAT IS NOT SUITABLE FOR REUSE SHALL BE DISPOSED OFF SITE BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR RESTORING ALL STOCKPILE AREAS AFTER MATERIAL IS REMOVED.

IMPORTED TOPSOIL SHALL BE PLACED IN AREAS WITH INADEQUATE TOPSOIL AS DETERMINED IN THE FIELD BY OWNER'S REPRESENTATIVE. CLEAN TOPSOIL IMPORT SHALL CONFORM TO MNDOT 3877 TYPE A REQUIREMENTS

SILT AND TREE PROTECTIVE FENCE: CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING SILT FENCE PER PLAN PRIOR TO CONSTRUCTION. SILT FENCE LOCATIONS SHALL BE REVIEWED PRIOR TO CONSTRUCTION.

CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL STORM DRAIN INLETS

CONTRACTOR SHALL ERECT AND MAINTAIN PROTECTIVE FENCING FOR EXISTING TREES THAT ARE TO REMAIN AND THAT ARE NEAR THE CONSTRUCTION ZONE. OWNER WILL WALK THE SITE WITH THE CONTRACTOR PRIOR TO ROUGH GRADING TO IDENTIFY TREES TO BE PROTECTED TREE PROTECTION INCLUDING PROTECTIVE FENCING SHALL BE CONSIDERED INCIDENTAL TO THE GRADING WORK AND SHOULD BE INCLUDED IN THE CONTRACTORS BID PRICE FOR THAT WORK REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

SHEET KEY



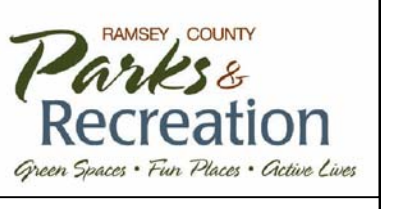
NOTE: Prior to any excavation, the contractor shall verify the location of all underground utilities.

Call 48 hours prior to digging.

GOPHER STATE ONE CALL
 Metro Area: 651-454-8388
 Mtn. Toll Free: 1-800-252-1166



**RAMSEY COUNTY
 PARKS AND RECREATION**
 2015 N. VAN DYKE STREET
 MAPLEWOOD, MN 55109
 TEL: (651) 748-2500
 FAX: (651) 748-2508



Bret Blumer
 Landscape Architect
 651 N. Van Dyke Street
 Maplewood, MN 55109
 brett.blumer@co.ramsey.mn.us
 651.748.2500

CONTACT INFORMATION:
 B. Gus Blumer, Landscape Architect
 651 N. Van Dyke Street
 Maplewood, MN 55109
 brett.blumer@co.ramsey.mn.us
 651.748.2500

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.

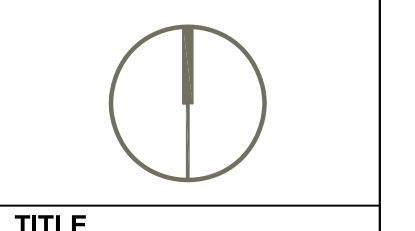
Registration: Landscape Architect
 State: Minnesota
 Number: 42944
 Signature: B. Gus Blumer

Bret Blumer
 NO. DATE: DESCRIPTION:
 1 X/Y/ZZ X DOCUMENTS

DESIGN PHASE:
BID DOCUMENTS

**KELLER LAKE TRAIL PROJECT
 LOWER KELLER TO SPOON LAKE
 BID PACKAGE #1 - BITUMINOUS TRAIL PAVING
 RAMSEY COUNTY PARKS AND RECREATION DEPARTMENT
 KELLER REGIONAL PARK**

DATE: MAY 2013
 DESIGNED BY: BGB
 DRAWN BY: BGB
 CHECKED BY: SAY



TITLE
SITE PLAN


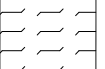
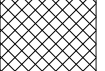





