



UTILITY COMMISSION AGENDA
Wednesday, June 8, 2016
5:30 p.m.

1. **Meeting Called to Order**
2. **Roll Call**
3. **Consent Agenda**
The following items are considered non-controversial by staff and are recommended to be read and passed in one motion. Any commission member, staff, citizen or meeting attendee can request one or more items be pulled from the consent agenda and the item will be pulled and addressed immediately after the passage of the consent agenda. Otherwise, the following will be passed in one motion:
 - A) Approval of Meeting Minutes from May 4, 2016 (pp. 5 - 25).

Agenda

4. WSB Feasibility Study Proposal for Elder Drive & Glory Road Improvements (pp. 26 – 27).
**Staff recommends the Utilities Commission make a motion to City Council to approve the WSB Feasibility Study Proposal for Elder Drive & Glory Road Improvements in the not to exceed amount of \$7,500.00.*
5. Whipple Beach Recreational Area Pedestrian Crossing Review (pp. 28 – 32).
** Staff recommends the Utilities Commission make a motion to City Council to approve the Oakwood Drive crossing location & layout for the Whipple Beach Recreational Facility Pedestrian Crossing.*
6. 2015 Mill & Overlay Project Monthly Update (pg. 33).
**Information only.*
7. 2015 Mill and Overlay Improvements Project Partial Pay Estimate No. 5 (pp. 34 – 35).
**Staff recommends the Utilities Commission make a motion to City Council to approve the Anderson Brothers Partial Pay Estimate No. 5 in the amount of \$311,216.19 for the 2015 Mill and Overlay Improvements Project.*
8. 2016 Fairview Road Improvements Project Monthly Update (pp. 36 – 37).
**Information only.*

9. 2016 Fairview Road Improvements Project Contract Award Recommendation (pp. 38 – 41).
**The project was awarded by City Council at the June 7th meeting due to project scheduling.*
10. SEH, Inc. Agreement for Professional Services for the 2016 Fairview Road Improvements Construction Services (pp. 42 - 55).
Staff recommends the Utilities Commission make a motion to City Council to approve the SEH, Inc. Agreement for Professional Services for the 2016 Fairview Road Improvements Project for Construction Services in the estimated amount of \$97,106.00.
11. 2016 Chip Seal Project Monthly Update (pg. 56).
**Information only.*
12. 2016 Golf Course Drive Improvements Project Monthly Update (pp. 57 – 59).
**Information only.*
13. 2016 Golf Course Drive Power Point Presentation on the Plans & Specifications (pp. 60 – 75).
**Information only.*
14. 2016 Golf Course Drive Improvements Project Plans & Specifications (Enclosed in packet).
**The project plans and specifications were approved by City Council at the June 7th meeting due to project scheduling. Please note that any Utilities Commission comments will be incorporated into the final plans and specifications before bidding.*
15. 2016 Mill and Overlay, Full Depth Reclamation and Right Turn Lane Construction Project Monthly Update (pg. 76).
**Information only.*
16. 2016 Mill and Overlay, Full Depth Reclamation and Right Turn Lane Construction Project Contract Award Recommendation (pp. 77 – 80).
**Staff recommends the Utilities Commission make a motion to City Council to award the 2016 Mill and Overlay, Full Depth Reclamation and Right Turn Lane Construction Project to Tri-City Paving in the amount of \$806,167.45.*
17. 2015 Dellwood Drive and Novotny Road, Inglewood Drive and Independence Road Improvements Project Monthly Update (pg. 81).
**Information only.*
18. 2015 Dellwood Drive & Novotny Road, Inglewood Drive and Independence Road Improvements Project Partial Pay Estimate No. 6 (pp. 82 – 91).

- *Staff recommends the Utilities Commission make a motion to City Council to approve the R. L. Larson Excavating Partial Pay Estimate No. 6 in the amount of \$118,619.48 for the 2015 Dellwood Drive & Novotny Road, Inglewood Drive and Independence Road Improvements Project.*
19. Lift Station No. 8 Reconstruction Project Monthly Update (pg. 92).
**Information only.*
 20. Water Treatment Plant Polymer Pilot Testing Monthly Update (pg. 93).
**Information only.*
 21. Water Treatment Plant 2017 Trough Replacement Project Installation Schedule (pp. 94 – 96).
**Staff recommends the Utilities Commission make a motion to City Council to direct Progressive Consulting Engineers for a formal design and administration contract for the 2017 Trough Replacement Project at the Water Treatment Plant.
**The Utilities Commission and staff recognize the City's Requests for Proposals Policy; however, staff believes it to be in the best interest of the City to deviate from the schedule and threshold established within this policy due to the complex nature of the Water Treatment Plant. Progressive Consulting Engineers is a specialized firm that deals with water quality issues and was the firm that identified the existing issues at the facility.*
 22. Water Treatment Plant Emergency Generator for 2017 Budgeting Purposes (pp. 97 – 100).
**Staff recommends the Utilities Commission make a motion to City Council to look at incorporating Option (A/B/C) into the 2017 Budget.*
 23. 14639 Grand Oaks Drive Limited Use Agreement (pp. 101 – 106).
**Staff recommends the Utilities Commission make a motion to City Council to approve the 14639 Grand Oaks Drive Limited Use Agreement.*
 24. 13760 Bluestem Court Limited Use Agreement (pp. 107 – 110).
**Staff recommends the Utilities Commission make a motion to City Council to approve the 13760 Bluestem Court Limited Use Agreement.*
 25. Baxter – Water Service Line Responsibility Mailing Notice (pp. 101 – 102).
 26. 25 MS4 Stormwater Facts – SEH, Inc. Article – (pp. 113 – 118).
 27. Wastewater Treatment Plant Charges for April (pp. 119 – 122).
 28. Set Special Utilities Meeting for June 22, 2016 for the HJ Development Projects at 5:30 p.m.
**Staff recommends the Utilities Commission make a motion to set the Special Utilities Meeting for June 22, 2016 for the HJ Development Projects at 5:30 p.m.*

29. Adjourn.

UTILITIES COMMISSION

May 4, 2016

The regular meeting of the Baxter Utilities Commission was called to order at 5:30 p.m. by Chairman Rock Yliniemi.

MEMBERS PRESENT: Commissioners Jack Christofferson, Shawn Crochet, Dave Franzen, Doug Wolf, Council Liaison Mark Cross and Chairman Rock Yliniemi.

MEMBERS ABSENT: None.

STAFF PRESENT: Engineering Technician Doug Schultz and Administrative Assistant Mary Haugen.

OTHERS PRESENT: WSN Consulting Engineer Aric Welch, SEH Consulting Engineer Scott Hedlund, WSB Consulting Engineer Chuck Rickart, Bolton & Menk Consulting Engineer Mike Rardin, HJ Development Representative Chris Moe and Sambatek Project Manager Mike Bultman.

APPROVAL OF MINUTES

MOTION by Commissioner Wolf, seconded by Commissioner Franzen to approve the Utilities Commission minutes of April 6, 2016. Motion carried unanimously.

2016 CHIP SEAL PROJECT MONTHLY UPDATE

Work Completed – First Update

Plans and bid documents were provided to Crow Wing County on March 7, 2016. Crow Wing County advertised the project for bids during March and opened bids on April 6, 2016. The bid abstract was reviewed by Bolton & Menk, Inc. (BMI) and no concerns were noted. The low bidder is the same as last year - Morris Sealcoat & Trucking, Inc. The low bid was within the budget provided by the City for this project.

A pre-construction conference is currently scheduled for Wednesday, May 4, 2016.

Project Schedule and Completion

The project is currently on schedule with no delays anticipated. The following schedule and completion requirements were incorporated into this project:

- Construction operations are not to be started prior to Tuesday, July 5, 2016, except stockpiling of aggregate materials.
- The contractor is to notify the City of their proposed work schedule at least five (5) working days in advance of beginning work.
- All seal coat, fog, and interim pavement marking work required under this Contract is to be completed no later than August 15, 2016 and within ten (10) working days from project initiation.
- All construction operations are to be completed no later than August 26, 2016.

Bolton & Menk Consulting Engineer Rardin informed the commission the pre-construction meeting was held and Morris Sealcoat, who is the same contractor as last year, was informed of the critical timing of the schedule.

2016 CROW WING COUNTY COST SHARE AGREEMENT FOR THE 2016 CITY OF BAXTER CHIP SEAL PROJECT

The commission reviewed the Crow Wing County Cost Share Agreement for the chip seal project. This is the standard agreement used by the County for joint projects it administers.

MOTION by Commissioner Wolf, seconded by Commissioner Franzen to recommend City Council approve the 2016 Crow Wing County Cost Share Agreement for the 2016 City of Baxter Chip Sealing Project in the estimated amount of \$162,650.60. Motion carried unanimously.

CROW WING COUNTY STORMWATER PONDING REQUEST FOR THE CSAH 48 IMPROVEMENT PROJECT

The commission reviewed the stormwater ponding request from Crow Wing County Highway Department for the 2017 CSAH 48 Improvements Project. A rough sketch of where the ponds would be located was provided; the ponds are 4' deep ponds and would discharge into the existing vegetated woods.

The pond on the south side would be constructed on city property; however, the city would need to contact the homeowners association on Rush Lake to see if they would allow a pond to be constructed on the north side. There is an existing conservation easement and that would need to be reviewed to see what it entails and if a pond could be construction on the north side.

The highway department would construct the ponds with their 2017 Mill and Overlay project but the maintenance of the ponds would be the responsibility of the City.

Consensus of the commission was to have staff contact the homeowners association to see if they would consider an easement and construction of a stormwater pond.

MOTION by Commissioner Crochet, seconded by Commissioner Christofferson to recommend City Council approve allowing Crow Wing County to construct a stormwater pond on the south side of Rush Lake on city property. Motion carried unanimously.

WSB TRAFFIC ENGINEERING REVIEW AND ANALYSIS FOR HJ DEVELOPMENT CENTRAL LAKES CROSSING

WSB Consulting Engineer Rickart reviewed the traffic engineering review and analysis for the proposed Central Lakes Crossing Development. One site is located south of TH 210 and west of TH 371 on Elder Drive, just south of Costco. The second site is located south of Glory road and west of TH 371 in the Walmart parking lot.

The proposed sites will be developed with retail and restaurant uses. Site 1 on Elder Drive will include four separate retail uses and Site 2 on Glory Road will include three restaurant sites and one retail site.

Existing traffic characteristics, traffic growth, area trip generation and distribution, traffic volume, and pedestrian system review. The commission had an in-depth discussion on truck traffic in the area and how to minimize any impact to the traffic flow.

Council Liaison Cross inquired if any signage would be required for pedestrian traffic? Mr. Rickart stated that signage could be placed in the City requested but it is not required.

Mr. Rickart reviewed his recommendations and they are listed below:

1. The proposed site access driveway on Elder Drive from development Site 1 should be moved north to approximately half way between Garrison Road and Forthun Road.
2. Provide a continuous center left turn lane on Elder Drive from Forthun Rd to Garrison Rd including a left turn into the proposed Site access driveway.
3. Provide northbound right turn lanes on Elder Drive at Forthun Rd, Garrison Rd and the proposed Site access driveway.
4. Provide an additional 10 feet of right-of-way on Elder Drive adjacent to development Site 1, and; provide a 30 foot by 30 foot site corner in the southeast corner of Elder Drive at Forthun Road and the southwest corner of Forthun Road at Elmwood Drive.
5. Include existing right-of-way and/or easements on development Site 2 plan adjacent to Glory Road and the existing Paul Bunyan Regional Trail.
6. Work with MnDOT to provide improvements at the intersection of TH 371 at Glory Road:
 - a. Short term - Update the traffic signal, including restriping the eastbound Glory Road approach and providing split phasing for the Glory Road approaches. By 2018 or with additional development in the Central Lakes Crossing development area.
 - b. Long term – Widen the eastbound Glory Road approach to provide dual left turn lanes. By 2030 or with future development analysis indicating need for the improvements.
 - c. Long term - Plan for a future dual left turn lane northbound on TH 371 to eastbound Glory Road similar to southbound TH 371. By 2030 or with future development analysis indicating need for the improvements.

7. Provided pedestrian connection improvements:

- a. A stripped pedestrian crossing with ADA compliant pedestrian ramps across Elder Drive to the existing path on the west side of the road.
- b. ADA pedestrian ramps should be provided for crossing both Forthun Road and Garrison Road at the Site access driveways.
- c. A connection to the existing path adjacent to Glory Road from the sidewalk adjacent to the proposed buildings.
- d. A connection from the sidewalk adjacent to the proposed buildings to the parking lot south of the buildings.

MOTION by Commissioner Crochet, seconded by Commissioner Franzen to recommend City Council approve the WSB Traffic Engineering Review and Analysis for HJ Development for Central Lakes Crossing and conclusions/recommendations 1 – 7 as written in the study. Motion carried unanimously.

ELMWOOD ADDITION PRELIMINARY AND FINAL PLAT

The commission reviewed the preliminary and final plat for Elmwood Addition. Engineering Technician Schultz informed the commission several stubs were located by Penny's on the south side of the road and several road cuts were eliminated with the exception of one. This would change the easement layout.

Mr. Schultz inquired if the pedestrian ramp on the north side of Forthun Road to cross to Costco should the north side of the road have a curb cut to connect to the trail. There is currently no connection to this segment as you have to enter the driveway to access the trail. Mr. Rickart stated there should be a curb cut at that location.

A discussion was held regarding truck traffic and the turn radius that will be necessary. There is currently a 60-foot request which is larger than the city requires. HJ Development Representative Chris Moe informed the commission that preliminary studies have been conducted with a 67-foot truck; which is the size most of the retailers use, and there has been no issues with this design at this time.

MOTION by Commissioner Wolf, seconded by Commissioner Christofferson to advise the Planning and Zoning Commission that the Utilities Commission has no concerns with the Elmwood Addition Preliminary & Final Plat contingent on the following:

1. Additional 10-feet of right-of-way on Elder Drive
2. Developers Agreement must be in place before the building permit is issued.
3. Dedicated 30' x 30' site triangle at the intersection of Elder Drive and Forthun Road.
4. Dedicated 30' x 30' site triangle at the intersection of Forthun Road and Elmwood Drive.
5. Dedicated 30' x 30' site triangle at the intersection of Elder Drive and Garrison Road.

6. All water and sanitary sewer easements be dedicated on the plat.
7. Pedestrian ramp connection to the north side of the trail.

Motion carried unanimously.

CENTRAL LAKES CROSSING JUNIOR BOX RETAIL 100-YEAR STORMWATER MANAGEMENT PLAN AND WSN STORMWATER REVIEW LETTER

WSN Consulting Engineer Welch comments for the 100-year stormwater pond were submitted into the record:

We have completed our review of the Preliminary Stormwater Management Plan for Central Lakes Crossing, Junior Box Retail, Baxter, MN dated April 19, 2016. The plan was professionally prepared by Sambatek and we offer the following comments:

The plan was reviewed for compliance with the City of Baxter's stormwater requirements. Stormwater retention on-site is proposed to consist of two smaller above ground infiltration basins and a larger underground infiltration system/basin. The site has a credit of 0.28 acre-ft in the regional stormwater basin located west of Isle Drive. The owner is proposing to retain 2.85 acre-feet of storage of the 3.62 acre-feet of runoff on-site from the 100-year event. The remaining 0.49 (3.62-2.85-0.28) acre-feet of runoff will be collected by the regional pond located west of Isle Drive, which the owner proposes to expand by that amount.

The following items should be clarified and/or addressed:

- Plans for the expansion of the regional pond should be reviewed. A minimum of 0.49 acre- feet of additional storage should be provided.
- The stormwater calculations indicated a curve number of 39 for the above ground infiltration basins which represents a grass cover condition. Infiltration basins should be modeled as a water surface with a curve number of 98, especially when considering a 100-year storm event. However the proposed infiltration basins on this project are relatively small and the difference in curve numbers would have a relatively small impact on the stormwater runoff and retention requirements for the entire site.
- The stormwater calculations indicate runoff discharge from the basins through exfiltration (infiltration during the storm event). The City of Baxter typically does not allow the use of exfiltration and the entire 100-year storm event must be held in the basin prior to infiltration (i.e. frozen ground conditions). The developer would have to provide an additional 1.15 acre-feet of storage on-site or in the expansion of the regional pond.

Sambatek Project Manager Mike Bultman acknowledged receipt of the WSN memo and stormwater management plan will be revised to reflect the three items. Mr. Schultz inquired if the turn lane addition on Elder Drive and Forthun Road would affect the holding capacity of the pond. The regional pond could absorb the extra flow whereas the south pond could not take the additional stormwater volume. Mr. Bultman stated he did not think the north pond would see any

reduction in size; the pond south of Ulta cannot handle the 100-year storm event so they will be expanding the pond west of Isle Drive to compensate.

MOTION by Commissioner Franzen, seconded by Commissioner Crochet to recommend City Council approve the Sambatek Engineering 100-Year Stormwater Management Plan for the Central Lakes Crossing Junior Box Retail Development. Motion carried unanimously.

CENTRAL LAKES CROSSING JUNIOR BOX RETAIL CIVIL PLANS

Engineering Technician Schultz informed the commission a Developers Agreement for the Central Lakes Crossing Junior Box Retail Center will be at the June Utilities Commission Meeting.

CENTRAL LAKES CROSSING 3RD ADDITION PRELIMINARY AND FINAL PLAT

The commission reviewed the preliminary and final plat for Central Lakes Crossing 3rd Addition.

MOTION by Commissioner Franzen, seconded by Commissioner Christofferson to advise the Planning and Zoning Commission that the Utilities Commission has no concerns with the Preliminary & Final Plat contingent on the following:

1. All water and sanitary sewer easements be dedicated on the plat.
2. Developers Agreement must be in place before the building permit is issued.
3. Show all existing trail easements on the plat.

Motion carried unanimously.

CENTRAL LAKES CROSSING MULTI-TENANT 100-YEAR STORMWATER MANAGEMENT PLAN AND WSN STORMWATER REVIEW LETTER

WSN Consulting Engineer Welch comments for the 100-year stormwater pond were submitted into the record:

We have completed our review of the Preliminary Stormwater Management Plan for Central Lakes Crossing, Multi-Tenant Retail, Baxter, MN dated April 19, 2016. The plan was professionally prepared by Sambatek and we offer the following comments:

The Stormwater Management Plan (SWMP) has been reviewed for compliance with the City of Baxter's stormwater ordinance. Stormwater retention on-site is proposed to consist of a wet basin with an infiltration shelf. The wet portion of the pond will lined due to lack of separation from groundwater and to maintain water for aesthetic purposes. The main stormwater retention will be from the infiltration shelf, which is more than adequately sized for the proposed improvements. Due to infiltration basin capacity, the owner is allocating the additional capacity for future development to the south of the proposed lot.

Although the proposed infiltration basin is more than adequately sized and the SWMP meets the City stormwater ordinance, it is recommended that the following be addressed so that the City will have a more accurate stormwater retention volume that the site can allocate for future development to the south of the proposed development.

The following items shall be clarified and/or addressed:

1. Runoff from catchment area 4s should be included in the drainage for the infiltration basin. Area 4s is a part of the parcel and the runoff is collected on site and conveyed through the storm sewer into the proposed infiltration basin.
2. A portion of the proposed improvements (southern half of the south east-west drive isle) is not included in the stormwater calculations for the proposed improvements. This area drains off-site onto the adjacent south parcel. It shall be noted in the SWMP that this area shall be included in the calculations for the development of that site.
3. The stormwater calculations indicate the infiltration basin and wet pond have a curve number of 39 which represents a grass cover condition, infiltration basins and wet ponds should be modeled as a water surface with a curve number of 98, especially when considering a 100-year storm event. The proposed infiltration basin on this project is relatively large and the difference in curve numbers would have relatively large impact on the stormwater runoff for the entire site.
4. The stormwater calculations indicate runoff discharge in the basins through exfiltration (i.e. infiltration during the storm event). It is our understanding that the City of Baxter does not allow this method to be used for above ground infiltration areas.

Mr. Bultman had no concerns with the four items and they would be incorporated into the stormwater plans.

MOTION by Commissioner Wolf, seconded by Commissioner Crochet to recommend City Council approve the Sambatek Engineering 100-Year Stormwater Management Plan for the Central Lakes Crossing Multi-Tenant Retail Development. Motion carried unanimously.

CENTRAL LAKES CROSSING 3RD ADDITION CIVIL PLANS

Engineering Technician Schultz informed the commission that the this site has three restaurants on the site and grease traps will be required for each unit and the sewer line will probably have to be extended to the property line.

Mr. Schultz informed the commission a Developers Agreement for the Central Lakes Crossing 3rd Addition will be at the June Utilities Commission Meeting.

2015 MILL & OVERLAY MONTHLY PROJECT UPDATE

The Contractor has given the following detailed schedule, subject to change:

Week of 05/02/16:

- Monday:
 - Remove pavement and rehabilitate the sanitary sewer manhole at the Glory Road/ Isle Drive intersection.
- Tuesday:

- Paving in the Glory Road/ Isle Drive intersection.
- Reclaiming (i.e. turn to gravel) Edgewood Drive from Clearwater Rd to 550 feet north of Woida Road.
- Wednesday:
 - Paving in the Glory Road/ Isle Drive intersection.
 - Mill off (remove) excess reclaim material, grading, compaction on Edgewood Drive from Clearwater Road to 550 feet north of Woida Road.
- Thursday and Friday:
 - Paving and manhole casting adjustments on Edgewood Drive from Clearwater Road to 550 feet north of Woida Road.
- Week of 05/09/16 and after:
 - Pavement Markings, driveway paving, cleanup, and punch list.