BD 2.3
 SHEET 5 OF 30

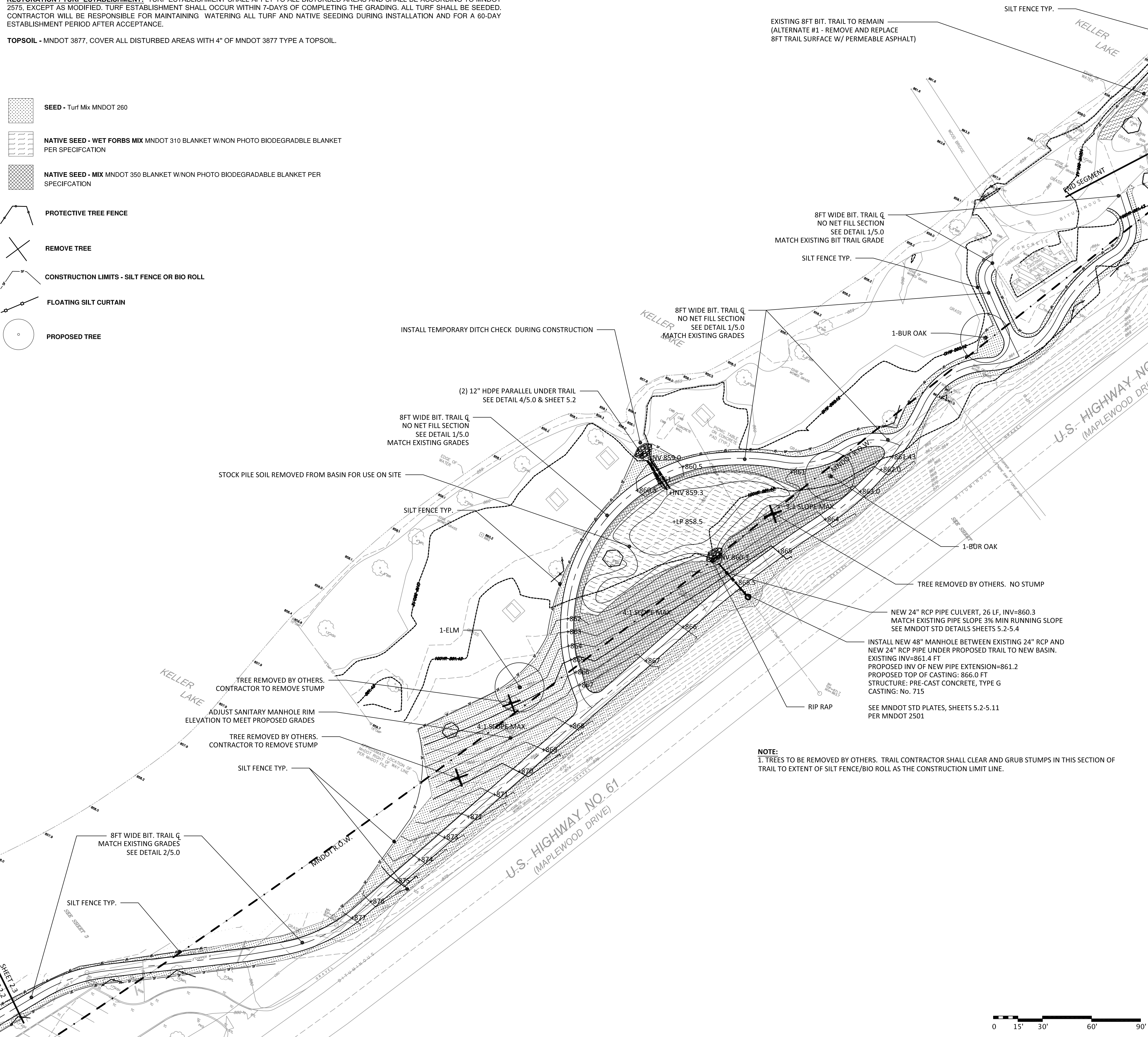
EROSION CONTROL NOTES: ALL EROSION CONTROL DEVICES SHALL BE IN ACCORDING TO MNDOT 2573 AND SHALL BE INSTALLED PRIOR TO START OF CONSTRUCTION. VERIFY ALL LOCATIONS WITH LANDSCAPE ARCHITECT.

SILT FENCE SHALL BE INSTALLED IN AREAS ADJACENT TO AND WITHIN THE CONSTRUCTION AREA (DOWN SLOPE AREAS OF GRADING LIMITS, AND ADJACENT WETLAND EDGES TO CONSTRUCTION AREAS AND OTHER NECESSARY LOCATION FOR EROSION CONTROL) AS DESIGNATED BY THE LANDSCAPE ARCHITECT FOR EROSION CONTROL MEASURES.

RESTORATION / TURF ESTABLISHMENT: TURF ESTABLISHMENT SHALL APPLY TO ALL DISTURBED AREAS AND SHALL BE ACCORDING TO MNDOT 2575, EXCEPT AS MODIFIED. TURF ESTABLISHMENT SHALL OCCUR WITHIN 7-DAYS OF COMPLETING THE GRADING. ALL TURF SHALL BE SEEDED. CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING WATERING ALL TURF AND NATIVE SEEDING DURING INSTALLATION AND FOR A 60-DAY ESTABLISHMENT PERIOD AFTER ACCEPTANCE.

TOPSOIL - MNDOT 3877, COVER ALL DISTURBED AREAS WITH 4" OF MNDOT 3877 TYPE A TOPSOIL.

-  SEED - Turf Mix MNDOT 260
-  NATIVE SEED - WET FORBS MIX MNDOT 310 BLANKET W/NON PHOTO BIODEGRADABLE BLANKET PER SPECIFICATION
-  NATIVE SEED - MIX MNDOT 350 BLANKET W/NON PHOTO BIODEGRADABLE BLANKET PER SPECIFICATION
-  PROTECTIVE TREE FENCE
-  REMOVE TREE
-  CONSTRUCTION LIMITS - SILT FENCE OR BIO ROLL
-  FLOATING SILT CURTAIN
-  PROPOSED TREE



NOTE:
1. TREES TO BE REMOVED BY OTHERS. TRAIL CONTRACTOR SHALL CLEAR AND GRUB STUMPS IN THIS SECTION OF TRAIL TO EXTENT OF SILT FENCE/BIO ROLL AS THE CONSTRUCTION LIMIT LINE.

GENERAL SITE PLAN NOTES:

CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES AND TOPOGRAPHIC CONDITIONS PRIOR TO CONSTRUCTION START. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES OR VARIATIONS FROM THE PLANS. ANY DISCREPANCIES FOUND THAT AFFECT THE WORK SHALL BE REPORTED TO THE OWNER OR OWNER'S REPRESENTATIVE FOR CLARIFICATION PRIOR TO ANY ADDITIONAL WORK BEING COMPLETED.

CONTRACTOR SHALL CONTACT "GOPHER STATE ONE CALL" FOR ALL UTILITY LOCATIONS (651-454-0002) 48 HR. PRIOR TO EXCAVATION/CONSTRUCTION.

CONTRACTOR TO VERIFY HORIZONTAL LOCATION AND ELEVATION WHERE A CONNECTION TO EXISTING PAVEMENT, STRUCTURE OR SITE FEATURE IS TO BE MADE.

CONTRACTOR TO WORK OUT OF TREE DRIP ZONE EXCEPT IN AREAS DESIGNATED BY LANDSCAPE ARCHITECT.

CRITICAL LAYOUT DIMENSIONS. THE OWNER OR OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REVISE THE PROJECT LAYOUT TO AVOID UNFORESEEN CONSTRAINTS SUCH AS MATURE TREES, UNFORESEEN SOIL CONSTRAINTS, ETC. THESE ADJUSTMENTS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. CHANGES IN BID QUANTITIES WILL BE BASED ON A PER UNIT BASIS FOR UNIT BID ITEMS LISTED ON THE BID FORM.

CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING UTILITIES, TREES, SITE AMENITIES, ETC. FROM DAMAGE DURING CONSTRUCTION.

CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY DAMAGE (AT CONTRACTORS EXPENSE). THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LOCATES. LOCATES SHALL BE MARKED IN THE FIELD FOR REVIEW BY THE OWNER OR OWNER'S REPRESENTATIVE.