2015 EXCELSIOR ROAD IMPROVEMENTS PROJECT MONTHLY UPDATE

Summary of Work Completed Since Last Update

Construction Start:

- Preconstruction Conference was held on April 23, 2015.
- Notice to Proceed was executed May 29, 2015 - the same day the USACE wetland permit was approved.
- Construction started June 1, 2015.

Construction Progress:

- The project was re-opened to through traffic on Friday, September 25th
- The final remaining punch list item of correcting the steep slope on the north side of the Excelsior Road on the first curve west of Broadmoor Drive was completed March 31, 2016.

Construction Progress Payments to the Contractor:

- Application for Payment No. 8 – Final is planned to be on the May 2016 Utilities Commission and City Council agendas for approval.
- Construction Completion:
- The contract final completion date is November 27, 2015.
- The plan is to close out the Anderson Brothers Construction contract in May 2016.

Project scope changes:

- There are no unapproved scope changes at this time.

Mr. Schultz requested the Cypress Trail be repaired by Anderson Brothers under the warranty period. Mr. Hedlund stated that Anderson Brothers Construction had previously agreed to the repair of the trail.

2015 EXCELSIOR ROAD IMPROVEMENTS PROJECT FINAL PAY ESTIMATE NO. 8

SEH Consulting Engineer Hedlund reviewed Final Pay Estimate No. 8 for the 2015 Excelsior Road Improvements Project with the commission. SEH Consulting Engineer had no concerns with Final Pay Estimate No. 8 and recommends approval.

MOTION by Commissioner Crochet, seconded by Commissioner Christofferson to recommend City Council approve the Anderson Brothers Final Pay Estimate No.8 in the amount of \$23,617.53 for the 2015 Excelsior Road Improvements Project. Motion carried unanimously.

2016 FAIRVIEW ROAD IMPROVEMENTS PROJECT MONTHLY UPDATE AND PROJECT SCHEDULE

Feasibility Report

- A draft feasibility report was prepared and presented to the Utilities Commission on November 4, 2015.
- The draft feasibility report was updated after the Utilities Commission meeting and then presented to the City Council on November 17, 2015.
- A public information meeting was held December 2, 2015, 7:00 PM.
- The final feasibility report was approved by the City Council on January 5, 2016.
- The Improvement Hearing was held February 1, 2016.
- The City Council Ordered the Improvement (road only) on February 2, 2016.

Final Design

The topographic design survey and wetland delineation field work are complete.

- Additional survey was completed to assist with the drainage design.
- Additional survey and coordination was completed to assist the City complete necessary tree clearing adjacent to the Inglewood Drive wetland related to long eared bat avoidance and the pending wetland permit application.

A drainage analysis of the Fairview Road corridor has been completed.

- Infiltration testing is planned to be completed by Braun Intertec on March 28, 2016 to verify in place soils infiltration rates to finalize the gas station pond design.
 1. Multiple sizing options have been evaluated.
 2. The test results could affect easement acquisition needs.

Preliminary private utility design coordination meetings were held September 10 and December 22, 2015.

- A follow-up meeting with Crow Wing Power was held on January 15, 2016.

Design meetings with the gas station owners to discuss stormwater improvements occurred October 30, 2015 and January 11, 2016, with follow-up correspondence in March.

- The property owners are comfortable with the design.

It has been discovered that there have been past petroleum and fuel oil releases reported to the MPCA on the gas station and school properties respectively.

- The releases are being investigated further and construction contingencies planned.

Final construction plans are complete.

The Utilities Commission approved the plans at their March 16, 2016 meeting.

The City Council approved the plans at their April 5, 2016 meeting.

Permits

A wetland permit application for impacts on the north side of Fairview Road just west of Inglewood Drive was submitted to the US Army Corps of Engineers (USACE) on March 4, 2016 and will be on the Crow Wing County TEP agenda on April 5, 2016.

- The TEP approved the permit.
- Approval of the USACE permit is anticipated in June.

The necessary Mn/DOT right of way (ROW) permit has been secured.

Easements

Appraisals and Minimum Damage Acquisition (MDA) documents have been completed to determine the value of permanent and temporary easements needed from 25 parcels for the project.

- An offer letter for the gas station and adjacent commercial property were approved by the City Council on February 16, 2016 and mailed by SEH the next day.
- Offer letters for the remaining 23 parcels were approved by the City Council on March 3, 2016 and mailed by SEH the next day.

Easement agreements from 19 parcels have been secured to date.

Phone or in-person contact has been made with all but 2 parcels.

- A meeting was held with the property owner that spoke during the City Council open forum on March 15, 2016 and the easement has been secured.

Beyond the easements above, 2 additional easements combined with maintenance agreements are being negotiated with the school district to cover the existing storm ponds on the west and southeast sides of Baxter Elementary School property.

- The west pond is planned for cleaning with the 2016 Mill & Overlay Project and the southeast pond is planned to be cleaned with this project.

Bidding

Authorization by the City Council to advertise for bids is planned for April 5, 2016.

Bids are planned to be opened on May 3, 2016.

Assessment Hearing

The assessment hearing is planned for Thursday, June 2, 2016.

Construction

Construction is planned to start somewhere between mid-June and early July with completion by September 1, 2016.

Utility Relocation Work

Centerpoint Energy (gas) relocation/upgrade is planned to start the week of 4/25/16 with sewer service investigations (televising mains), with new pipe installation work starting in May.

2016 GOLF COURSE DRIVE IMPROVEMENTS PROJECT MONTHLY UPDATE

Work Progress – Second Update

At the April 5th City Council meeting, sewer condition and capacity evaluations completed for the City by Bolton & Menk, Inc. (BMI) were reviewed. These evaluations indicated the sewers to be acceptable for their intended purposes. As a result, the Council determined the rerouting of City storm sewers on the Mills Fleet Farm site was not necessary. Council directed staff to inform Mills of the proposed project and their determination regarding this matter. Council felt it necessary to provide Mills the opportunity to consider relocating these sewers at their cost should they wish to do so. Staff provided notice of this to Mills on April 7th and requested a response with two weeks. In addition, Council directed BMI to continue project and plan development without storm sewer rerouting as a part of the City project.

Widseth Smith Nolting & Associates, Inc. (WSN), Mills engineering consultant, and Mills representatives met with City and BMI staff on Friday, April 15th, to discuss storm sewer rerouting. Sewer inspection and sewer capacity study documents were provided to WSN after the meeting. At that meeting, Mills was given until April 29th to inform the City if they wished to relocate the City storm sewers from their site.

At the April 19th Council meeting BMI presented a Supplement to the 2015 WSN Feasibility Report for this proposed project. The Council accepted the Supplement and ordered an Improvement Hearing to be held on May 5th. The Public Information Meeting, normally provided for proposed projects, was determined to be unnecessary by Council due to compression of the project schedule. The following are highlights from the BMI Supplement:

1. The south project termini was moved to the south side of Excelsior Road.
2. The north project termini was moved to the south side of Woida Road.
3. Storm sewer replacement as originally proposed has been verified.
4. Curb and gutter replacement has been determined and it increased from 770 feet to 2,681 feet at an estimated cost increase of \$9,555.
5. Pedestrian crossings at the north end of the project have been evaluated with removal of the south crossing being recommended.
6. Total project costs increased from an estimated \$1,305, 535 to \$1,369,084
7. City costs increased from an estimated \$391,161 to \$415,044
8. Total assessments increased from an estimated \$914,193 to \$954,040

Publication of the hearing along with the mailing of notices was completed on Thursday, April 21st.

Project Schedule

The project has been delayed approximately four (4) weeks due to considering the possible relocation of the storm sewers on the Mill’s site. However, the project is still on schedule for 2016 construction. A complete detailed schedule was included as a part of the Supplement to the Feasibility Report. The following is a summary of major activities proposed to move this project forward:

Improvement Hearing	Thursday, May 5
Order Project and Preparation of Final Plans and Specifications	Tuesday, May 17
Approve Plans and Authorize Advertisement for Bid	Tuesday, June 7

Order Assessment Hearing	Tuesday, June 7
Advertise for Bids	Friday, June 10
Bid Opening	Tuesday, July 5
Assessment Hearing	Thursday, July 7
Adopt Assessment Rolls	Tuesday, July 19
Award Contract (contingent on no objections to sp assessments)	Tuesday, July 19

Completion Dates

The revised schedule attached allows for project completion during the first half of October. Further delays to the project will likely cause construction to be delayed to 2017. It is estimated that it will take approximately six (6) weeks time to construct this project.

Easements

No easements or right of way acquisition are anticipated for this project as it is currently proposed.

Costs

The City should be aware that the work associated with the possible sewer relocations has resulted in extra work and costs. The City Council was apprised of the estimated costs for this extra work, the sewer inspection costs, and the sewer capacity analysis costs at their meeting on March 3rd. An amendment to the agreement based on those discussions will be provided for approval in the near future.

Other work on the project will continue as agreed to according to the existing “Not to Exceed” contract.

2016 MILL & OVERLAY, FULL DEPTH RECLAMATION AND RIGHT TURN LANE CONSTRUCTION PROJECT MONTHLY UPDATE, PROJECT SCHEDULE AND MEMO

Summary of Work Completed Since Last Update

Braun completed the pavement coring study and submitted the final Pavement Evaluation Report on March 29, 2016.

The Feasibility Report was completed and accepted by the City Council on Tuesday, April 5, 2016.

The Improvement Hearing was held on Monday, April 18, 2016.

The City Council passed resolutions ordering the improvement and approving the plans and specifications on Tuesday, April 19, 2016.

The project is currently being advertised in the Brainerd Dispatch and QuestCDN.

Project Schedule

The project is on schedule. The bid opening will be held on Tuesday, May 17, 2016. The Council could award the project as soon as Tuesday, June 7, 2016.

2015 DELLWOOD DRIVE & NOVOTNY ROAD, INGLEWOOD DRIVE AND INDEPENDENCE ROAD IMPROVEMENTS PROJECT MONTHLY UPDATE

Work Completed Since Last Update

A project kick off meeting and walkthrough of Dellwood Drive and Novotny Road was completed on Wednesday, April 12, 2016. Representatives from the City, WSN, RL Larson and Crow Wing County Highway Department were present. Items discussed included coordination with the County project and punch list review. A copy of the updated punch list is attached for your review.

The Contractor has been working on punch list items as weather allows. A meeting between the City, WSN, RL Larson and Tri City Paving was held on Tuesday, April 19, 2016 to discuss miscellaneous paving and warranty issues on Inglewood Drive.

Project Schedule

The Contractor will continue to work on punch list items and miscellaneous cleanup. Tri City will likely pave Dellwood Drive and complete warranty repair work after the miscellaneous concrete repairs are complete in mid-May.

Completion Dates

Per Change Order No. 2 Agreement, the revised substantial completion date is May 26, 2016 with a final completion date of June 9, 2016.

Easements

Two roadway easements remain to be signed (Tanner and Wicklund). A sketch and description to vacate a portion of the unused Dellwood Drive right-of-way adjacent to the Tanner property has been prepared and was forwarded to the City Attorney for review and preparation of the final documents.

Hilltop Trailer Sales easement is still being held up by the bank financing the property.

Engineering

A letter requesting additional engineering fees has been submitted to address changes in project scope. As we move forward with the project, we will continue to monitor the engineering budget and track costs associated with warranty items or other work that was not addressed in prior contracts.

WSN AGREEMENT FOR PROFESSIONAL SERVICES FOR THE 2015 DELLWOOD DRIVE & NOVOTNY ROAD, INGLEWOOD DRIVE AND INDEPENDENCE ROAD IMPROVEMENTS PROJECT MEMO AND FEE AMENDMENT REQUEST

2015 Independence Road Improvements

WSN Consulting Engineer Welch reviewed the 2015 Independence Road Improvements Project fee amendment request for roadway re-design. Additional work was required to address roadway profile revisions requested by City staff. The requested change required re-design of the cul-de-sac and additional calculations for quantity determination and construction staking purposes. The revision required 12 hours of additional work.

MOTION by Commissioner Wolf, seconded by Commissioner Franzen to recommend City Council approve the WSN Agreement for Professional Services Fee Amendment for 2015 Independence Road Improvements Project in the amount of \$994.00. Motion carried unanimously.

2015 Inglewood Drive Improvements

WSN Consulting Engineer Welch reviewed the 2015 Inglewood Drive Improvements Project fee amendment request for the following items:

Watermain Lowering

Requested Fee Amendment: \$880.00

The existing watermain crossing at the south end of Inglewood Drive was found to be shallow and in conflict with the proposed storm sewer. MnDOH requires an 18” vertical separation between the storm sewer and watermain. To achieve the required separation it was necessary to lower the watermain. In discussing the issue with City staff, it was determined the entire length of watermain under the roadway surface should be lowered/replaced because the existing pipe was CL 200 thin walled pipe. WSN provided additional construction observation services and updated the record drawings to reflect the change. This resulted in 9.5 hours of additional work.

Forcemain Extension

Requested Fee Amendment: \$1,063.00

The Lift Station 3 forcemain realignment was originally scheduled to be completed as part of the Lift Station 3 Re-Route project. A portion of the work included installation of a new forcemain across Fairview Road and Madeline Drive. Since the forcemain re-route project was delayed, City staff requested the forcemain be installed with this project. Additional work included design coordination with Bolton Menk, construction observation and record drawing preparation. The forcemain extension resulted in 10.5 hours of additional work.

Temporary Construction Easement

Requested Fee Amendment: \$278.00

An additional temporary construction easement was required to work on private property. The original plan included the removal of a concrete basketball court that was originally going to be sawed off and removed to the right-of-way line. After meeting with the property owner, it was determined the City would remove the entire court as part of the project. Additional work included preparing the easement sketch and description and obtaining the necessary signatures. The easement required 2.5 hours of additional work.

North Stormwater Pond Revision

Requested Fee Amendment: \$2,078.00

The north stormwater basin was revised during construction to include a 10' wide trail/access road along the south side of the basin per City staff request. Additional work included revising the pond grading, adding the 10' wide bituminous trail, revising the stormwater pond outlet and adding a pedestrian curb ramp at Inglewood Drive. The revisions required 21 hours of additional work as documented on the attached spreadsheet.

Roadway Profile Revision Requested Fee Amendment: \$573.00

During construction, the Inglewood Drive roadway profile was adjusted through the vertical curve located just south of Cherrywood Drive at the request of City staff. The revision required 6 hours of additional work.

Culvert Extension and Easement Requested Fee Amendment: \$673.00

The centerline culvert under Inglewood Drive was extended farther to the east to better fit the flattened inslope as requested by the property owner and City staff. Additional work included construction observation and easement preparation. The culvert extension required 6.5 hours of additional work.

MOTION by Commissioner Wolf, seconded by Commissioner Franzen to recommend City Council approve the WSN Agreement for Professional Services Fee Amendment for 2015 Inglewood Drive Improvements Project in the amount of \$5,545.00. Motion carried unanimously.

2015 Dellwood Drive and Novotny Road Improvements

WSN Consulting Engineer Welch reviewed the 2015 Dellwood Drive and Novotny Road Improvements Project fee amendment request for the following items:

Additional Sanitary Sewer and Water Services Requested Fee Amendment: \$1,058.00

During construction, six sanitary sewer and water services were added to the project at the request of property owners. The work required additional construction observation and record drawing efforts. The additional services resulted in 12 hours of additional work.

Fire Protection Line to Hilltop Trailer Sales Requested Fee Amendment: \$400.00

During construction, a fire protection water line was added at the request of Hilltop Trailer Sales. The work required additional construction observation and record drawing efforts. The fire protection line required 4.5 hours of additional work.

Dellwood Drive Bypass Lane Requested Fee Amendment: \$2,144.00

The addition of the bypass lane required re-design of the Dellwood Drive roadway profile and storm sewer system. At the request of the County, the entire centerline roadway profile was adjusted to direct as much stormwater as possible to the south, limiting the amount of stormwater

runoff to the north through the bypass lane. Additional work included revision of the centerline roadway profile from Whispering Woods Lane to Novotny Road, storm sewer adjustments and pipe resizing. The revisions required 22 hours of additional work to complete.

Audubon Way Watermain Extension Requested Fee Amendment: \$8,667.00

The Contractor experienced problems with trying to pressure test the directional drilled watermain between Novotny Road and Audubon Way. The pipe failed initial pressure tests which resulted in the Contractor attempting to isolate and locate a leak in the system. The Contractor spent considerable time digging up connections in hope of finding a leak in one of the watermain fittings. After no leak was found the Contractor installed a valve half way along the pipe and tested both ends. The leak was determined to be located between Hilltop Trailer Sales and Audubon Way. The Contractor hired a leak detection service to locate the leak but they were unsuccessful. The Contractor then hired a company to televise the pipe. Televising was also unsuccessful in locating the leak and the Contractor suspended efforts for the winter.

Early this spring the Contractor made a second attempt at televising the pipe. The second televising was successful and the leak was found under the wetland. After the leak was detected, WSN began the process of permitting the necessary repair efforts. A no net loss permit application was prepared and secured for the repair. The Contractor repaired the service and completed the necessary pressure and bacteria testing.

During this process, WSN expended considerable effort monitoring the Contractor's testing and exploratory efforts. WSN also completed additional work associated with wetland permitting and record drawing preparation. The total amount of additional time was 90 hours. Please note this does not include construction observation of the original installation of the directional drilled pipe which was included in the original not to exceed contract.

The commission held an extensive discussion on the Audubon Way water main leak. Consensus of the commission was to have staff consult City Attorney Person regarding the \$8,867.00 to see if any of this cost can be recovered.

MOTION by Commissioner Wolf, seconded by Commissioner Crochet to recommend City Council approve the WSN Agreement for Professional Services Fee Amendment for the 2015 Dellwood Drive and Novotny Road Improvements Project in the amount of \$12,269.00 and direct City Attorney to review the contract between the City and Contractor for possible collection of some or all of the \$8,557.00 engineering fees associated with the Audubon Way water main repairs. Motion carried unanimously.

2015 DELLWOOD DRIVE & NOVOTNY ROAD, INGLEWOOD DRIVE AND INDEPENDENCE ROAD IMPROVEMENTS PROJECT CHANGE ORDER NO. 3

WSN Consulting Engineer Welch reviewed Change Order No. 3 for the 2015 Dellwood Drive & Novotny Road, Inglewood Drive and Independence Road Improvements Project. The items relating to Change Order No. 3 are listed below:

Independence Rd Additional Grading **Requested Change in Contract Price:**
\$12,790.00

The Contractor is requesting a total of \$12,790.00 based on equipment time for the additional grading work on Independence Road. The additional grading work was directed by the Engineer following a request from City staff to change the roadway profile after the initial roadway grading work had been completed in accordance with the original plan.

The extra grading resulted in 1,135 CY of additional common excavation. The Contractor was paid for the additional common excavation on Pay Estimate 2 and 3 based at the unit bid price of \$10.00/CY or \$11,350.00. The difference between the contractor requested amount and the amount paid to date is \$1,440.00. Our notes indicate the Contractor was nearly complete with the roadway grading work then the change was requested. It is our determinate the Contractor did complete additional grading work because they had to prepare the site for final grading twice.

Engineer’s Recommendation **Change in Contract Price:** **\$1,440.00**

Inglewood Drive Additional Grading **Requested Change in Contract Price:**
\$8,280.00

The Contractor is requesting a total of \$8,280.00 based on equipment time for additional grading work on Inglewood Drive. The additional grading work was directed by the Engineer and City staff to create flatter slopes into the residential yards along the east side of Inglewood Drive. The plan called for a 3:1 slope in this area which is the minimum slope meeting State Aid standards. Residents and City staff were concerned with the ability to maintain/mow the 3:1 slope and requested a flatter 4:1 slope which is more typical of a residential ditch area.

The extra grading resulted in an estimated 320 CY of additional common borrow which has been added to the IRA and will be paid on the next pay estimate at the unit bid price of \$9.40/CY. This will result in a payment to the Contractor of \$3,008.00. The difference between the contractor requested amount and the amount paid with unit bid pricing is \$5,272.00. Our notes indicate the work was completed after the curb & gutter was in place. This resulted in the Contractor completing the work behind the curb with a skid steer and three laborers which resulted in increased costs.

Engineer’s Recommendation **Change in Contract Price:** **\$5,272.00**

Work Around 6” Gas Main **Requested Change in Contract Price:**
\$1,350.00

The Contractor is requesting a total of \$1,350.00 based on crew time for additional work required to lower a 6” gas main crossing at Fairview Road which was necessary to install the storm sewer along Inglewood Drive.

Weekly meeting minutes indicate CenterPoint Energy could not schedule relocation of the gas main prior to October due to work load issues. This forced RL Larson to lower the existing gas

line in order to continue working on the storm sewer installation. It is our recommendation the work was necessary to keep the project moving forward on schedule.

Engineer's Recommendation **Change in Contract Price: \$1,350.00**

Inglewood Watermain Lowering **Requested Change in Contract Price: \$12,958.38**

The Contractor is requesting a total of \$12,958.38 for the watermain lowering on Inglewood Drive. The existing watermain crossing at the south end of Inglewood Drive was found to be shallow and in conflict with the proposed storm sewer. MnDOH requires an 18" vertical separation between the storm sewer and watermain. To achieve the required separation it was necessary to lower the watermain. In discussing the issue with City staff it was determined the entire length of watermain under the roadway surface should be lowered/replaced because the existing pipe is CL 200 thin walled pipe.

Our records confirm the amount of time claimed by the Contractor to complete the work. Costs include labor, equipment, materials and dewatering. A substantial portion of the cost was dewatering at \$5,000. It is our determination the Contractor's itemized costs are appropriate for the amount of work complete.

Engineer's Recommendation **Change in Contract Price: \$12,958.38**

Fairview Road Forcemain **Requested Change in Contract Price: \$9,753.87**

The Contractor is requesting a total of \$9,753.87 for the forcemain extension across Fairview Road. The lift station forcemain realignment work was originally scheduled to be completed prior to this project. A portion of the work included installing a new forcemain across Fairview Road and Madeline Drive. Since the forcemain re-route project was been delayed, City staff requested the forcemain be installed with this project. Additional work was undertaken including cutting in a wye and gate valve into the existing line and installing a gate valve and extending the forcemain approximately 20' south of Fairview Road.

Our records confirm the amount of time claimed by the Contractor to complete the work. Costs include labor, equipment and materials. It is our determination the Contractor's itemized costs are appropriate for the amount of work complete.

Engineer's Recommendation **Change in Contract Price: \$9,753.87**

Based on our review of the Contractor submittals and available construction records and documentation, we have determined the Contractor is eligible to receive a change in contract price of \$30,774.25.

MOTION by Commissioner Franzen, seconded by Commissioner Christofferson to recommend City Council approve the R. L. Larson Excavating Change Order No. 3 in the increased amount of \$30,774.25 for the 2015 Dellwood Drive & Novotny Road, Inglewood Drive and Independence Road Improvements Project. Motion carried unanimously.

2015 DELLWOOD DRIVE & NOVOTNY ROAD, INGLEWOOD DRIVE AND INDEPENDENCE ROAD IMPROVEMENTS PROJECT PARTIAL PAY ESTIMATE NO. 5

WSN Consulting Engineer Welch reviewed Partial Pay Estimate No. 5 for the 2015 Dellwood Drive, Novotny Road, Inglewood Drive and Independence Road Improvements Project with the commission. WSN Consulting Engineer Welch had no concerns with Partial Pay Estimate No. 5 and recommends approval.

MOTION by Commissioner Franzen, seconded by Commissioner Christofferson to recommend City Council approve the R. L. Larson Excavating Partial Pay Estimate No. 5 in the amount of \$63,480.63 for the 2015 Dellwood Drive & Novotny Road, Inglewood Drive and Independence Road Improvements Project. Motion carried unanimously.

ISLE DRIVE OFFICE PARK 100-YEAR STORMWATER MANAGEMENT PLAN

WSN Consulting Engineer Welch reviewed the revised Isle Drive Office Park stormwater management plan.

MOTION by Commissioner Crochet, seconded by Commissioner Wolf to recommend City Council approve the updated Isle Drive Office Park 100-Year Stormwater Management Plan. Motion carried unanimously.

LIFT STATION NO. 8 RECONSTRUCTION PROJECT MIONTHLY UPDATE

Summary of Work Completed Since Last Update

The Council awarded the project to DeChantal Excavating, Inc. on Tuesday, April 19, 2016. The Notice of Award was issued on Wednesday, April 20, 2016 and contract documents were sent to DeChantal Excavating, Inc. for review and signature.

Project Schedule

The Contractor has 15 days to return the signed contract documents and provide the necessary bonds and insurance certificate. WSN anticipates the contract documents will be signed and the Notice to Proceed will be issued the Week of May 2, 2016.

WSN will be discussing project schedule with Al DeChantal after the Notice to Proceed is issued. The Substantial Completion date for this project is August 12, 2016. WSN will request the work on Lift Station No. 8 be completed prior to the start of the 2016 Mill and Overlay Project to avoid marring the new roadway surface and anticipate the work will be completed in June or July.

WATER TREATMENT PLANT POLYMER PILOT TESTING MONTHLY REPORT

Polymer Study Progress Report

Polymer feed starting date

- Wednesday, April 20, 2016.

Polymer Feed Rate

- 0.25 ppm at about 1,500 gpm flow
- About 1.5 mL/min

Observations

- In the detention tank, small particles were present throughout water when looking down the tank with a flash light.
- At the filter inlet trough, the operators could see an improved clarity.

Filter Run

- Filter run time was extended by 3 hours with 0.25 ppm of polymer application

Next Step

On Monday, May 2, 2016, the polymer dosage will be increased to 0.5 ppm and the following data will be collected:

- Filter run time & headloss
- Turbidity of the detention basin effluent
- Sludge level in the detention basin
- The feed rate will be increased to 0.75 ppm if necessary after testing the 0.5 ppm feed rate. Bench scale tests showed that 0.75 ppm produced the best results.

MINNESOTA AVERAGE WATER COST PER GALLON

The average cost of water per gallon in Minnesota was submitted to the commission as information only.

FUTURE COUNTY HIGHWAY PROJECTS

The Crow Wing County future highway projects was submitted to the commission as information only.

LOCAL OPTION TRANSPORTATION FUNDING SOURCES FOR MINNESOTA COUNTIES

The local option transportation funding sources for Minnesota counties was submitted to the commission as information only.

2015 CONSUMER CONFIDENCE REPORT

The 2015 Consumer Confidence Report was submitted to the Commission as information only. The report is available to the public on the City's website and a copy has been sent to the Minnesota Department of Health.

ADJOURNMENT

MOTION by Commissioner Crochet, seconded by Commissioner Christofferson to adjourn the meeting at 7:30 p.m. Motion carried unanimously.

Approved by:

Rock Yliniemi
Chairman

Submitted by,

Mary Haugen
Administrative Assistant



May 19, 2016

Mr. Trevor Walter, PE
Public Works Director/City Engineer
City of Baxter
13190 Memorywood Drive
Baxter, MN 56425

Re: Feasibility Study Proposal
Elder Drive and Glory Road Improvements

Dear Mr. Walter:

WSB & Associates, Inc. (WSB) is pleased to submit this proposal to prepare the Feasibility Study for the proposed improvements on Elder Drive from Forthun Road to Garrison Road, and Glory Road at the intersection of TH 371.

As part of the Traffic Engineering Review for the HJ Development project, proposed improvements were recommended for Elder Drive and Glory Road to accommodate existing and future traffic conditions. The proposed recommended improvements include:

1. Restripe the Elder Drive from Forthun Road to Garrison Road with a continuous center left turn lane.
2. Construction of right turn lanes at Forthun Road, Garrison Road and the proposed development site entrance.
3. Short term improvement for restriping the eastbound Glory Road approach to TH 371 and converting the traffic signal to split phasing.

Based on our understanding we have developed a Scope of Work and Cost Estimate to complete this project. Listed below are the proposed major elements of each work task.

Scope of Work

Task 1 – Data Collection: Available data will be collected from the City and Developer including but not limited to: survey data; as built roadway and utility plans, and; development site plans in electronic format. In addition this task will include conducting a Gopher One design utility locate and site visit to document existing conditions and private utility locations.

Task 2 – Concept Plan Development: Preliminary concept plans will be prepared for the proposed improvements on both Elder Drive and Glory Road. Both a roadway (street, striping and traffic control) and utility relocation plan will be prepared. The plans will be prepared to State Aid design standards in sufficient detail to determine estimated costs and feasibility of the projects.

Mr. Trevor Walter
May 19, 2016
Page 2

Task 3 – Cost Estimate: A detailed cost estimate will be prepared based on the preliminary concept plans. The costs will be developed for both improvement projects and split by potential funding sources (i.e. City and/or assessments)

Task 4 – Assessment Calculations/Funding: Assessment calculations will be prepared for the identified benefiting properties adjacent to both projects (Elder Drive and Glory Road). In addition, potential funding for the project will be identified.

Task 5 – Meetings/Coordination: It is anticipated that up to four meetings will be held: one coordination meeting with City staff; one coordination meeting with MnDOT; one Utility Commission meeting, and; one City Council meeting.

Cost

Based on the above scope of work the estimated cost for each task is outlined below.

Task 1 – Data Collection	\$1,250
Task 2 – Concept Plan Development	\$3,750
Task 3 – Cost Estimate	\$850
Task 4 – Assessment Calculations/Funding	\$650
Task 5 – Meetings /Coordination	\$1,000
<hr/> Total Project Cost	<hr/> \$7,500

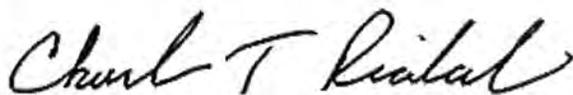
WSB & Associates, Inc. will bill the City of Baxter for the actual hours worked at each employee classification times the current WSB hourly rates for that employee classification up to the maximum of \$7,500.

If the above proposed Scope of Work and the associated fee appear to be appropriate, please sign a copy of the proposal and return to me at your earliest convenience. We will proceed immediately upon receipt of the signed contract.

Once again, we appreciate the opportunity to assist the City of Baxter in the completion of this project. If you have any questions regarding our proposal, please contact me at 612-360-1283.

Sincerely,

WSB & Associates, Inc.



Charles T. Rickart, PE, PTOE
Project Manager/Principal

CITY OF BAXTER

Authorized Signature

Its

Date



Memorandum

To: Trevor Walter, PE, Public Works Director / City Engineer
City of Baxter, Minnesota

From: Chuck Rickart, PE, PTOE, Transportation Engineer
WSB & Associates, Inc.

Date: May 6, 2016

Re: Whipple Beach Recreational Area Pedestrian Crossing Review
City of Baxter, MN
WSB Project No: 2037-03

As requested we have reviewed the pedestrian accommodations near the Whipple Beach Recreational Area adjacent to Oakwood Drive and Clearwater Road. The primary purpose of this review is to determine the appropriate location of a connection and trail to the Whipple Beach Park including a crossing of Clearwater Road and/or Oakwood Drive.

Whipple Beach Recreational Area is designated as a Community Park in the City's Park Plan. Currently a trail is located on the north side of Clearwater Road crossing Welton Road into the east side of the park. A trail and sidewalk system is provided through the park where it currently ends. There is not a connection from the park to the south on Oakwood Drive or adjacent to Clearwater Road/Oakwood Drive south of Welton Road.

The City of Baxter is committed to providing a comprehensive and coordinated series of trails that provide transportation as well as recreational value. In general a trail network should follow the following guidelines:

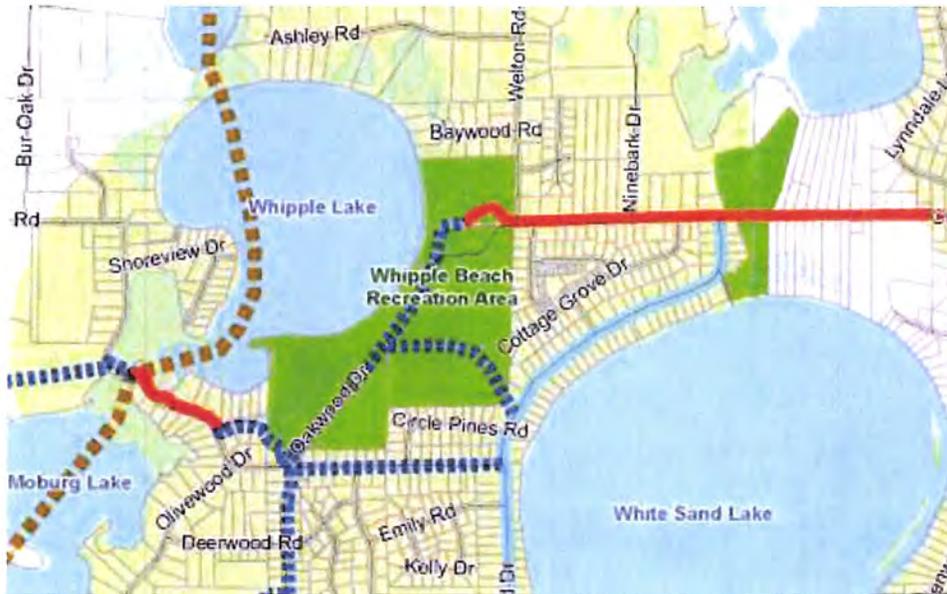
- City Trails should be connected with State and Regional trails where possible.
- City trails should be continuous with other trail systems in the City.
- Trails should connect recreation and amenity areas with areas of potentially higher pedestrian and bicycle traffic volumes.

The Transportation Section of the City's current (2015) Comprehensive Plan further identifies the importance of the trail system with the following statement.

"Bike lanes and trails are becoming an integral part of the transportation system and not just a recreational tool. The goal is to provide safe, efficient connections to important destinations and neighborhoods through an integrated system. Not only are trails functional from a transportation standpoint, but they contribute to an active lifestyle and healthier communities. Baxter currently has an infrastructure system of trails and bike lanes throughout the city. The vast majority of trails are located in roadway right-of-way or parallel to the street. In future planning, advocating for off-road trail systems or pedestrian paths that are parallel to the street will enhance the community. These types of trails are used more extensively and can be less expensive to build and maintain, as they require less material than an on road bike lane"

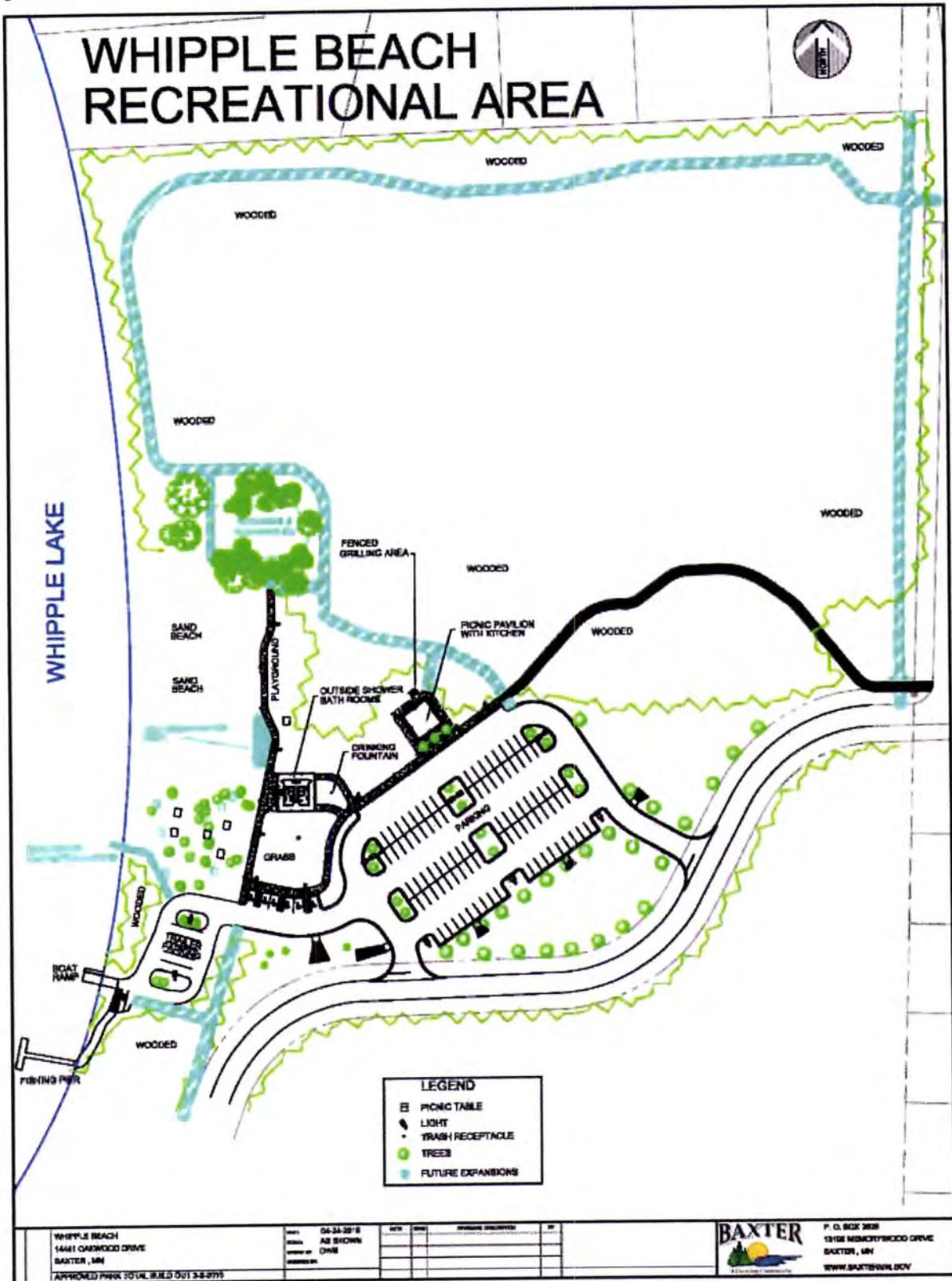
Whipple Beach Recreational Area Pedestrian Crossing Review
 May 6, 2016
 Page 2 of 4

The City’s Comprehensive Plan identifies a future Bike/Pedestrian Trail adjacent to Oakwood Drive south through the Whipple Beach Recreational Area. A section of the “*Future and Existing Parks and Trails System*” map from the Comprehensive Plan is shown below.



The City’s Comprehensive Plan further discusses recommended improvements to the Whipple Beach Recreational Area including a proposed connection to Oakwood Drive in the Implementation Table shown below and the Figure on the following page.

DESCRIPTION	TIMING	Short	Mid	Long	Ongoing
Existing Park Improvements					
3. Loren Thompson	ice skating trail				Blue
	Evaluate Pavilion - Determine if structure should be repaired or replaced (safety)		Orange		
	Evaluate Park and Kitchen Accessibility Study to determine what improvements are needed	Red			
	Park and Kitchen Accessibility - Complete Accessibility Improvements	Red			
4. Whipple Beach	ADA observation area (Budgeted 2015)	Red			
	Accessible playground (if needed)				Blue
	Zero entry ADA water access		Orange		
	Trail - Construct trail connection from pavilion to the playground	Red			
	Trail - Construct perimeter trail around the park		Orange		
	Parking Lot Expansion				
	Upgrade Parking Lot Lights to LED	Red			
	Reevaluate disc golf plans		Orange		
6. Overview	Build out 2015				
7. Southdale	Currently built out				
	Evaluate Park Accessibility - Study to determine what improvements are needed				Blue
8. Berrywood	Land Acquisition for Pavilion/Park Buffer				Blue
	Evaluate Park Accessibility - Study to determine what improvements are needed				Blue



Typically marked pedestrian crosswalks may be used to delineate preferred pedestrian paths across roadways under the following conditions:

- At locations with stop signs or traffic signals to direct pedestrians to crossing locations and prevent vehicular traffic from blocking the pedestrian path when stopping.
- At locations in designated school zones. Use of adult crossing guards, school signs and markings, and/or traffic signals with pedestrian signals (when warranted) should be considered in conjunction with the marked crosswalk, as needed.
- At locations where engineering judgment dictates that the number of motor vehicle lanes, pedestrian exposure, average daily traffic (ADT), posted speed limit, and geometry of the location would make the use of specially designated crosswalks desirable for traffic/pedestrian safety and mobility.

Marked crosswalks alone (i.e., without traffic-calming treatments, traffic signals and pedestrian signals when warranted, or other substantial crossing improvement) are insufficient and should not be used under the following conditions:

- Where the speed limit exceeds 40 mph.
- On a roadway with four or more lanes without a raised median or crossing island that has (or will soon have) an ADT of 12,000 or greater.
- On a roadway with four or more lanes with a raised median or crossing island that has (or soon will have) an ADT of 15,000 or greater.

In order to truly accomplish the goals outlined in the City's Comprehensive Plan, alternatives should be considered to ensure that pedestrian facilities are located and constructed with the purpose of connecting parks and neighborhoods to the existing local and regional trail system. This can be accomplished in the Whipple Beach Recreational Area by providing proposed Short Term improvements and future trail segments and connections. The attached Figure shows the proposed and future trail segments, connections and crossings.

Short Term (Proposed) Improvements:

- Provide a connection in the Whipple Beach Park at the Boat Landing Driveway across from the existing sidewalk on the west side of the parking lot.
- Provide a trail segment on the west side of Oakwood Drive from Whipple Beach Park to a location north of Camp Vanasek.
- Provide a marked crosswalk with a flasher system across Oakwood Drive on the north side of the Camp Vanasek baseball/softball field. This will avoid impacts to the Camp Vanasek building area and septic drain field.

Future Improvements:

- Provide an off road trail on the east side/south side of Oakwood Drive/Clearwater Road from Cedar Scenic Road to Welton Road.
- Provide a marked crosswalk with a flasher system across Clearwater Road east of Welton Road, connecting to the existing trail along the eastside of Clearwater Road and future trail around Whipple Beach Park.

If you have any question concerning these comments please feel free to contact Chuck Rickart by email crickart@wsbeng.com or phone (612)360-1283.

Date Printed: 5/6/2016
File Path: AV0201-030\GIS\Exhibits\Whipple Beach Area\3017-03 - fig-01 Pedestrian Review.dgn



**Whipple Beach Recreational Area
Recommended Trail System**
May 6, 2016

BAXTER Whipple Beach Area - Pedestrian Review
City of Baxter, Minnesota





Building a Better World
for All of Us®

MEMORANDUM

TO: Honorable Mayor and City Council and Utilities Commission
c/o Trevor Walter
City of Baxter, Minnesota

FROM: Scott Hedlund, PE

DATE: May 31, 2016

RE: 2015 Mill and Overlay Project
Monthly Project Status Update
SEH No. BAXTE 131772 20.00

A. The following is an update on the status of the current work tasks on the project:

- Construction
 - Reclaiming and paving operations that were held over until 2016 for Edgewood Drive north of Clearwater Road and at the Glory Road/Isle Drive intersection are complete.
 - This work was constructed under traffic.
 - Construction on the remainder of the project is also complete.
 - Final paperwork, turf restoration maintenance period, and post construction services remain.
 - Application for Payment No. 5 to Anderson Brothers is planned for approval by the Utilities Commission and City Council in June.
 - Application for Payment No. 6 - Final is planned for approval by the Utilities Commission and City Council in July.