CONTRACTOR SHALL STAY WITHIN CONSTRUCTION LIMITS UNLESS APPROVED OTHERWISE BY THE OWNER OR OWNERS REPRESENTATIVE. THE WORK ZONE SHALL BE KEPT AS MINIMAL AS POSSIBLE DURING CONSTRUCTION. MOVEMENT AND PARKING OF EQUIPMENT SHALL STAY WITHIN WORK ZONE AND NOT CROSS AREAS OTHERWISE UNDISTURBED DURING EARTHWORK OPERATION.

TREES TO BE REMOVED BY RAMSEY COUNTY PRIOR TO CONSTRUCTION. CLEARING, GRUBBING, AND STUMP REMOVAL IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHOULD BE DISPOSED OFF SITE.

N.I.C.= NOT IN CONTRACT - REFER TO BID PACKAGE #2 FOR THE BOARDWALK AND BOARDWALK FOUNDATIONS

ASPHALT ROADWAY, PARKING LOTS AND OTHER ITEMS - LAYOUT NOTES: BITUMINOUS TRAIL, CONCRETE CURBS, AND CONSTRUCTION LIMITS SHALL BE FIELD STAKED BY CONTRACTOR. CONTRACTOR WILL NEED APPROVAL BY RAMSEY COUNTY LANDSCAPE ARCHITECT PRIOR TO COMMENCING CONSTRUCTION. COORDINATE WITH BID PACK #2 CONTRACTOR

SPOT GRADES & DRAINAGE REQUIREMENTS: ALL SPOT ELEVATIONS REPRESENT FINISHED SURFACE GRADE UNLESS OTHERWISE NOTED.

THE CONTRACTOR SHALL REVIEW GRADING WITH THE LA-ENG. PRIOR TO START TO ENSURE PROPER DRAINAGE. THE INTENT OF ALL PROPOSED SPOT GRADES AND GRADING IS TO MATCH EXISTING GRADES ADJACENT TO NEW CONSTRUCTION TO ENSURE PROPER DRAINAGE AND BLENDING OF NEW GRADES WITH EXISTING ONES. MAX. SLOPES SHALL NOT BE GREATER THAN 4:1 UNLESS OTHERWISE NOTED ON THE PLAN.

SUB CUT REQUIREMENTS: GRADES AS SHOWN ARE TO FINISH GRADE. CONTRACTOR SHALL SUB CUT IN ACCORDANCE WITH PAVEMENT SECTIONS.

CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SURVEYING RELATING TO SITE GRADING. THE CONTRACTOR SHALL FIELD VERIFY ALL GRADES WITH THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY OWNER OF ANY DISCREPANCIES OR VARIATION FROM PLAN.

TOPSOIL STRIPPING, STOCKPILING AND RE-SPREADING REQUIREMENTS: TOPSOIL SHALL BE STRIPPED FROM ALL DISTURBED AREAS FROM COMMON EXCAVATION AND SHALL BE SALVAGED AND STOCKPILED. THE LANDSCAPE ARCHITECT SHALL DETERMINE PLACEMENT OF THE STOCKPILE PRIOR TO CONSTRUCTION.

EXISTING TOPSOIL FROM COMMON EXCAVATION SHALL BE SALVAGED AND STOCKPILED IN THE TEMPORARY STORAGE AREA INDICATED ON THE PLANS. SALVAGED TOPSOIL SHALL BE FREE OF CONTAMINANTS & DEBRIS ROOTS. WEEDS AND ROCK OVER 1/2" IN SIZE AND FOREIGN MATERIAL.

CONTRACTOR SHALL STRIP, STOCKPILE & RE-SPREAD SUFFICIENT TOPSOIL TO PROVIDE A MINIMUM 4 INCH DEPTH (COMPACTED) TO ALL DISTURBED AREAS TO BE SEEDED, UNLESS OTHERWISE NOTED. ALL DISTURBED AREAS TO RECEIVED SEED/TURF ESTABLISHMENT AND ADD SOIL AMENDMENTS FOR OPTIMUM PLANT GROWTH. TOPSOIL SHALL BE IN A RELATIVELY DRY STATE WHEN PLACED. FINE GRADE TOPSOIL TO ELIMINATE ROUGH OR LOW SPOTS. MANUALLY SPREAD TOPSOIL CLOSE TO TREES, PLANTS, AND PAVEMENT TO PREVENT DAMAGE.