B. The following is an update on the status of the project budget:

- Total project budget:
 - i. Final costs are anticipated to come in under the total project budget of \$2.5M certified at the assessment hearing.
- Consultant budget:
 - i. There are no unapproved scope changes at this time.

c: Kelly Steele, Jeremy Vacinek – City of Baxter

sh

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Engineers | Architects | Planners | Scientists

Short Elliott Hendrickson Inc., 416 South 6th Street, Suite 200, Brainerd, MN 56401-3540

SEH is 100% employee-owned | sehinc.com | 218.855.1700 | 866.852.8880 | 888.908.8166 fax

OWNER
CONTRACTOR
SEH

APPLICATION FOR PAYMENT NO. 5

CONTRACTOR FOR: 2015 MILL & OVERLAY PROJECT

PROJECT NO. BAXTE 131772
CITY NO. 4415
OWNER CITY OF BAXTER, MN
CONTRACTOR ANDERSON BROTHERS CONSTRUCTION CO. OF BRAINERD, LLC

AGREEMENT DATE: 8/10/2015

FOR WORK ACCOMPLISHED THROUGH: 5/27/2016

ITEM	MNDOT	DESCRIPTION	UNIT	UNIT COST	CONTRACT		THIS PAYMENT		WORK TO DATE	
					QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
1	2012.602	TRAFFIC CONTROL	LUMP SUM	\$36,000.00	1.00	\$36,000.00	0.10	\$3,600.00	1.00	\$36,000.00
2	2021.501	MOBILIZATION	LUMP SUM	\$60,000.00	1.00	\$60,000.00	0.05	\$3,000.00	1.00	\$60,000.00
3	2104.501	REMOVE CONCRETE CURB AND GUTTER	LIN FT	\$10.00	2,020.00	\$20,200.00	135.00	\$1,350.00	7,713.00	\$77,130.00
4	2104.503	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	SQ YD	\$5.00	94.00	\$470.00		\$0.00	159.00	\$795.00
5	2104.503	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$5.00	120.00	\$600.00		\$0.00	145.70	\$728.50
6	2104.509	REMOVE CURB STOP AND BOX	EACH	\$500.00	1.00	\$500.00		\$0.00	1.00	\$500.00
7	2104.511	SAWING CONCRETE PAVEMENT	LIN FT	\$5.25	260.00	\$1,365.00		\$0.00	153.00	\$803.25
8	2104.513	SAWING BITUMINOUS PAVEMENT	LIN FT	\$2.00	2,540.00	\$5,280.00	389.00	\$778.00	1,317.00	\$2,634.00
9	2105.501	SUBGRADE EXCAVATION	CU YD	\$19.00	656.33	\$12,470.27		\$0.00	656.33	\$12,470.27
10	2105.513	SALVAGE AND REINSTALL DELINEATOR MARKERS	LUMP SUM	\$2,000.00	1.00	\$2,000.00		\$0.00	1.00	\$2,000.00
11	2105.507	COMMON EXCAVATION	CU YD	\$14.00	8,425.32	\$117,954.48		\$0.00	7,044.87	\$98,628.18
12	2112.603	RECLAIMED AGGREGATE BASE PREPARATION	ROAD STA	\$100.00	184.00	\$18,400.00	35.00	\$3,500.00	179.00	\$17,900.00
13	2123.61	STREET SWEEPER (TYPE WET PICKUP)	WET PICKUP	\$125.00	34.00	\$4,250.00	2.00	\$250.00	29.00	\$3,625.00
14	2130.501	WATER	MGAL	\$36.00	670.00	\$24,120.00	12.00	\$432.00	320.00	\$11,520.00
15	2215.501	BITUMINOUS PAVEMENT RECLAMATION	SQ YD	\$1.50	71,890.00	\$107,835.00	12,009.00	\$18,013.50	71,897.11	\$107,845.67
16	2231.604	BITUMINOUS PATCH SPECIAL	SQ YD	\$30.00	200.00	\$6,000.00		\$0.00	153.00	\$4,590.00
17	2232.501	MILL BITUMINOUS SURFACE (1.5")	SQ YD	\$2.85	2,307.78	\$6,577.17		\$0.00	2,307.78	\$6,577.17
18	2357.502	BITUMINOUS MATERIAL FOR TACK COAT	GAL	\$2.50	3,594.50	\$8,986.25	650.00	\$1,625.00	2,585.94	\$6,464.85
19	2380.601	TYPE SP 9.5 WEARING COURSE MIXTURE (3,C)	TON	\$55.00	17,798.93	\$978,941.15	3,087.33	\$169,803.15	16,495.58	\$907,256.90
20	2380.601	TYPE SP 12.5 NON WEARING COURSE MIXTURE (3,C)	TON	\$60.00	3,955.29	\$237,317.40	300.00	\$18,000.00	4,029.67	\$295,760.20
21	2380.601	BITUMINOUS DRIVEWAY PAVEMENT RESTORATION	SQ YD	\$30.00	93.89	\$2,816.70		\$0.00	80.00	\$2,400.00
22	2504.602	INSTALL CURB STOP & BOX (1.5")	EACH	\$800.00	1.00	\$800.00		\$0.00	1.00	\$800.00
23	2504.602	ADJUST VALVE BOX	EACH	\$100.00	29.00	\$2,900.00	10.00	\$1,000.00	34.00	\$3,400.00
24	2506.602	ADJUST FRAME & RING CASTING (MINOR)	EACH	\$500.00	41.00	\$20,500.00	9.00	\$4,500.00	45.00	\$22,500.00
25	2506.602	ADJUST FRAME & RING CASTING (MAJOR)	EACH	\$1,000.00	86.00	\$86,000.00	1.00	\$1,000.00	94.00	\$94,000.00
26	2506.602	GROUT CATCH BASIN	EACH	\$500.00	25.00	\$12,500.00		\$0.00	23.00	\$11,500.00
27	2521.501	CONCRETE WALK, 6"	SQ FT	\$6.30	2,205.00	\$13,891.50		\$0.00	2,048.00	\$12,902.40
28	2531.501	CONCRETE CURB & GUTTER, DESIGN B612	LIN FT	\$26.00	230.00	\$5,980.00		\$0.00	304.00	\$7,904.00
29	2531.501	CONCRETE CURB & GUTTER, DESIGN B618	LIN FT	\$28.00	825.00	\$23,100.00	174.00	\$4,872.00	2,510.00	\$70,280.00
30	2531.501	CONCRETE CURB & GUTTER, DESIGN B624	LIN FT	\$31.00	1,195.00	\$37,045.00		\$0.00	5,321.00	\$164,951.00
31	2531.507	CONCRETE DRIVEWAY PAVEMENT RESTORATION	SQ YD	\$75.00	120.00	\$9,000.00		\$0.00	151.80	\$11,385.00
32	2531.602	RECONSTRUCT PEDESTRIAN RAMP W/ TRUNCATED	EACH	\$3,700.00	8.00	\$29,600.00		\$0.00	8.00	\$29,600.00
33	2564.618	CONSTRUCTION SIGN SPECIAL	SQ FT	\$16.00	72.00	\$1,152.00		\$0.00	0.00	\$0.00
34	2565.602	APS PEDESTRIAN PUSH BUTTON STATION	EACH	\$1,715.00	1.00	\$1,715.00		\$0.00	0.00	\$0.00
35	2565.602	RIGID PVC LOOP DETECTOR 6" X 6"	EACH	\$1,050.00	10.00	\$10,500.00		\$0.00	10.00	\$10,500.00
36	2565.616	REVISE SIGNAL SYSTEM	SYSTEM	\$49,000.00	1.00	\$49,000.00		\$0.00	0.90	\$44,100.00
37	2565.616	VIDEO DETECTION SYSTEM	SYSTEM	\$4,500.00	1.00	\$4,500.00		\$0.00	1.00	\$4,500.00
38	2573.53	INLET PROTECTION	EACH	\$100.00	129.00	\$12,900.00		\$0.00	44.00	\$4,400.00
39	2573.533	SEDIMENT CONTROL LOG TYPE STRAW	LIN FT	\$3.15	6,875.00	\$21,656.25		\$0.00	3,300.00	\$10,395.00
40	2573.602	ROCK CONSTRUCTION ENTRANCE	EACH	\$1.00	30.00	\$30.00		\$0.00	0.00	\$0.00

OWNER
CONTRACTOR
SEH

APPLICATION FOR PAYMENT NO. 5

PROJECT NO. BAXTE 131772
CITY NO. 4415
OWNER CITY OF BAXTER, MN
CONTRACTOR ANDERSON BROTHERS CONSTRUCTION CO. OF BRAINERD, LLC

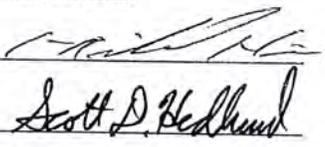
CONTRACTOR FOR: 2015 MILL & OVERLAY PROJECT
AGREEMENT DATE: 8/10/2015
FOR WORK ACCOMPLISHED THROUGH: 5/27/2016

ITEM	MNDOT	DESCRIPTION	UNIT	UNIT COST	CONTRACT		THIS PAYMENT		WORK TO DATE	
					QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
41	2574.525	SCREENED TOPSOIL BORROW (LV)	CU YD	\$60.00	309.81	\$18,588.60	14.00	\$840.00	196.00	\$11,760.00
42	2575.555	TURF ESTABLISHMENT (INCLUDES SEEDING, SEED)	SQ YD	\$1.45	1,899.63	\$2,754.46	48.00	\$69.60	4,946.00	\$7,171.70
43	2581.501	REMOVABLE PREFORMED PAVEMENT MARKING TAPE	LIN FT	\$1.25	2,550.00	\$3,187.50		\$0.00	200.00	\$250.00
44	2582.501	ZEBRA CROSSWALK, WHITE PAINT	SQ FT	\$4.15	306.00	\$1,269.90		\$0.00	414.00	\$1,718.10
45	2582.501	PAVEMENT MESSAGE (LEFT ARROW) PAINT	EACH	\$70.00	30.00	\$2,100.00	8.00	\$560.00	41.00	\$2,870.00
46	2582.501	PAVEMENT MESSAGE (RIGHT ARROW) PAINT	EACH	\$70.00	13.00	\$910.00		\$0.00	16.00	\$1,120.00
47	2582.501	PAVEMENT MESSAGE (RIGHT THRU ARROW) PAINT	EACH	\$150.00	16.00	\$2,400.00	6.00	\$900.00	15.00	\$2,250.00
48	2582.502	4" DOUBLE SOLID YELLOW LINE, PAINT	LIN FT	\$0.25	6,354.00	\$1,588.50	1,220.00	\$305.00	7,365.00	\$1,841.25
49	2582.502	4" SOLID WHITE LINE, PAINT	LIN FT	\$0.15	7,083.00	\$1,062.45	576.00	\$86.40	6,421.00	\$963.15
50	2582.502	4" BROKEN WHITE LINE, PAINT	LIN FT	\$0.15	9,666.00	\$1,449.90	370.00	\$55.50	2,700.00	\$405.00
51	2582.502	8" SOLID WHITE LINE, PAINT	LIN FT	\$0.95	1,082.00	\$1,027.90	104.00	\$98.80	1,253.00	\$1,190.35
52	2582.502	STOP BAR, 24" WHITE PAINT	LIN FT	\$4.25	639.00	\$2,715.75	141.00	\$599.25	751.00	\$3,191.75
TOTAL ITEMS BID						\$2,033,908.14		\$236,238.20		\$2,193,497.69
CHANGE ORDER NO. 1										
3A	2104.501	REMOVE CONCRETE CURB AND GUTTER	LIN FT	\$10.00	5,450.00	\$54,500.00		\$0.00	0.00	\$0.00
29A	2531.501	CONCRETE CURB & GUTTER, DESIGN B618	LIN FT	\$28.00	1,550.00	\$43,400.00		\$0.00	0.00	\$0.00
30A	2531.501	CONCRETE CURB & GUTTER, DESIGN B624	LIN FT	\$31.00	3,900.00	\$120,900.00		\$0.00	0.00	\$0.00
TOTAL CHANGE ORDER NO. 1						\$218,800.00		\$0.00		\$0.00
SUMMARY										
TOTAL ITEMS BID						\$2,033,908.14		\$236,238.20		\$2,193,497.69
CHANGE ORDER TOTAL						\$218,800.00		\$0.00		\$0.00
						\$2,252,708.14		\$236,238.20		\$2,193,497.69

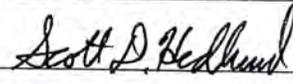
The undersigned Contractor certifies that all previous payments received from the Owner for work done under this contract have been applied to discharge in full all obligations the Contractor incurred in connection with the work covered by said progress payments. The undersigned Contractor agrees to pay all subcontractors within 10 days of receipt of payment from the municipality for undisputed services provided by the subcontractor. The Contractor agrees to pay interest as described under Minnesota state statute.

Gross Amount Due \$2,193,497.69
Less Retainage (1%) \$21,934.98
Amount Eligible to Date \$2,171,562.71
Less Previous Payments \$1,860,346.52
Amount Due This Application \$311,216.19

SUBMITTED ANDERSON BROTHERS CONSTRUCTION CO. O
PO BOX 688
BRAINERD, MN 56401-0688

BY:  DATE: 5/31/16

RECOMMENDED SEH
416 S 6TH ST STE 200
BRAINERD, MN 56401

BY:  DATE: 5-31-16

APPROVED CITY OF BAXTER
PO BOX 2626
BAXTER, MN 56425-2626

BY: Kelly Steele, Asst. City Administrator/Clerk DATE: _____

APPROVED CITY OF BAXTER
PO BOX 2626
BAXTER, MN 56425-2626

BY: Darrel Olson, Mayor DATE: _____

APPROVED CITY OF BAXTER - UTILITIES COMMISSION
PO BOX 2626
BAXTER, MN 56425-2626

BY: _____ DATE: _____



Building a Better World
for All of Us®

MEMORANDUM

TO: Honorable Mayor and City Council and Utilities Commission
c/o Trevor Walter
City of Baxter, Minnesota

FROM: Scott Hedlund, PE

DATE: May 31, 2016

RE: 2016 Fairview Road Improvements Project
Monthly Project Status Update
SEH No. BAXTE 133676 20.00

The following is an update on the status of the various work tasks on the project:

A. Permits

- The necessary wetland permits have been secured.
- The necessary Mn/DOT right of way (ROW) permit has been secured.
- The necessary MPCA NPDES Construction Stormwater Permit will be secured by the contractor prior to start of construction.

B. Easements

- Easement agreements from all but 2 parcels have been secured to date.
 - The remaining 2 are temporary easements for driveway resloping.
 1. One of the two has given verbal approval.
- Beyond the easements above, 2 additional easements combined with maintenance agreements are being negotiated with the school district to cover the existing storm ponds on the west and southeast sides of Baxter Elementary School property.
 - The west pond is planned for improvement with the 2016 Mill & Overlay Project and the southeast pond is planned for improvement with this project.

C. Bidding

- Bids were opened on May 3, 2016.
 - Two bids were received.
 - Both bids were below the engineer's estimate.
 - Anderson Brothers Construction of Brainerd is the low bidder.
- City Council award consideration is planned for June 7, 2016.

D. Assessment Hearing

- The assessment hearing is planned for Thursday, June 2, 2016.

E. Construction

- The preconstruction conference (for the Contractor, Private Utility Companies, City Staff, and SEH) is tentatively planned for June 9th at 9am at City Hall.
- The preconstruction neighborhood meeting is tentatively planned for June 9th at 6pm at City Hall.
- Anderson Brothers has advised construction is tentatively planned to start as early as June 13th (depending on when the City awards the project) with completion by September 1, 2016.

Engineers | Architects | Planners | Scientists

Short Elliott Hendrickson Inc., 416 South 6th Street, Suite 200, Brainerd, MN 56401-3540
SEH is 100% employee-owned | sehinc.com | 218.855.1700 | 866.852.8880 | 888.908.8166 fax

F. Utility Relocation Work

- Centerpoint Energy gas main and service relocation/upgrade work started in May and is planned to be complete prior to the City's construction project starting.

The following is an update on the status of the project budget:

G. Total project budget:

- The total project budget based on the as-bid construction costs and figures to be presented at the Assessment Hearing is \$1.3M which compares favorably to preliminary budget of \$2.05M from the Feasibility Report.

H. Consultant budget:

- SEH construction services proposal is planned for approval by the Utilities Commission and City Council in June.

c: Kelly Steele, Jeremy Vacinek – City of Baxter

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Building a Better World
for All of Us®

June 1, 2016

RE: City of Baxter, Minnesota
2016 Fairview Road Improvements
City No. 4113
SEH No. BAXTE 133676 14.00

Honorable Mayor and City Council
c/o Kelly Steele, Acting City Administrator
City of Baxter
13190 Memorywood Drive
PO Box 2626
Baxter, MN 56425-2626

Dear Mayor and Members of the City Council and Utilities Commission:

Bids were opened in City Hall at 11:00 a.m. on May 3, 2016 for the above-referenced improvement. The low bid was submitted by Anderson Brothers Construction Company of Brainerd, LLC of Brainerd, Minnesota in the amount of \$945,625.00, which was below the engineer's estimate. A complete tabulation of bids is enclosed.

We recommend the project be awarded to the low bidder in the amount of \$945,625.00.

Please feel free contact me if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "Scott D. Hedlund".

Scott Hedlund, PE
Project Manager

mrh

Enclosure

c: Trevor Walter, City of Baxter

p:\aet\b\baxte\133676\1-gen\14-corr\ city project recommendation - 060116.docx

Engineers | Architects | Planners | Scientists

Short Elliott Hendrickson Inc., 416 South 6th Street, Suite 200, Brainerd, MN 56401-3540

SEH is 100% employee-owned | sehinc.com | 218.855.1700 | 866.852.8880 | 888.908.8166 fax



TABULATION OF BIDS

SEH NO.: BAXTE 133676
 CITY NO.: 4113
 NAME: 2016 FAIRVIEW ROAD IMPROVEMENTS
 OWNER: CITY OF BAXTER, MINNESOTA
 BID DATE: TUESDAY, MAY 3, 2016 @ 11:00 A.M.

ITEM	QUANTITY	UNIT	DESCRIPTION	ENGINEER'S ESTIMATE		¹ ANDERSON BROTHERS		² TRI-CITY PAVING, INC.	
				UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
FULL DEPTH RECLAMATION									
1	1.00	LUMP SUM	MOBILIZATION	\$40,000.00	\$40,000.00	\$49,606.60	\$49,606.60	\$50,000.00	\$50,000.00
2	1.00	LUMP SUM	TRAFFIC CONTROL	\$15,000.00	\$15,000.00	\$4,500.00	\$4,500.00	\$6,000.00	\$6,000.00
3	1.00	LUMP SUM	TEMPORARY MAIL BOX BANK SYSTEM	\$1,500.00	\$1,500.00	\$275.00	\$275.00	\$1,000.00	\$1,000.00
4	3.00	EACH	SALVAGE & INSTALL SWING AWAY MAIL BOX	\$150.00	\$450.00	\$140.00	\$420.00	\$200.00	\$600.00
5	30.00	EACH	SALVAGE MAIL BOX	\$50.00	\$1,500.00	\$22.00	\$660.00	\$20.00	\$600.00
6	30.00	EACH	SWING AWAY MAIL BOX SUPPORT	\$300.00	\$9,000.00	\$110.00	\$3,300.00	\$100.00	\$3,000.00
7	0.08	ACRE	CLEARING	\$7,500.00	\$600.00	\$4,150.00	\$332.00	\$6,000.00	\$480.00
8	21.00	TREE	CLEARING	\$300.00	\$6,300.00	\$165.00	\$3,465.00	\$200.00	\$4,200.00
9	0.08	ACRE	GRUBBING	\$7,500.00	\$600.00	\$4,150.00	\$332.00	\$6,000.00	\$480.00
10	27.00	TREE	GRUBBING	\$100.00	\$2,700.00	\$165.00	\$4,455.00	\$200.00	\$5,400.00
11	1.00	LUMP SUM	CLEAN EXISTING STORM POND (BAXTER)	\$5,000.00	\$5,000.00	\$850.00	\$850.00	\$18,000.00	\$18,000.00
12	1.00	LUMP SUM	CLEAN EXISTING STORM SEWER SYSTEM (BAXTER)	\$2,000.00	\$2,000.00	\$3,500.00	\$3,500.00	\$12,000.00	\$12,000.00
13	4.00	LUMP SUM	CLEAN EXISTING CULVERT AND APRON ENDS	\$1,500.00	\$6,000.00	\$1,100.00	\$4,400.00	\$500.00	\$2,000.00
14	50.00	LIN FT	REMOVE PIPE CULVERTS	\$10.00	\$500.00	\$13.25	\$662.50	\$25.00	\$1,250.00
15	840.00	LIN FT	REMOVE CURB AND GUTTER	\$10.00	\$8,400.00	\$6.00	\$5,040.00	\$6.00	\$5,040.00
16	1,260.00	SQ FT	REMOVE CONCRETE MEDIAN	\$9.00	\$11,340.00	\$8.25	\$10,395.00	\$6.50	\$8,190.00
17	108.00	SQ FT	REMOVE CONCRETE WALK	\$9.00	\$972.00	\$5.25	\$567.00	\$5.00	\$540.00
18	30.00	LIN FT	REMOVE & REPLACE CONCRETE CURB AND	\$40.00	\$1,200.00	\$28.75	\$862.50	\$50.00	\$1,500.00
19	100.00	SQ YD	REMOVE CONCRETE DRIVEWAY PAVEMENT	\$10.00	\$1,000.00	\$5.25	\$525.00	\$10.00	\$1,000.00
20	2,400.00	SQ YD	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	\$5.00	\$12,000.00	\$2.75	\$6,600.00	\$6.00	\$14,400.00
21	1,400.00	LIN FT	SAWING BITUMINOUS PAVEMENT	\$4.00	\$5,600.00	\$1.65	\$2,310.00	\$2.25	\$3,150.00
22	80.00	LIN FT	SAWING CONCRETE PAVEMENT	\$6.50	\$520.00	\$5.50	\$440.00	\$10.00	\$800.00
23	32.00	EACH	SALVAGE 911 SIGN	\$25.00	\$800.00	\$11.00	\$352.00	\$20.00	\$640.00
24	50.00	EACH	SALVAGE SIGN PANEL TYPE C	\$25.00	\$1,250.00	\$28.00	\$1,400.00	\$25.00	\$1,250.00
25	2.00	EACH	SALVAGE & INSTALL PERMANENT BARRICADES	\$150.00	\$300.00	\$195.00	\$390.00	\$300.00	\$600.00
26	1.00	EACH	SALVAGE & INSTALL PIPE APRON	\$300.00	\$300.00	\$530.00	\$530.00	\$1,000.00	\$1,000.00
27	1.00	LUMP SUM	SALVAGE & INSTALL LANDSCAPING (SUPER	\$4,500.00	\$4,500.00	\$2,500.00	\$2,500.00	\$6,500.00	\$6,500.00
28	1.00	LUMP SUM	SALVAGE & INSTALL LANDSCAPING (5418	\$2,500.00	\$2,500.00	\$1,000.00	\$1,000.00	\$6,500.00	\$6,500.00
29	40.00	LIN FT	SALVAGE & INSTALL CHAIN LINK FENCE (ELEMENATARY	\$25.00	\$1,000.00	\$5.00	\$200.00	\$50.00	\$2,000.00
30	50.00	LIN FT	SALVAGE & INSTALL WOOD SPLIT RAIL FENCE	\$25.00	\$1,250.00	\$10.00	\$500.00	\$50.00	\$2,500.00
31	30.00	LIN FT	REMOVE WOOD RAIL FENCE (6072 FAIRVIEW RD)	\$15.00	\$450.00	\$5.00	\$150.00	\$20.00	\$600.00
32	1.00	TREE	CONIFEROUS TREE (COLORADO BLUE SPRUCE, 6	\$350.00	\$350.00	\$775.00	\$775.00	\$600.00	\$600.00
33	1.00	TREE	DECIDUOUS TREE (RIVER BIRCH, 2-INCH, B&B)	\$350.00	\$350.00	\$775.00	\$775.00	\$750.00	\$750.00
34	1.00	TREE	ORNAMENTAL TREE (CRAB APPLE, 1.5-INCH,	\$200.00	\$200.00	\$775.00	\$775.00	\$500.00	\$500.00
35	1.00	SHRUB	DECIDUOUS SHRUB (COMMON LILAC,	\$75.00	\$75.00	\$105.00	\$105.00	\$100.00	\$100.00
36	3.00	TREE	TRANSPLANT TREE (TREE SPADE)	\$350.00	\$1,050.00	\$1,650.00	\$4,950.00	\$1,000.00	\$3,000.00

TABULATION OF BIDS

SEH NO.: BAXTE 133676
 CITY NO.: 4113
 NAME: 2016 FAIRVIEW ROAD IMPROVEMENTS
 OWNER: CITY OF BAXTER, MINNESOTA
 BID DATE: TUESDAY, MAY 3, 2016 @ 11:00 A.M.

ITEM	QUANTITY	UNIT	DESCRIPTION	ENGINEER'S ESTIMATE		1 ANDERSON BROTHERS		2 TRI-CITY PAVING, INC.	
				UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
37	5.00	SHRUB	TRANSPLANT SHRUB	\$50.00	\$250.00	\$105.00	\$525.00	\$500.00	\$2,500.00
38	3,504.00	CU YD	COMMON EXCAVATION	\$16.00	\$56,064.00	\$13.05	\$45,727.20	\$7.00	\$24,528.00
39	1,300.00	CU YD	SUBGRADE EXCAVATION	\$17.00	\$22,100.00	\$13.75	\$17,875.00	\$12.00	\$15,600.00
40	79.00	ROAD STA	RECLAIMED AGGREGATE BASE PREPARATION	\$250.00	\$19,750.00	\$200.00	\$15,800.00	\$200.00	\$15,800.00
41	20.00	HOUR	STREET SWEEPER (WITH PICKUP BROOM)	\$125.00	\$2,500.00	\$125.00	\$2,500.00	\$50.00	\$1,000.00
42	500.00	MGAL	WATER	\$50.00	\$25,000.00	\$43.50	\$21,750.00	\$10.00	\$5,000.00
43	465.00	CU YD	AGGREGATE BASE, CL 5 (CV)	\$27.00	\$12,555.00	\$22.65	\$10,532.25	\$25.00	\$11,625.00
44	212.00	CU YD	AGGREGATE SURFACING, CL1 (CV)	\$32.00	\$6,784.00	\$38.00	\$8,056.00	\$30.00	\$6,360.00
45	55.00	SQ YD	AGGREGATE DRIVEWAY RESTORATION, CLASS 5	\$30.00	\$1,650.00	\$10.00	\$550.00	\$5.00	\$275.00
46	22,633.00	SQ YD	BITUMINOUS PAVEMENT RECLAMATION	\$1.75	\$39,607.75	\$1.00	\$22,633.00	\$1.00	\$22,633.00
47	990.00	SQ YD	MILL BITUMINOUS SURFACE 1.5"	\$3.00	\$2,970.00	\$7.50	\$7,425.00	\$1.50	\$1,485.00
48	2,963.00	TON	TYPE SP 9.5 WEARING COURSE MIXTURE (2,C)	\$67.00	\$198,521.00	\$46.00	\$136,298.00	\$57.00	\$168,891.00
49	3,788.00	TON	TYPE SP 12.5 WEARING COURSE MIXTURE (2,C)	\$63.00	\$238,644.00	\$47.00	\$178,036.00	\$55.00	\$208,340.00
50	40.00	TON	TYPE SP 9.5 WEARING COURSE MIXTURE (2,C) -	\$100.00	\$4,000.00	\$70.00	\$2,800.00	\$89.00	\$3,560.00
51	1,630.00	GAL	BITUMINOUS MATERIAL FOR TACK COAT	\$2.75	\$4,482.50	\$2.00	\$3,260.00	\$2.00	\$3,260.00
52	1,090.00	SQ YD	RESIDENTIAL BITUMINOUS DRIVEWAY RESTORATION	\$32.00	\$34,880.00	\$29.00	\$31,610.00	\$10.00	\$10,900.00
53	687.00	SQ YD	COMMERCIAL BITUMINOUS DRIVEWAY RESTORATION	\$35.00	\$24,045.00	\$24.00	\$16,488.00	\$20.00	\$13,740.00
54	48.00	EACH	ADJUST SANITARY SEWER CLEAN-OUT (NEW CASTING)	\$300.00	\$14,400.00	\$225.00	\$10,800.00	\$1,000.00	\$48,000.00
55	40.00	EACH	ADJUST CURB BOX	\$300.00	\$12,000.00	\$150.00	\$6,000.00	\$200.00	\$8,000.00
56	27.00	EACH	ADJUST VALVE BOX	\$375.00	\$10,125.00	\$250.00	\$6,750.00	\$200.00	\$5,400.00
57	700.00	SQ YD	INSULATION	\$50.00	\$35,000.00	\$46.00	\$32,200.00	\$6.00	\$4,200.00
58	120.00	SQ FT	CONCRETE WALK, 4"	\$10.00	\$1,200.00	\$8.25	\$990.00	\$7.43	\$891.60
59	700.00	SQ FT	CONCRETE WALK, 6"	\$12.00	\$8,400.00	\$8.00	\$5,600.00	\$7.12	\$4,984.00
60	512.00	LIN FT	CONCRETE CURB & GUTTER, DESIGN B612	\$35.00	\$17,920.00	\$17.75	\$9,088.00	\$15.97	\$8,176.64
61	147.00	LIN FT	24" RIBBON CURB	\$38.00	\$5,586.00	\$16.50	\$2,422.50	\$14.94	\$2,196.18
62	80.00	LIN FT	CONCRETE VALLEY GUTTER	\$60.00	\$4,800.00	\$47.00	\$3,760.00	\$42.50	\$3,400.00
63	65.00	SQ YD	6" CONCRETE DRIVEWAY PAVEMENT RESTORATION	\$100.00	\$6,500.00	\$73.00	\$4,745.00	\$55.66	\$3,617.90
64	4.00	EACH	PEDESTRIAN RAMP W/ TRUNCATED DOMES	\$2,000.00	\$8,000.00	\$800.00	\$3,200.00	\$720.00	\$2,880.00
65	28.00	EACH	ADJUST FRAME & RING CASTING (SANITARY)	\$700.00	\$19,600.00	\$500.00	\$14,000.00	\$200.00	\$5,600.00
66	105.00	SQ FT	SIGN PANELS TYPE C	\$50.00	\$5,250.00	\$25.00	\$2,625.00	\$25.00	\$2,625.00
67	38.00	EACH	INSTALL 911 SIGN	\$25.00	\$950.00	\$22.00	\$836.00	\$20.00	\$760.00
68	68.00	EACH	INSTALL SIGN PANEL TYPE C	\$200.00	\$13,600.00	\$133.00	\$9,044.00	\$120.00	\$8,160.00
69	1.00	EACH	OBJECT MARKER/DELINEATOR	\$50.00	\$50.00	\$140.00	\$140.00	\$125.00	\$125.00
70	730.00	LIN FT	SILT FENCE, TYPE MS	\$4.00	\$2,920.00	\$2.75	\$2,007.50	\$2.50	\$1,825.00
71	1,750.00	LIN FT	SEDIMENT CONTROL LOG TYPE STRAW	\$3.50	\$6,125.00	\$5.00	\$8,750.00	\$3.00	\$5,250.00
72	6.00	EACH	ROCK CONSTRUCTION EXIT	\$650.00	\$3,900.00	\$550.00	\$3,300.00	\$1,000.00	\$6,000.00
73	800.00	CU YD	TOPSOIL BORROW	\$60.00	\$48,000.00	\$31.50	\$25,200.00	\$30.00	\$24,000.00



TABULATION OF BIDS

SEH NO.: BAXTE 133676
 CITY NO.: 4113
 NAME: 2016 FAIRVIEW ROAD IMPROVEMENTS
 OWNER: CITY OF BAXTER, MINNESOTA
 BID DATE: TUESDAY, MAY 3, 2016 @ 11:00 A.M.

ITEM	QUANTITY	UNIT	DESCRIPTION	ENGINEER'S ESTIMATE		¹ ANDERSON BROTHERS		² TRI-CITY PAVING, INC.	
				UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
74	21,000.00	SQ YD	TURF ESTABLISHMENT (INCLUDES SEEDING, SEED	\$5.00	\$105,000.00	\$2.75	\$57,750.00	\$2.30	\$48,300.00
75	15,000.00	SQ YD	TEMPORARY SEEDING (INCLUDES SEEDING, SEED	\$2.00	\$30,000.00	\$0.40	\$6,000.00	\$1.00	\$15,000.00
76	15.00	SQ FT	PAVEMENT MESSAGE PAINT - LT ARROW	\$10.00	\$150.00	\$5.00	\$75.00	\$5.00	\$75.00
77	15.00	SQ FT	PAVEMENT MESSAGE PAINT - RT ARROW	\$10.00	\$150.00	\$5.00	\$75.00	\$5.00	\$75.00
78	35.00	SQ FT	PAVEMENT MESSAGE WHITE - BIKE SYMBOL - POLY	\$25.00	\$875.00	\$75.00	\$2,625.00	\$100.00	\$3,500.00
79	1,000.00	LIN FT	8" SOLID WHITE LINE, POLY PREFORM (GROUND IN)	\$8.00	\$8,000.00	\$8.25	\$8,250.00	\$7.50	\$7,500.00
80	76.00	LIN FT	8" DOTTED WHITE LINE, POLY PREFORM (GROUND	\$9.00	\$684.00	\$8.25	\$627.00	\$7.50	\$570.00
81	295.00	LIN FT	4" SOLID WHITE LINE, PAINT	\$0.65	\$191.75	\$0.10	\$29.50	\$0.10	\$29.50
82	14,148.00	LIN FT	8" SOLID WHITE LINE, PAINT	\$4.00	\$56,592.00	\$0.15	\$2,122.20	\$0.15	\$2,122.20
83	143.00	LIN FT	12" SOLID WHITE LINE, PAINT	\$18.00	\$2,574.00	\$2.75	\$393.25	\$2.50	\$357.50
84	63.00	LIN FT	12" SOLID YELLOW LINE, PAINT	\$18.00	\$1,134.00	\$3.00	\$189.00	\$3.00	\$189.00
85	290.00	LIN FT	STOP BAR, 24" WHITE PAINT	\$15.00	\$4,350.00	\$3.30	\$957.00	\$3.00	\$870.00
86	860.00	LIN FT	4" BROKEN YELLOW LINE, PAINT	\$0.65	\$559.00	\$0.10	\$86.00	\$0.10	\$86.00
87	3,575.00	LIN FT	4" DOUBLE SOLID YELLOW LINE, PAINT	\$0.80	\$2,860.00	\$0.20	\$715.00	\$0.20	\$715.00
STORM SEWER									
88	892.00	CU YD	COMMON EXCAVATION (SUPER AMERICA POND)	\$16.00	\$14,272.00	\$10.00	\$8,920.00	\$14.00	\$12,488.00
89	350.00	CU YD	EXCAVATE AND DISPOSE OF CONTAMINATED MATERIAL	\$100.00	\$35,000.00	\$50.00	\$17,500.00	\$65.00	\$22,750.00
90	30.00	LIN FT	REMOVE CHAIN LINK FENCE	\$10.00	\$300.00	\$5.00	\$150.00	\$50.00	\$1,500.00
91	100.00	LIN FT	REPAIR CHAIN LINK FENCE	\$15.00	\$1,500.00	\$10.00	\$1,000.00	\$30.00	\$3,000.00
92	220.00	LIN FT	60" CHAIN LINK FENCE	\$20.00	\$4,400.00	\$14.00	\$3,080.00	\$22.00	\$4,840.00
93	1.00	EACH	60" CHAIN LINK VEHICULAR GATE	\$1,500.00	\$1,500.00	\$825.00	\$825.00	\$1,000.00	\$1,000.00
94	31.00	CU YD	RANDOM RIPRAP, CLASS III	\$110.00	\$3,410.00	\$65.00	\$2,015.00	\$100.00	\$3,100.00
95	1.00	EACH	CONSTRUCT DRAINAGE STRUCTURE DESIGN H	\$2,000.00	\$2,000.00	\$1,350.00	\$1,350.00	\$3,000.00	\$3,000.00
96	1.00	EACH	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-2024	\$3,000.00	\$3,000.00	\$1,700.00	\$1,700.00	\$3,000.00	\$3,000.00
97	2.00	EACH	CONSTRUCT DRAINAGE STRUCTURE DES 48-4020	\$3,500.00	\$7,000.00	\$3,500.00	\$7,000.00	\$3,000.00	\$6,000.00
98	96.00	LIN FT	12" CM PIPE CULVERT	\$30.00	\$2,880.00	\$27.00	\$2,592.00	\$40.00	\$3,840.00
99	50.00	LIN FT	15" RCP PIPE SEWER DESIGN 3006, CL V	\$50.00	\$2,500.00	\$53.00	\$2,650.00	\$68.00	\$3,400.00
100	443.00	LIN FT	18" RC PIPE SEWER DES 3006, CL V	\$55.00	\$24,365.00	\$51.00	\$22,593.00	\$42.00	\$18,606.00
101	4.00	EACH	12" CS PIPE APRON	\$150.00	\$600.00	\$145.00	\$580.00	\$200.00	\$800.00
102	1.00	EACH	15" RCP APRON W/TRASH GUARD	\$1,500.00	\$1,500.00	\$1,100.00	\$1,100.00	\$1,200.00	\$1,200.00
103	1.00	EACH	18" RCP APRON W/TRASH GUARD	\$2,000.00	\$2,000.00	\$1,450.00	\$1,450.00	\$1,500.00	\$1,500.00
GRAND TOTAL BID					\$1,384,033.00		\$945,625.00		\$997,171.52

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Agreement for Professional Services

This Agreement is effective as of May 31, 2016, between City of Baxter, Minnesota (Client) and Short Elliott Hendrickson Inc. (Consultant).

This Agreement authorizes and describes the scope, schedule, and payment conditions for Consultant's work on the Project described as: 2016 Fairview Road Improvements – Construction Services.

Client's Authorized Representative: Trevor Walter

Address: 13190 Memorywood Drive
Baxter, MN 56425-2626

Telephone: 218.454.5110 **email:** twalter@baxtermn.gov

Project Manager: Scott Hedlund

Address: 416 South 6th St, Suite 200
Brainerd, MN 56401

Telephone: 218.855.1705 **email:** shedlund@sehinc.com

Scope: The Basic Services to be provided by Consultant as set forth herein is provided subject to the attached General Conditions of the Agreement for Professional Services (General Conditions Rev. 12.07.15) which is incorporated by reference herein and subject to Exhibits attached to this Agreement, and the scope of services outlined in attached **Exhibit A**, Work Plan Summary and Fee Estimate.

Construction Phase Services

During the construction phase, SEH professionals shall:

1. Make visits to the site at intervals appropriate to the various stages of construction to observe as an experienced and qualified design professional the progress and quality of the executed work of the Contractor(s), and to determine in general, if such work is proceeding in accordance with the Contract Documents. The Owner has not retained SEH to make exhaustive or continuous on-site inspections to check the quality or quantity of such work.

SEH shall not be responsible for the means, methods, techniques, sequences, or procedures of construction selected by the Contractor(s), or the safety precautions and programs incidental to the work of the Contractor(s). SEH efforts will be directed toward providing a greater degree of confidence for the Owner that the completed work of the Contractor will conform to the Contract Documents, but SEH shall not be responsible for the Contractor's failure to perform the construction work in accordance with the Contract Documents.

During such visits and on the basis of on-site observations, SEH will keep the Owner informed of the progress of the work and will endeavor to guard the Owner against defects and deficiencies in the work of the Contractors. This obligation does not include anything related to safety. It is agreed that safety matters are Contractor's responsibility.

2. Review samples, schedules, shop drawings, the results of tests and inspections and other data which the Contractor is required to submit, but only for conformance with the design concept of the project and compliance with the information given in the Contract Documents. Such review shall not extend to means, methods, sequences, techniques or procedures of construction or to safety precautions and programs incidental thereto. SEH shall receive and review (for general content as required by the specification), maintenance and operating instructions, schedules, guarantees, bonds and certificates of inspection which are to be assembled by the Contractor in accordance with the Contract Documents.
3. Consult with and advise the Owner, act as the Owner's representative at the Project site, issue all instructions of the Owner to the Contractor, and prepare routine change orders as required.

4. Review the Contractor's Application for Payment, determine the amount owing the Contractor, and make recommendations to the Owner regarding the payment thereof.
SEH's recommendations constitute a representation to the Owner that, to the best of SEH's knowledge, information, and belief, the work has progressed to the point indicated on said application, and the quality of work is in accordance with the Contract Documents, subject to the results of any subsequent test called for by the Contract Documents, and any qualifications stated in their recommendations.
SEH's responsibilities under this paragraph are subject to the limitations set out in paragraph 1.
5. Conduct a site visit to determine if the project is substantially complete. Such site visits may include representatives from the Owner. If the Contractor has fulfilled all of his obligations, SEH may give written notice to the Owner that the work is acceptable for final payment.
6. Provide construction surveys and staking to enable the Contractor to perform its work.
7. Providing assistance in the start-up, testing, adjusting and balancing during operation of pumping equipment or systems, and reviewing Contractor-prepared operating and maintenance manuals.
8. Provide Resident Project Representation (RPR) services as described in Exhibit B.
9. Furnish the Owner a set of reproducible record prints of drawings and addendum drawings showing those changes made during the construction process, based on the marked up prints, drawings, and other data furnished by the Contractor to SEH.

Additional Services

1. If authorized by the Owner, SEH shall furnish additional services:
 - (a) Preparation of applications and supporting documents for government grants, loans, or advances.
 - (b) Preparation or review of environmental assessment worksheets and environmental assessment impact statements.
 - (c) Review and evaluation of any statements or documents prepared by others and their effect on the requirements of the project.
 - (d) Additional services due to significant changes in the general scope of the Project or its design including but not limited to, changes in size, complexity of character or type of construction.
 - (e) Preparing Change Orders or other services and supporting data or providing other services in connection with changed project conditions which are inconsistent with the original design intent including, but not limited to, changes in project size, complexity, Owner's schedule, character of construction or method of financing.
 - (f) Providing professional services made necessary by the default of the Contractor or by major defects in the Work of the Contractor in the performance of the Construction Contract.
 - (g) Providing any type of property surveys or related engineering services needed for the transfer of interests in real property and providing other special field surveys.
 - (h) Providing services in support of Owner's pursuit, collection, and or defense of liquidated damages.
 - (i) Providing services after issuance to the Owner of the final Certificate for Payment.
 - (j) Providing services of professional consultants for other than the normal services stated in the Agreement.
 - (k) Serving as an expert witness for the Owner in any litigation or other proceedings.
 - (l) Assistance in connection with Bid protests, rebidding or renegotiating contracts for construction, materials, equipment, or services, except when such assistance is required by the Agreement.
 - (m) Additional services not otherwise provided for in this Agreement.
2. Required Additional Services: SEH shall perform or furnish (without requesting or receiving specific advance authorization from Owner) the types listed below. SEH shall advise Owner in writing promptly after starting any such Additional Services.
 - (a) Services in connection with Work Change Directives and Change Orders to reflect changes requested by Owner, so as to make the compensation commensurate with the extent of the Additional Services rendered.
 - (b) Services in making revisions to Drawings and Specifications required by reviewing authorities or occasioned by the acceptance of substitute materials or equipment other than "or-equal" items; and

services after the award of the Construction Agreement in evaluating and determining the acceptability of a substitution which is found to be inappropriate for the Project or an excessive number of substitutions.