EXCESS STOCKPILE MATERIAL THAT IS NOT SUITEABLE FOR REUSE SHALL BE DISPOSED OFF SITE BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR RESTORING ALL STOCKPILE AREAS AFTER MATERIAL IS REMOVED.

IMPORTED TOPSOIL SHALL BE PLACED IN AREAS WITH INADEQUATE TOPSOIL AS DETERMINED IN THE FIELD BY OWNER'S REPRESENTATIVE. CLEAN TOPSOIL IMPORT SHALL CONFORM TO MNDOT 3877 TYPE A REQUIREMENT S

SILT AND TREE PROTECTIVE FENCE: CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING SILT FENCE PER PLAN PRIOR TO CONSTRUCTION. SILT FENCE LOCATIONS SHALL BE REVIEWED PRIOR TO CONSTRUCTION.

CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL STORM DRAIN INLETS

CONTRACTOR SHALL ERECT AND MAINTAIN PROTECTIVE FENCING FOR EXISTING TREES THAT ARE TO REMAIN AND THAT ARE NEAR THE CONSTRUCTION ZONE. OWNER WILL WALK THE SITE WITH THE CONTRACTOR PRIOR TO ROUGH GRADING TO IDENTIFY TREES TO BE PROTECTED TREE PROTECTION INCLUDING PROTECTIVE FENCING SHALL BE CONSIDERED INCIDENTAL TO THE GRADING WORK AND SHOULD BE INCLUDED IN THE CONTRACTORS BID PRICE FOR THAT WORK REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

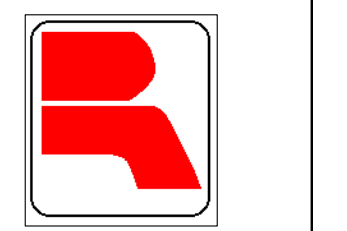
SHEET KEY



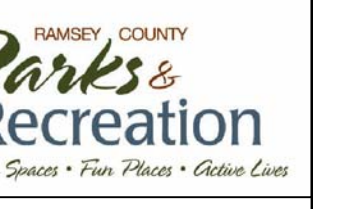
NOTE: Prior to any excavation, the contractor shall verify the location of all underground utilities.

Call 48 hours prior to digging.

GOPHER STATE ONE CALL
Metro Area: 651-454-8388
Mn. Toll Free: 1-800-252-1166

**RAMSEY COUNTY
PARKS AND RECREATION**
2015 N. VAN DYKE STREET
MAPLEWOOD, MN 55109
TEL (651)748-2500
FAX (651)748-2508



**Ramsey County
Parks & Recreation**
Green Spaces • Fun Places • Active Lives

CONTACT INFORMATION:
B. Gus Blumer, Landscape Architect
2015 N. Van Dyke Street
Maplewood, MN 55109
bretl.blumer@co.ramsey.mn.us
651.748.2500

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.

Registration: Landscape Architect
State: Minnesota
Number: 42944
Signature: B. Gus Blumer

Bret Blumer
NO. DATE: DESCRIPTION:
1 X/Y/ZZ X DOCUMENTS

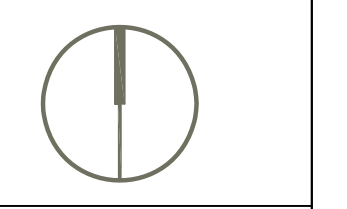
DESIGN PHASE:

BID DOCUMENTS

**KELLER LAKE TRAIL PROJECT
LOWER KELLER TO SPOON LAKE
BID PACKAGE #1 - BITUMINOUS TRAIL PAVING**
RAMSEY COUNTY PARKS AND RECREATION DEPARTMENT
KELLER REGIONAL PARK

DATE: MAY 2013

DESIGNED BY: BGB
DRAWN BY: BGB
CHECKED BY: SAY



TITLE

SITE PLAN

BD 2.4

SHEET 6 OF 30