- (c) Services resulting from significant delays, changes, or price increases occurring as a direct or indirect result of materials, equipment, or energy shortages.
- (d) Additional or extended services during construction made necessary by (1) emergencies or acts of God endangering the Work, (2) an occurrence of a Hazardous Environmental Condition, (3) Work damaged by fire or other cause during construction, (4) defective, neglected, or delayed work by Contractor, (5) acceleration of the progress schedule involving services beyond normal working hours, or (6) default by Contractor.
- (e) Services in connection with any partial utilization of any part of the Work by Owner prior to Substantial Completion.
- (f) Evaluating an unreasonable claim or an excessive number of claims submitted by Contractor or others in connection with the Work.

RPR services will be provided in accordance with attached **Exhibit B**.

Schedule: We will start our services promptly after receipt of authorization. We estimate our services will be completed after 3 months. If there are delays in the Project beyond our control, you agree to grant additional time to complete the services.

Payment: The fee is hourly estimated to be **\$97,106.00** including expenses and equipment. The estimated total fee is subject to a not-to-exceed amount of **\$97,106.00** including expenses and equipment.

The payment method, basis, frequency and other special conditions are set forth in attached Exhibit A-1.

This Agreement for Professional Services, attached General Conditions, Exhibits and any Attachments (collectively referred to as the "Agreement") supersedes all prior contemporaneous oral or written agreements and represents the entire understanding between Client and Consultant with respect to the services to be provided by Consultant hereunder. In the event of a conflict between the documents, this document and the attached General Conditions shall take precedence over all other Exhibits unless noted below under "Other Terms and Conditions". The Agreement for Professional Services and the General Conditions (including scope, schedule, fee and signatures) shall take precedence over attached Exhibits. This Agreement may not be amended except by written agreement signed by the authorized representatives of each party.

Other Terms and Conditions: Other or additional terms contrary to the General Conditions that apply solely to this project as specifically agreed to by signature of the Parties and set forth herein: None.

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Short Elliott Hendrickson Inc.

City of Baxter, Minnesota

By: Scott D. Hedlund
 Title: Senior Project Manager

By: _____
 Title: _____

City of Baxter, Minnesota

By: _____
 Title: _____

2016 FAIRVIEW ROAD IMPROVEMENTS

EXHIBIT A

Professional Services - Construction Phase

Work Plan Summary and Fee Estimate

City of Baxter, Minnesota

May 31, 2016



WORK TASKS	Sr. Prof. Eng/ Sr. Project Manager	Principal/ Sr. Specialist	Professional Engineer/ Specialist	Staff Engineer	Sr. Water Resources Eng./ Scientist	Lead Technician/ Specialist	Sr. Technician / Surveyor Crew Chief	Technician / Survey Assistant	Admin. Tech	SEH TOTAL HOURS
1.0 Project Management	22	0	0	0	0	0	0	5	9	36
2.0 Construction Administration	49	1	3	4	0	4	8	0	11	80
3.0 Construction Observation	0	0	0	360	0	80	0	0	0	440
4.0 Construction Staking	1	0	0	18	0	0	54	4	0	77
5.0 Construction Materials Sampling and Testing	2	0	0	0	0	0	0	0	0	2
6.0 Post Construction Services	8	0	0	0	12	14	36	0	2	72
7.0 Contaminated Soils Field Monitoring and Testing	4	3	1	0	30	0	0	2	2	42
Total Project Hours	86	4	4	382	42	98	98	11	24	749
Average Rates	\$145.00	\$170.00	\$124.00	\$95.00	\$124.00	\$107.00	\$93.00	\$83.00	\$63.00	

Total Labor Cost	\$77,169.00
Reimbursables	\$4,232.00
Total SEH Fee	\$81,401.00

Subconsultants	
Construction Materials Sampling & Testing (Braun)	\$14,705.00
Contaminated Soils Laboratory Testing	\$1,000.00
Subconsultant Subtotal	\$15,705.00

Total Project Cost	\$97,106.00
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**2016 Fairview Road Improvements
Professional Services - Construction Phase
Work Plan**

May 31, 2016

Client: CITY OF BAXTER, MINNESOTA

Work Tasks	Work Task Descriptions	Sr Prof Eng/ Sr	Project Manager	Principal/ Sr. Specialist	Prof. Engineer / Specialist	Staff Engineer	Water Res. Engineer or Scientist	Lead Technician/ Specialist	Sr Tech. or Survey Crew Chief	Tech / Survey Assist.	Admin. Tech.	TOTAL
		Manager	Specialist	Specialist	Specialist	Specialist	Specialist	Specialist	Specialist	Specialist	Specialist	Specialist
1.0	Project Management											
1.1	Perform general day-to-day project management and administration. Includes project accounting, invoicing and record keeping	5								5	5	15
1.2	Ongoing coordination, communication and scheduling - internal and external	5									4	5
1.3	Monthly written project status reports to City, newsletters	8										12
1.4	Attend City Council and or Utilities Commission meetings (up to four (4) meetings)	4									9	4
	Task 1.0 Subtotal Hours:	22	0	0	0	0	0	0	0	5	9	36
	<i>Deliverables - Project schedule, monthly progress reports and invoices, and copies of all pertinent Project correspondence.</i>											
2.0	Construction Administration											
2.1	Coordinate execution of contract documents	1				1		1			1	2
2.2	Preconstruction Conference	2			2						1	5
2.3	Weekly Construction Progress Meetings/Site Visits (assumes up to 11 meetings)	21									2	23
2.4	Review Contractor Submittals	4		1							4	7
2.5	Applications for Payment (assumes up to 4 payments)	4									4	8
2.6	Private Utility Company Coordination	1				3		3			1	8
2.7	Coordination with and sharing of information between construction administration staff and City, Mn/DOT, property owners	5									2	7
2.8	Design Support, Troubleshooting of Construction Issues, Site Meetings	11		1		4			8		0	20
	Task 2.0 Subtotal Hours:	49	1	3	4	0	0	4	8	0	11	80
	<i>Deliverables - Plans and Specifications Package/Proposal in PDF format, Engineer's Cost Estimate.</i>											
3.0	Construction Observation											
3.1	Construction Observation (assumes up to 440 hours based on 11 weeks of construction @ 40 hours per week)					360		80				440
	Task 3.0 Subtotal Hours:	0	0	0	0	360	0	80	0	0	0	440
	<i>Deliverables - Construction Documentation</i>											
4.0	Construction Staking											
4.1	Construction Staking (CL subgrade offsets, ponds, ditches, storm sewer, culverts, curb/valley gutter, silt fence, agg base bluetops)	1				18			54		4	77
	Task 4.0 Subtotal Hours:	1	0	0	0	18	0	0	54	4	0	77
	<i>Deliverables - Construction Stakes staked one (1) time each.</i>											

**2016 Fairview Road Improvements
CONSTRUCTION SERVICES
ESTIMATED REIMBURSABLE DIRECT COSTS
City of Baxter, Minnesota**

SEH, INC.

ESTIMATED MILEAGE COSTS:	NUMBER OF TRIPS	MILES/ TRIP	TOTAL MILES	
Trips				
SEH Brainerd Based Staff	70	10	700	
SEH Twin Cities Based Staff	2	270	540	
Subtotals:			1240	
	\$0.540 per mile			\$670
TRAVEL COSTS:				
	Number	Cost	Total Cost	
Hotel	0	\$0.000	\$0	
Meals	0	\$10.000	\$0	
Total			\$0	\$0
MISCELLANEOUS				
Miscellaneous Printing:			\$300	
Mailing/Postage Costs			\$100	\$400
EQUIPMENT EXPENSES				
	Number of Hours (Days)	Cost/Hr(Day)	Total Cost	
Environmental Equipment			\$500	\$500
Survey Equipment (hours)	66	\$25	\$1,650	\$1,650
Survey Truck (hours)	66	\$4.5	\$297	\$297
RPR Vehicle (days)	55	\$13	\$715	\$715
TOTAL ESTIMATED REIMBURSABLE EXPENSES:				\$4,232

Exhibit B
to Agreement for Professional Services
Between City of Baxter, Minnesota (Client)
and
Short Elliott Hendrickson Inc. (Consultant)
Dated May 31, 2016

A Listing of the Duties, Responsibilities and
Limitations of Authority of the Resident Project Representative

Through more extensive on site observations of the construction work in progress and field checks of materials and equipment by the Resident Project Representative (RPR), Consultant shall endeavor to provide further protection for Client against defects and deficiencies in the work of Contractor (Work); but, the furnishing of such services will not make Consultant responsible for or give Consultant control over construction means, methods, techniques, sequences or procedures or for safety precautions or programs, or responsibility for Contractor's failure to perform the Work in accordance with the Contract Documents. Contract Documents are the documents that govern or are pertinent to Contractor's Work including but not limited to the agreement between Client and Contractor, the Contractor's bid, the bonds, specs, Drawings*, Field Orders*, Addenda*, clarifications, interpretations, approved Shop Drawings* and reports collectively called the Contract Documents. The duties and responsibilities of the RPR are further defined as follows:

A. General

RPR is an agent of Consultant at the site, will act as directed by and under the supervision of Consultant, and will confer with Consultant regarding RPR's actions. RPR's dealings in matters pertaining to the on site work shall in general be with Consultant and Contractor keeping the Client advised as necessary. RPR's dealings with subcontractors shall only be through or with the full knowledge and approval of Contractor. RPR shall generally communicate with Client with the knowledge of and under the direction of Consultant.

B. Duties and Responsibilities of RPR

1. Schedules: Review the progress schedule, schedule of Shop Drawing submittals and schedule of values prepared by Contractor and consult with Consultant concerning acceptability.
2. Conferences and Meetings: Attend meetings with Contractor, such as preconstruction conferences, progress meetings, job conferences and other project-related meetings, and prepare and circulate copies of minutes thereof.
3. Liaison:
 - (a) Serve as Consultant's liaison with Contractor, working principally through Contractor's superintendent and assist in understanding the intent of the Contract Documents; and assist Consultant in serving as Client's liaison with Contractor when Contractor's operations affect Client's on-site operations.
 - (b) Assist in obtaining from Client additional information, when required for proper execution of the Work.
4. Shop Drawings and Samples*:
 - (a) Record date of receipt of Shop Drawings and Samples.
 - (b) Receive Samples furnished at the site by Contractor, and notify Consultant of availability of Samples.
 - (c) Advise Consultant and Contractor of the commencement of any Work requiring a Shop Drawing or sample if the submittal has not been approved by Consultant.
5. Review of Work, Observations and Tests:
 - (a) Conduct on-site observations of the Work in progress to assist Consultant in determining if the Work is in general proceeding in accordance with the Contract Documents.
 - (b) Report to Consultant whenever RPR believes that any Work is unsatisfactory, faulty or defective or does not conform to the Contract Documents, or has been damaged, or does not meet the requirements of any inspection, test or approval required to be made; and advise Consultant of

- Work that RPR believes should be corrected or rejected or should be uncovered for observation, or requires special testing, inspection or approval.
- (c) Determine if tests, equipment and systems start-ups and operating and maintenance training are conducted in the presence of appropriate personnel, and that Contractor maintains adequate records thereof; and observe, record and report to Consultant appropriate details relative to the test procedures and start-ups.
 - (d) Accompany visiting inspectors representing public or other agencies having jurisdiction over the Project, record the results of these inspections and report to Consultant.
6. Interpretation of Contract Documents: Report to Consultant when clarification and interpretations of the Contract Documents are requested by Contractor and transmit to Contractor clarifications and interpretations as issued by Consultant.
 7. Modifications: Consider and evaluate Contractor's suggestions for modifications in Drawings or Specifications* and report with RPR's recommendations to Consultant. Transmit to Contractor decisions as issued by Consultant.
 8. Records:
 - (a) Maintain at the job site orderly files for correspondence, reports of job conferences, shop drawings and samples, reproductions of original Contract Documents including all Work Change Directive*, Addenda, Change Orders*, Field Orders, additional Drawings* issued subsequent to the execution of the Contract, Consultant's clarifications and interpretations of the Contract Documents, progress reports, and other related documents.
 - (b) Keep a diary or log book, recording Contractor hours on the job site, weather conditions, data relative to questions of Work Change Directive Change Orders or changed conditions, list of job site visitors, daily activities, decisions, observations in general, and specific observations in more detail as in the case of observing test procedures; and send copies to Consultant.
 - (c) Record names, addresses and telephone numbers of all Contractors, subcontractors and major suppliers of materials and equipment.
 9. Reports:
 - (a) Furnish Consultant periodic reports as required of progress of the Work and of Contractor's compliance with the progress schedule and schedule of Shop Drawing and sample submittals.
 - (b) Consult with Consultant in advance of scheduled major tests, inspections or start of important phases of the Work.
 - (c) Draft proposed Change Orders and Work Change Directive, obtaining backup material from Contractor and recommend to Consultant Change Orders, Work Change Directive, and Field Orders.
 - (d) Report immediately to Consultant and Client upon the occurrence of any accident.
 10. Payment Requests: Review applications for payment with Contractor for compliance with the established procedure for their submission and forward with recommendations to Consultant, noting particularly the relationship of the payment requested to the schedule of values, Work completed and materials and equipment delivered at the site but not incorporated in the Work.
 11. Certificates, Maintenance and Operation Manuals: During the course of the Work, verify that certificates, maintenance and operation manuals and other data required to be assembled and furnished by Contractor are applicable to the items actually installed and in accordance with the Contract Documents, and have this material delivered to Consultant for review and forwarding to Client prior to final payment for the Work.
 12. Completion:
 - (a) Before Consultant issues a Certificate of Substantial Completion, submit to Contractor a list of observed items requiring completion or correction.
 - (b) Conduct final inspection in the company of Consultant, Client, and Contractor and prepare a final list of items to be completed or corrected.
 - (c) Observe that all items on final list have been completed or corrected and make recommendations to Consultant concerning acceptance.

C. Limitations of Authority

Resident Project Representative:

1. Shall not authorize any deviation from the Contract Documents or substitution of materials or equipment, unless authorized by Client.
2. Shall not exceed limitations of Consultant's authority as set forth in the Agreement for Professional Services.
3. Shall not undertake any of the responsibilities of Contractor, subcontractors or Contractor's superintendent.
4. Shall not advise on, issue directions regarding or assume control over safety precautions and programs in connection with the Work.
5. Shall not accept Shop Drawing or sample submittals from anyone other than Contractor.
6. Shall not authorize Client to occupy the Project in whole or in part.
7. Shall not participate in specialized field or laboratory tests or inspections conducted by others except as specifically authorized by Consultant.

*All instances in this Exhibit of this capitalized term are as defined in the EJCDC form C-700, copyrighted in 2013.

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Exhibit A-1
to Agreement for Professional Services
Between City of Baxter, Minnesota (Client)
and
Short Elliott Hendrickson Inc. (Consultant)
Dated May 31, 2016

Payments to Consultant for Services and Expenses
Using the Hourly Basis Option

The Agreement for Professional Services is amended and supplemented to include the following agreement of the parties:

A. Hourly Basis Option

The Client and Consultant select the hourly basis for payment for services provided by Consultant. Consultant shall be compensated monthly. Monthly charges for services shall be based on Consultant's current billing rates for applicable employees plus charges for expenses and equipment.

Consultant will provide an estimate of the costs for services in this Agreement. It is agreed that after 90% of the estimated compensation has been earned and if it appears that completion of the services cannot be accomplished within the remaining 10% of the estimated compensation, Consultant will notify the Client and confer with representatives of the Client to determine the basis for completing the work.

Compensation to Consultant based on the rates is conditioned on completion of the work within the effective period of the rates. Should the time required to complete the work be extended beyond this period, the rates shall be appropriately adjusted.

B. Expenses

The following items involve expenditures made by Consultant employees or professional consultants on behalf of the Client. Their costs are not included in the hourly charges made for services and shall be paid for as described in this Agreement but instead are reimbursable expenses required in addition to hourly charges for services:

1. Transportation and travel expenses.
2. Long distance services, dedicated data and communication services, teleconferences, Project Web sites, and extranets.
3. Lodging and meal expense connected with the Project.
4. Fees paid, in the name of the Client, for securing approval of authorities having jurisdiction over the Project.
5. Plots, Reports, plan and specification reproduction expenses.
6. Postage, handling and delivery.
7. Expense of overtime work requiring higher than regular rates, if authorized in advance by the Client.
8. Renderings, models, mock-ups, professional photography, and presentation materials requested by the Client.
9. All taxes levied on professional services and on reimbursable expenses.
10. Other special expenses required in connection with the Project.
11. The cost of special consultants or technical services as required. The cost of subconsultant services shall include actual expenditure plus 10% markup for the cost of administration and insurance.

The Client shall pay Consultant monthly for expenses.

C. Equipment Utilization

The utilization of specialized equipment, including automation equipment, is recognized as benefiting the Client. The Client, therefore, agrees to pay the cost for the use of such specialized equipment on the project. Consultant invoices to the Client will contain detailed information regarding the use of specialized equipment on the project and charges will be based on the standard rates for the equipment published by Consultant.

The Client shall pay Consultant monthly for equipment utilization.

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General Conditions of the Agreement for Professional Services

SECTION I – SERVICES OF CONSULTANT

A. General

1. Consultant agrees to perform professional services as set forth in the Agreement for Professional Services or Supplemental Letter Agreement ("Basic Services"). Nothing contained in this Agreement shall create a contractual relationship with or a cause of action in favor of a third party against either the Client or the Consultant. The Consultant's services under this Agreement are being performed solely for the Client's benefit, and no other party or entity shall have any claim against the Consultant because of this Agreement or the performance or nonperformance of services hereunder.

B. Schedule

1. Unless specific periods of time or dates for providing services are specified, Consultant's obligation to render services hereunder will be for a period which may reasonably be required for the completion of said services.
2. If Client has requested changes in the scope, extent, or character of the Project or the services to be provided by Consultant, the time of performance and compensation for Consultant's services shall be adjusted equitably. The Client agrees that Consultant is not responsible for damages arising directly or indirectly from delays beyond Consultant's control. If the delays resulting from such causes increase the cost or the time required by Consultant to perform its services in accordance with professional skill and care, then Consultant shall be entitled to a equitable adjustment in schedule and compensation.

C. Additional Services

1. If Consultant determines that any services it has been directed or requested to perform are beyond the scope as set forth in the Agreement or that, due to changed conditions or changes in the method or manner of administration of the Project, Consultant's effort required to perform its services under this Agreement exceeds the stated fee for Basic Services, then Consultant shall promptly notify the Client regarding the need for additional services. Upon notification and in the absence of a written objection, Consultant shall be entitled to additional compensation for the additional services, and to an extension of time for completion of additional services absent written objection by Client.
2. Additional services shall be billed in accord with agreed upon rates, or if not addressed, then at Consultant's standard rates.

D. Suspension and Termination

1. If Consultant's services are delayed or suspended in whole or in part by Client, or if Consultant's services are delayed by actions or inactions of others for more than 60 days through no fault of Consultant, then Consultant shall be entitled to either terminate its agreement upon 7 days written notice or, at its option, accept an equitable adjustment of rates and amounts of compensation provided for elsewhere in this Agreement to reflect reasonable costs incurred by Consultant.
2. This Agreement may be terminated by either party upon seven days written notice should the other party fail substantially to perform in accordance with its terms through no fault of the party initiating the termination.
3. This Agreement may be terminated by either party upon thirty days' written notice without cause. All provisions of this Agreement allocating responsibility or liability between the Client and Consultant shall survive the completion of the services hereunder and/or the termination of this Agreement.
4. In the event of termination, Consultant shall be compensated for services performed prior to termination date, including charges for expenses and equipment costs then due and all termination expenses.

SECTION II – CLIENT RESPONSIBILITIES

A. General

1. The Client shall, in proper time and sequence and where appropriate to the Project, at no expense to Consultant, provide full information as to Client's requirements for the services provided by Consultant and access to all public and private lands required for Consultant to perform its services.
2. The Consultant is not a municipal advisor and therefore Client shall provide its own legal, accounting, financial and insurance counseling and other special services as may be required for the Project. Client shall provide to Consultant all data (and professional interpretations thereof) prepared by or services performed by others pertinent to Consultant's services, including but not limited to, previous reports; sub-surface explorations; laboratory tests and inspection of samples; environmental assessment and impact statements, surveys, property descriptions; zoning, deed and other land use restrictions; as-built drawings, electronic data base and maps. The costs associated with correcting, creating or recreating any data that is provided by the Client that contains inaccurate or unusable information shall be the responsibility of the Client.
3. Client shall provide prompt written notice to Consultant whenever the Client observes or otherwise becomes aware of any changes in the Project or any defect in Consultant's services. Client shall promptly examine all studies, reports, sketches, opinions of construction costs, specifications, drawings, proposals, change orders, supplemental agreements and other documents presented by Consultant and render the necessary decisions and instructions so that Consultant may provide services in a timely manner.
4. Client shall require all utilities with facilities within the Client's Project site to locate and mark said utilities upon request, relocate and/or protect said utilities as determined necessary to accommodate work of the Project, submit a schedule of the necessary relocation/protection activities to the Client for review and comply with agreed upon schedule. Consultant shall not be liable for damages which arise out of Consultant's reasonable reliance on the information or services furnished by utilities to Client or others hired by Client.
5. Consultant shall be entitled to rely on the accuracy and completeness of information or services furnished by the Client or others employed by the Client and shall not be liable for damages arising from reasonable reliance on such materials. Consultant shall promptly notify the Client if Consultant discovers that any information or services furnished by the Client is in error or is inadequate for its purpose.

SECTION III – PAYMENTS

A. Invoices

1. Undisputed portions of invoices are due and payable within 30 days. Client must notify Consultant in writing of any disputed items within 15 days from receipt of invoice. Amounts due Consultant will be increased at the rate of 1.0% per month (or the maximum rate of interest permitted by law, if less) for invoices 30 days past due. Consultant reserves the right to retain Instruments of Service until all invoices are paid in full. Consultant will not be liable for any claims of loss, delay, or damage by Client for reason of withholding services or Instruments of Service until all invoices are paid in full. Consultant shall be entitled to recover all reasonable costs and disbursements, including reasonable attorney's fees, incurred in connection with collecting amounts owed by Client.
2. Should taxes, fees or costs be imposed, they shall be in addition to Consultant's agreed upon compensation.
3. Notwithstanding anything to the contrary herein, Consultant may pursue collection of past due invoices without the necessity of any mediation proceedings.

SECTION IV – GENERAL CONSIDERATIONS

A. Standards of Performance

1. The standard of care for all professional engineering and related services performed or furnished by Consultant under this Agreement will be the care and skill ordinarily exercised by members of Consultant's profession practicing under similar circumstances at the same time and in the same locality. Consultant makes no warranties, express or implied, under this Agreement or otherwise, in connection with its services.
2. Consultant neither guarantees the performance of any Contractor nor assumes responsibility for any Contractor's failure to furnish and perform the work in accordance with its construction contract or the construction documents prepared by Consultant. Client acknowledges Consultant will not direct, supervise or control the work of construction contractors or their subcontractors at the site or otherwise. Consultant shall have no authority over or responsibility for the contractor's acts or omissions, nor for its means, methods or procedures of construction. Consultant's services do not include review or evaluation of the Client's, contractor's or subcontractor's safety measures, or job site safety or furnishing or performing any of the Contractor's work.
3. If requested in the scope of a Supplemental Letter Agreement, then Consultant may provide an Opinion of Probable Construction Cost. Consultant's Opinions of Probable Construction Cost provided for herein are to be made on the basis of Consultant's experience and qualifications and represent Consultant's best judgment as a professional generally familiar with the industry. However, since Consultant has no control over the cost of labor, materials, equipment or service furnished by others, or over the Contractor's methods of determining prices, or over competitive bidding or market conditions, Consultant cannot and does not guarantee that proposals, bids or actual construction cost will not vary from Opinions of Construction Cost prepared by Consultant. If Client wishes greater assurance as to probable Construction Cost, Client shall employ an independent cost estimator or negotiate additional services and fees with Consultant.

B. Indemnity for Environmental Issues

1. Consultant is not a user, generator, handler, operator, arranger, storer, transporter or disposer of hazardous or toxic substances, therefore the Client agrees to hold harmless, indemnify and defend Consultant and Consultant's officers, directors, subconsultant(s), employees and agents from and against any and all claims, losses, damages, liability and costs, including but not limited to costs of defense, arising out of or in any way connected with, the presence, discharge, release, or escape of hazardous or toxic substances, pollutants or contaminants of any kind at the site.

C. Limitations on Consultant's Liability

1. The Client hereby agrees that to the fullest extent permitted by law, Consultant's total liability to the Client for any and all injuries, claims, losses, expenses, or damages whatsoever arising out of or in any way related to the Project or this Agreement from any cause or causes including, but not limited to, Consultant's negligence, errors, omissions, strict liability, breach of contract or breach of warranty shall not exceed one million dollars (\$1,000,000). In the event Client desires limits of liability in excess of those provided in this paragraph, Client shall advise Consultant in writing and agree that Consultant's fee shall increase by 1% for each additional million dollars of liability limits, up to a maximum limit of liability of five million dollars (\$5,000,000).
2. Neither Party shall be liable to the other for consequential damages, including, without limitation, lost rentals, increased rental expenses, loss of use, loss of income, lost profit, financing, business and reputation and for loss of management or employee productivity, incurred by one another or their subsidiaries or successors, regardless of whether such damages are foreseeable and are caused by breach of contract, willful misconduct, negligent act or omission, or other wrongful act of either of them.
3. It is intended by the parties to this Agreement that Consultant's services shall not subject Consultant's employees, officers or directors to any personal legal exposure for the risks associated with this Agreement. The Client agrees that as the Client's sole

and exclusive remedy, any claim, demand or suit shall be directed and/or asserted only against Consultant, and not against any of Consultant's individual employees, officers or directors, and Client knowingly waives all such claims against Consultant individual employees, officers or directors.

D. Assignment

1. Neither party to this Agreement shall transfer, sublet or assign any rights under, or interests in, this Agreement or claims based on this Agreement without the prior written consent of the other party. Any assignment in violation of this subsection shall be null and void.

SECTION V – DISPUTE RESOLUTION

A. Mediation

1. Any dispute between Client and Consultant arising out of or relating to this Agreement or services provided under this Agreement, (except for unpaid invoices which are governed by Section III), shall be submitted to nonbinding mediation as a precondition to litigation unless the parties mutually agree otherwise. Mediation shall occur within 60 days of a written demand for mediation unless Consultant and Client mutually agree otherwise.

B. Litigation – Choice of Venue and Jurisdiction

1. Any dispute not settled through mediation shall be settled through litigation in the state where the Project at issue is located.

SECTION VI – INTELLECTUAL PROPERTY

A. Proprietary Information

1. All documents, including reports, drawings, calculations, specifications, CADD materials, computers software or hardware or other work product prepared by Consultant pursuant to this Agreement are Consultant's Instruments of Service ("Instruments of Service") and Consultant retains all ownership interests in Instruments of Service, including all available copyrights.
2. Consultant shall retain all of its rights in its proprietary information including, without limitation, its methodologies and methods of analysis, ideas, concepts, expressions, inventions, know how, methods, techniques, skills, knowledge and experience possessed by Consultant prior to, or acquired by Consultant during, the performance of this Agreement and the same shall not be deemed to be Work Product or Work for Hire and Consultant shall not be restricted in any way with respect thereto.

B. Client Use of Instruments of Service

1. Provided that Consultant has been paid in full for its services, Client shall have the right in the form of a license to use Instruments of Service resulting from Consultant's efforts on the Project. Consultant shall retain full rights to electronic data and the drawings, specifications, including those in electronic form, prepared by Consultant and its subconsultants and the right to reuse component information contained in them in the normal course of Consultant's professional activities. Consultant shall be deemed to be the author of such Instruments of Service, electronic data or documents, and shall be given appropriate credit in any public display of such Instruments of Service.
2. Records requests or requests for additional copies of Instruments of Services outside of the scope of services are available to Client subject to Consultant's current rate schedule.

C. Reuse of Documents

1. All Instruments of Service prepared by Consultant pursuant to this Agreement are not intended or represented to be suitable for reuse by the Client or others on extensions of the Project or on any other Project. Any reuse of the Instruments of Service without written consent or adaptation by Consultant for the specific purpose intended will be at the Client's sole risk and without liability or legal exposure to Consultant; and the Client shall release Consultant from all claims arising from such use. Client shall also defend, indemnify and hold harmless Consultant from all claims, damages, losses and expenses including attorneys' fees arising out of or resulting from reuse of Consultant documents without written consent.



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2016 Chip Seal Project

Date: June 1, 2016
To: Baxter Utilities Commission
From: Mike Rardin, PE *MR*
Cc: Trevor Walter, PE – City Engineer/Public Works Director
Subject: Project Update
 2016 Chip Seal Project

Work Completed - Second Update

A pre-construction conference was held Wednesday, May 4, 2016. The contractor requested an early June start date. City staff reviewed and denied the request since required city maintenance work (manhole rehabilitation) could not be completed soon enough to accommodate the early start request.

The city requested costs to sealcoat the public works facility parking lot. Contract prices suggested that could be done for about \$20,000. The contractor stated this work would be more costly than street sealcoating and on May 25, 2016 provided a quote of \$62,984 to perform this work. City staff withdrew their request to do this work in 2016 and is considering including it in the 2017 sealcoat project.

Project Schedule and Completion

The project is currently on schedule with no delays anticipated. The following schedule and completion requirements were incorporated into this project:

1. Construction operations are not to be started prior to Tuesday, July 5, 2016, except stockpiling of aggregate materials.
2. The contractor is to notify the City of their proposed work schedule at least five (5) working days in advance of beginning work.
3. All seal coat, fog, and interim pavement marking work required under this Contract is to be completed no later than August 15, 2016 and within ten (10) working days from project initiation.
4. All construction operations are to be completed no later than August 26, 2016.

Engineering Costs

The City contracted with BMI for design services for this project in early March. Because the City was uncertain over Franchise Fee creation and street maintenance funding during late February and early March, construction services were not contracted for by the City. Design services were completed by BMI with the submittal of project plans and specifications to the County on March 7, 2016.

On April 12, 2016, a proposal for construction Observation Services was submitted to the City in the amount of \$11,000. The cost proposed is higher than what would normally be expected on this type of project. This is based on past experience associated with this Contractor. If the Contractor performs in an expedient manner, we would expect costs to be much less than the \$11,000 proposed. Last year construction observation costs for this work with this same Contractor totaled \$11,077. The contract contains provisions to assess the Contractor charges for failure to complete this work in a timely manner (time limits described above). The County was informed prior to the bidding process the City will be expecting the contractor to satisfactorily complete the project within the contract time provided or damages will be assessed the contractor.

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Golf Course Drive Improvement Project

Date: June 1, 2016
To: Baxter Utilities Commission
From: Mike Rardin, PE *MR*
Cc: Trevor Walter, PE – City Engineer/Public Works Director
Subject: Review and Recommend Plans and Specifications
Golf Course Drive Improvement Project

Work Progress - Second Update

The improvement Hearing for this project was held on May 5, 2016 - about 10 persons attended. Questions were answered and there was general support for the project as proposed. Access and visitor parking during construction were expressed as concerns by residents of the Country Club Estates Homeowners Association. Council was provided a project update at their May 17, 2016 meeting at which time they ordered the project and preparation of final plans and specifications for the project. Final plans and specifications are complete and suitable for bidding purposes pending city review and approval.

Plan Details

The following summarizes the final plans proposed for this project:

1. Project begins on the south side of Excelsior Road and ends at the south side of Woida Road
2. Full Depth Reclamation - Excelsior Road to Universal Road
- Links Lane to Woida Road
3. Complete Reconstruction - Universal Road to Links Lane
4. Storm Sewer Replacement (same diameter) - Universal Road to Links Lane
- 240' west on Universal Road
5. Spot concrete curb replacement in FDR areas
6. Curb & gutter entire project length
7. Replace all catch basin castings and grates
8. Rehabilitate all catch basins
9. Salvage and reinstall 66" RCP Storm Sewer beneath Golf Course Drive to the outlet
10. Remove the 30" culvert and embankment approximately 700 ft. east of Golf Course Drive
11. Sign and stripe 5' wide bike lanes
12. Widths:
 - a. traffic lanes - 11'
 - b. bike lanes - 5'
 - c. curb to curb - 36'
13. Pavement - 10 ton design
14. storm sewer - 10-yr design frequency (city standard)
15. Pedestrian Facilities - ADA compliant
16. South pedestrian crossing (Mills Motors) - removed
17. Meets MnDOT State Aid Standards



Specification Requirements

The following is a listing of significant contract requirements:

1. Bids good for 60 days
2. Contract completion time:
 - a. Substantial Completion - September 30
 - b. Final Completion - October 14
3. Liquidated Damages - \$1,000 / day
4. Working Hours - 7 am to 10 pm, Monday through Friday
5. No work on weekends or government holidays without prior approval
6. Contractor required to local maintain traffic
7. Clearwater Rd to be closed one day for storm sewer construction
8. Property Access - entrances to remain open except for short periods
9. Notice to be provided property owners / residents (door hanger) before access restrictions
10. Contractor required to provide a traffic control plan
11. All traffic controls as per MN MUTCD supplied by the Contractor
12. Storm sewer to remain operational during reconstruction
13. Pavement markings to be latex paint
14. Turf - 30 day maintenance period

Project Schedule

The project has been delayed approximately four (4) weeks due to considering the possible relocation of the storm sewers on the Mill's site. However, the project is still on schedule for 2016 construction. It should be noted that due to limited time available to develop this project, timeframes for some tasks has been compressed. In particular:

1. Council is being asked to approve final plans just prior to Commission review. It is understood that any plan or specification revisions the Commission feels are necessary, will be incorporated into the final plan set and specifications for this project.
2. Normal city practice has been to declare costs to be assessed, approve the preparation of assessments, and conduct an assessment hearing after bids have been received. This provides a comfort level where the city can stop the project should bid costs come in higher than anticipated. Once actual costs are known, the assessment process is undertaken. In this case, doing that extends the project time at least six weeks making 2016 difficult, if not impossible, to achieve.

To compress project development time, it is proposed to begin the assessment process using estimated project costs based on the recently updated Feasibility Report. Based on this proposed timeline, bids would be received on July 5, 2017, bid review by the Utility Commission on July 6, 2017, and bid amounts utilized for the assessment hearing proposed for July 7, 2016. Should bid and assessment costs be higher than anticipated or desired, the project can be delayed or cancelled. This allows for financial control desired by the city and residents, yet expedites the project process so 2016 construction may be maintained.

Assuming bids are reasonable (at or below the Engineer's estimate) and assessment hearing results are acceptable, Council will be in a position to consider adopting assessments and awarding a contract for this project on July 19, 2016. Construction of this proposed project is estimated to take approximately six to eight weeks.



The following is a summary of major activities proposed to move this project forward:

Approve Plans and Authorize Advertisement for Bid (resolution)	Tuesday, June 7
Declare Cost to be Assessed, Order Assessment Preparation (resolution)	Tuesday, June 7
Order Assessment Hearing (resolution)	Tuesday, June 7
Review and Comment on Final Plans and Specifications	Wednesday, June 8
Advertise for Bids	Friday, June 10
Bid Opening	Tuesday, July 5
Assessment Hearing	Thursday, July 7
Adopt Assessment Rolls	Tuesday, July 19
Award Contract (contingent on no objections to assessments)	Tuesday, July 19

Completion Dates

The revised schedule attached allows for project completion during the first half of October. Further delays to the project will likely cause construction to be delayed to 2017. It is estimated that it will take approximately six to eight weeks to construct this project.

Easements

No easements or right of way acquisition are anticipated for this project as it is currently proposed.

Costs

The City should be aware that the work associated with the possible sewer relocations has resulted in extra work and costs. The City Council was appraised of the estimated costs for this extra work, the sewer inspection costs, and the sewer capacity analysis costs at their meeting on March 3rd. An amendment to the agreement based on those discussions will be provided for approval in the near future.

Other work on the project has been continuing as agreed to according to the existing "Not to Exceed" contract.

Attached:

1. Final Plans

**GOLF COURSE DRIVE
EXCELSIOR ROAD TO WOIDA ROAD
PLAN and SPECIFICATION APPROVAL
JUNE 6, 2016**



CITY OF BAXTER, MINNESOTA

OVERVIEW

- Proposed Project
 - Layouts (3)
- Typical Sections
 - FDR Segments
 - Reconstruction Segment
- Plan Details
- Specification Requirements
- Estimated Costs
- Schedule
- Questions

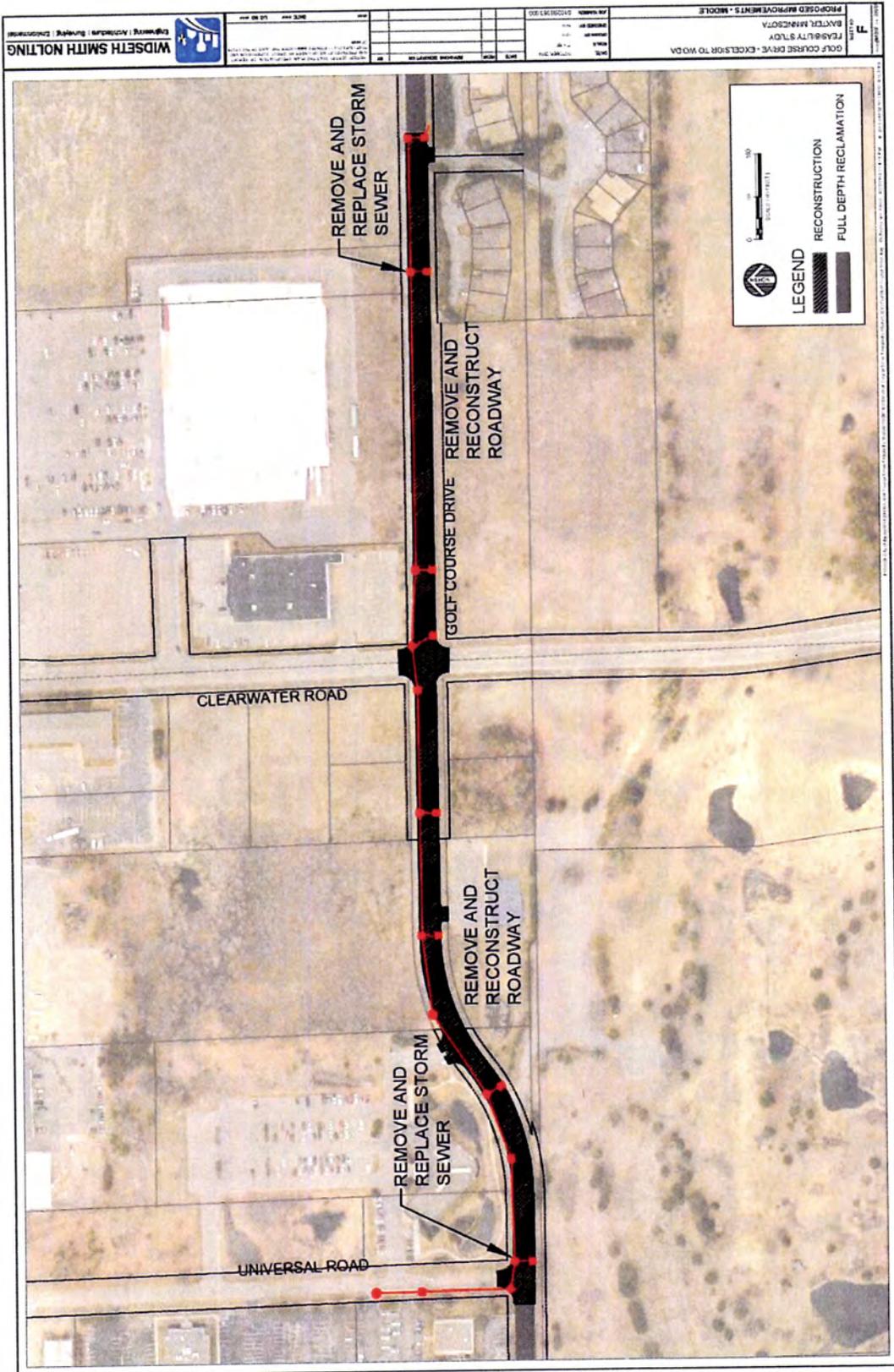


Proposed Project

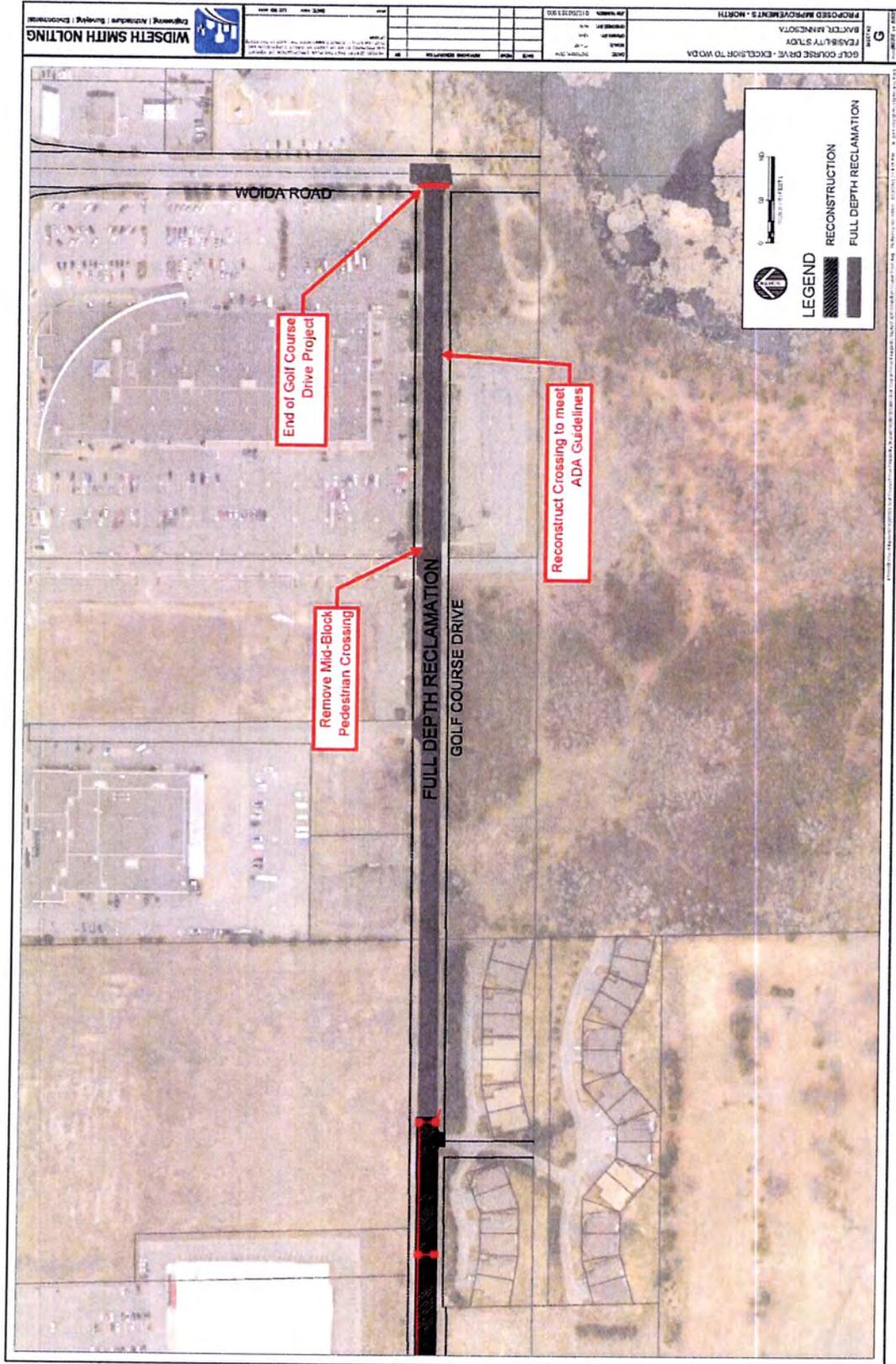
- Excelsior Road to Universal Road
 - Full Depth Reclamation
- Universal Road to Country Club Estates
 - Complete Street Reconstruction
 - HDPE Storm Sewer Pipe Replacement
- Country Club Estates to Woida Road
 - Full Depth Reclamation



Layout 2



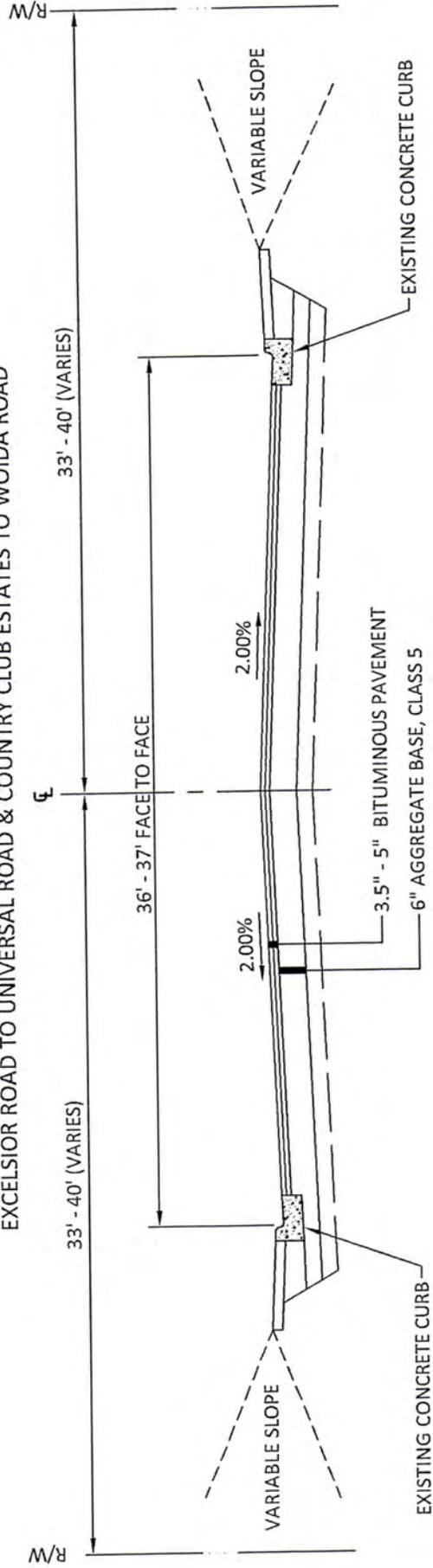
Layout 3



Existing Conditions – FDR Area

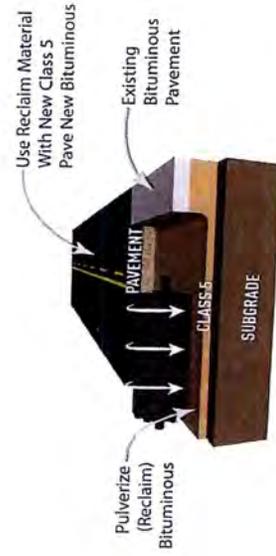
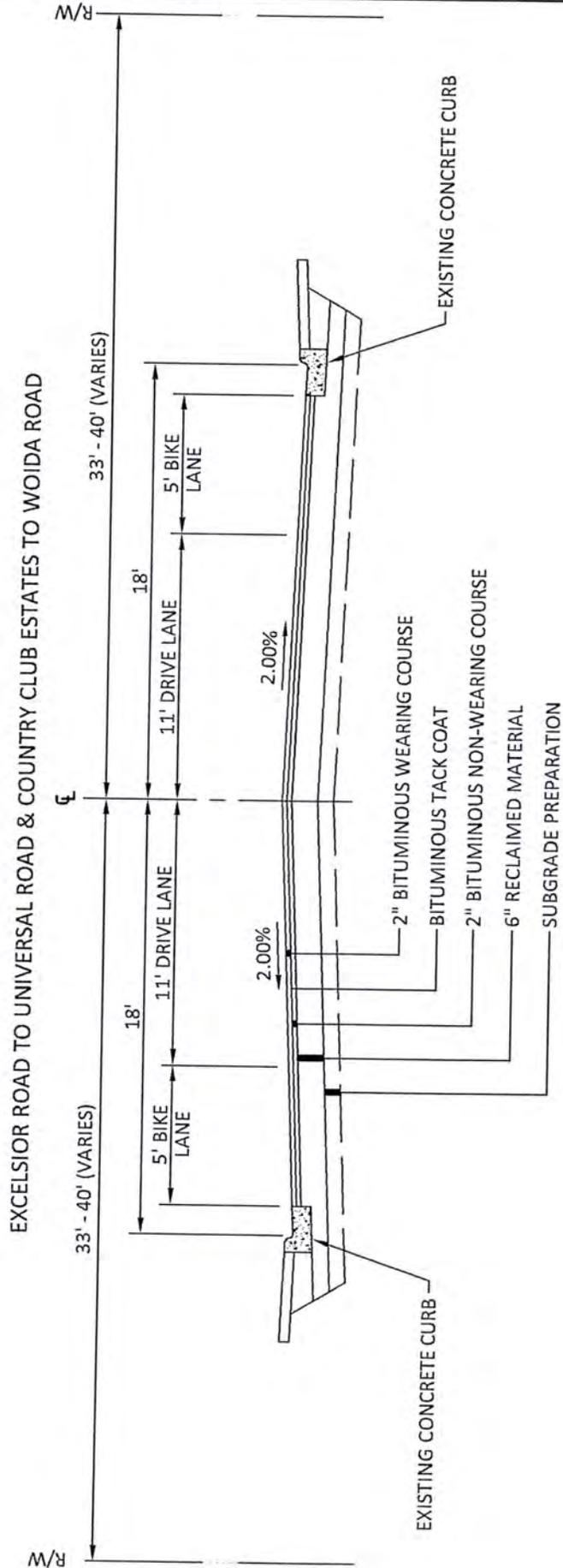
EXISTING FULL DEPTH RECLAMATION SECTION

EXCELSIOR ROAD TO UNIVERSAL ROAD & COUNTRY CLUB ESTATES TO WOIDA ROAD



Proposed Improvements – FDR Area

TYPICAL FULL DEPTH RECLAMATION SECTION

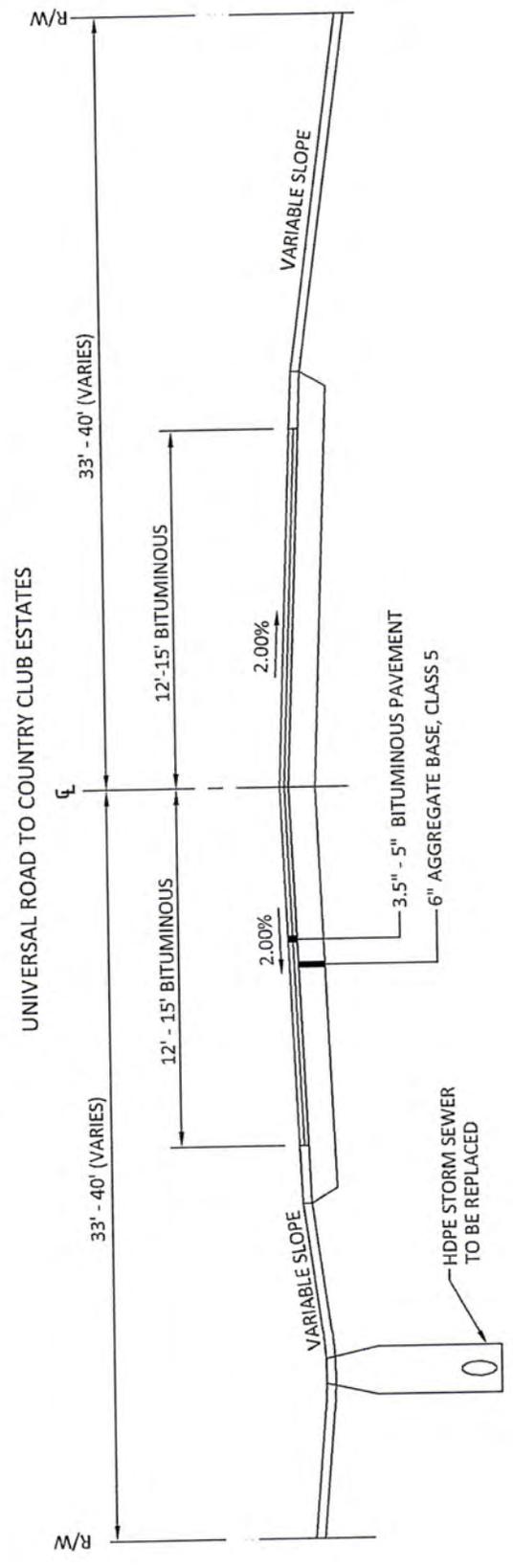


- Spot concrete curb replacement
- Replace catch basin grates
- Sign and stripe bike lane



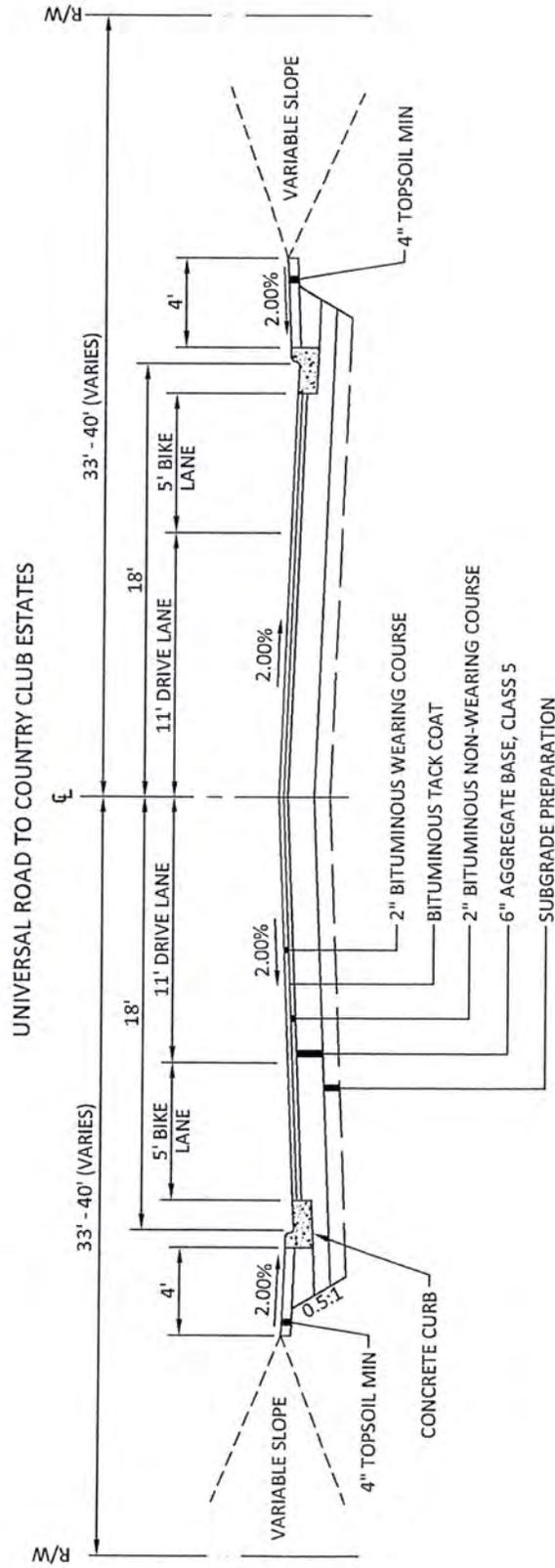
Existing Conditions – Reconstruction Area

EXISTING RECONSTRUCTION AREA TYPICAL SECTION



Proposed Improvements – Reconstruction Area

TYPICAL RECONSTRUCTION SECTION



Plan Details

- Meets MnDOT State Aid Standards
- Pedestrian Facilities - ADA Compliant
- South pedestrian crossing (Mills Motors) – to be removed
- Pavement - 10 Ton Design
- Storm Sewer - Replaced with RCP same Diameter (10-yr freq design)
- Bike Lanes – Signed and striped to a 5' width
- Street Signs - Salvage and Reinstall (where necessary)
- Catch Basins - Rehabilitate all
- Catch Basin Castings and Grates – Replace all
- Curb & Gutter – spot replacements



Specification Requirements

- Bids good for 60 days
- Contract completion
 - Substantial Completion - September 30
 - Final Completion – October 14
- Liquidated Damages - \$1,000 / day
- Working Hours - 7 am to 10 pm, Monday through Friday;
- No work on weekends or government holidays without prior approval
- Contractor required to maintain local traffic
- Clearwater Rd to be closed one day for storm sewer construction
- Property Access - entrances to remain open except for short periods
- Notices to be provided to property owners / residents (door hanger) before access restrictions



Specification Requirements

- Contractor required to provide a traffic control plan
- All traffic controls as per MN MUTCD supplied by the Contractor
- Storm sewer to remain operational during reconstruction
- Pavement markings to be latex paint
- Turf - 30 day maintenance period



Estimated Costs

- Full Depth Reclamation = \$424,560
- Street Reconstruction = \$453,718
- Storm Sewer Replacement = \$490,806
- Total Estimated Project Cost = \$1,369,084



Schedule

- Council adopts resolution approving plans and specifications and authorizing advertisement for bids (June 7th)
- Council adopts resolutions declaring costs to be assessed and ordering the assessment hearing (June 7th)
- Advertise for Bids (June 10 thru June 24)
- Bid opening (July 5th)
- Assessment Hearing – with bid prices (July 7th)
- Council passes resolution adopting the assessment roll (July 19th)
- Council awards construction contract (July 19th)
- Begin construction (August 2016)
- Construction complete (October 2016)



Questions?

Thank You!

- **Mike Rardin, P.E.**
Bolton & Menk – Senior Project Manager
michaelra@bolton-menk.com
218-825-0684
- **Bryan Drown, P.E.**
Bolton & Menk - Project Engineer
bryandr@bolton-menk.com
218-825-0684





MEMO

Date: June 1, 2016
To: **Baxter Utilities Commission**
From: Aric Welch
Cc: Trevor Walter
Project Name: 2016 Mill and Overlay, FDR and Turn Lane Improvements
Project No.: 0102B0379.000
Subject: **Project Update**

Brainerd/Baxter
7804 Industrial Park Road
PO Box 2720
Baxter, MN 56425-2720

218.829.5117
218.829.2517
Brainerd@wsn.us.com

WidsethSmithNolting.com

Summary of Work Completed Since Last Update

Bids were opened on Tuesday, May 17, 2016. Two bids were received with Tri-City being the apparent low bidder. Results of the bids and corresponding project costs and assessments are shown in the attached letter dated May, 18, 2016.

The City Council reviewed the bids at a special Council meeting on May 24, 2016 and made a motions to prepare the assessment rolls and hold the Assessment Hearing on Monday, June 13, 2016.

Project Schedule

Assessment Hearing:	June 13, 2016
Anticipated Construction Start:	July 2016
Substantial Completion:	August 12, 2016
Final Completion:	August 26, 2016

Changes

John Street

- A discussion with a property owner resulted in the discovery of a buried culvert pipe under the driveway. Discussions with City staff indication the pipe was likely installed by the City to carry drainage from the south side of John Street to the low area along Inglewood Drive. The pipe has since been silted in and drainage from the right-of-way is running over the driveway and across private property. It is recommended the culvert be replaced with the project.



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June 1, 2016

Mayor and City Council
City of Baxter
13190 Memorywood Drive
Baxter, MN 56425

Re: Award Recommendation
2016 Mill & Overlay, Full Depth Reclamation and Turn Lane Improvements
Municipal Project Number 4416
WSN 0102B0379.000

Dear Mayor and City Council:

Pursuant to authority of the City Council and after proper legal advertisement, bids for the above referenced project were obtained at 11:00 A.M., in the Baxter City Hall on Tuesday, May 17, 2016.

The following two bids were received:

Tri-City Paving, Inc.	\$806,167.45
Anderson Brothers Construction Company	\$912,603.17

Engineer's Estimate	\$1,061,125.75
---------------------	----------------

All bids were conforming to the plans, specifications and advertisement and no errors were found. A discussion of the project costs and associated assessments is contained in our letter dated May 18, 2016.

Tri-City Paving, Inc.'s bid was significantly lower than the Engineer's Estimate and second low bid. This raised some concerns that something was possibly missed or the bid contained an error which led us to discuss this concern with Dan Surma from Tri-City Paving, Inc. Mr. Serma assured us their bid was correct and they intend to honor the unit bid prices (see attached email dated Monday May 23, 2016).

If the Council decides to move forward with the project after the assessment hearing, we recommend the contract be awarded to Tri-City Paving, Inc., the lowest responsive and responsible bidder, on the basis of the unit prices as listed in the Bid Form and Bid Tabulation. We have retained all bid bonds and the original bid forms of the two lowest bidders. The following are enclosed for the City's files:

- Copy of the Bid Tabulation
- Original bidding documents of the remaining bidder

If you have any questions regarding the award process, project costs or bids please do not hesitate to give us a call.

Sincerely,

WIDSETH SMITH NOLTING

Aric Welch, P.E.

Enc.

Cc. Trevor Walter, City of Baxter
WSN File

Aric Welch

From: Dan <dan@tri-citypaving.com>
Sent: Monday, May 23, 2016 8:41 AM
To: Aric Welch
Subject: baxter overlays

We are enthusiastic and honored to accept the award of the 2016 mill and overlay project .
Thank you DANIEL J. SURMA VP

TABULATION OF BIDS

WIDSETH SMITH NOLTING
7804 Industrial Park Road, Baxter, MN 56425

NAME: 2016 MILL AND OVERLAY, FULL DEPTH RECLAMATION AND TURN LANE IMPROVEMENT PROJECT
MUNICIPAL PROJECT NUMBER 4416

PHONE 218-829-5117

CLIENT: City of Baxter
PROJECT NO: 0102B0379.000

DATE: May 17, 2016
TIME: 11:00 A.M.

ITEM NO.	SPEC NO	ITEM DESCRIPTION	CONTRACT QUANTITY	UNIT	ENGINEER'S ESTIMATE			Anderson Brothers Construction Company of Brainerd LLC 11325 Highway 210 East, P.O. Box 668 Brainerd, MN 56401		
					UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
1	2021.501	MOBILIZATION	1	LUMP SUM	\$35,500.00	\$35,500.00	\$35,000.00	\$35,000.00	\$42,000.00	\$42,000.00
2	2101.502	CLEARING	5	TREE	\$275.00	\$1,375.00	\$100.00	\$500.00	\$415.00	\$2,075.00
3	2101.507	GRUBBING	5	TREE	\$275.00	\$1,375.00	\$100.00	\$500.00	\$415.00	\$2,075.00
4	2102.502	PAVEMENT MARKING REMOVAL-PERMANENT	480	LIN FT	\$1.50	\$720.00	\$3.00	\$1,440.00	\$2.00	\$960.00
5	2104.501	REMOVE SEWER PIPE (STORM)	51	LIN FT	\$612.00	\$31,212.00	\$25.00	\$1,275.00	\$17.50	\$892.50
6	2104.501	REMOVE CURB AND GUTTER	1287	LIN FT	\$7.00	\$9,009.00	\$4.00	\$5,188.00	\$7.25	\$9,403.25
7	2104.501	REMOVE SANITARY SERVICE PIPE	46	LIN FT	\$8.00	\$368.00	\$25.00	\$1,150.00	\$13.25	\$609.50
8	2104.501	REMOVE WATER SERVICE PIPE	46	LIN FT	\$8.00	\$368.00	\$25.00	\$1,150.00	\$13.25	\$609.50
9	2104.505	REMOVE CONCRETE PAVEMENT	130	SQ YD	\$10.00	\$1,300.00	\$10.00	\$1,300.00	\$9.95	\$1,293.50
10	2104.505	REMOVE BITUMINOUS PAVEMENT	1850	SQ YD	\$5.00	\$9,250.00	\$1.00	\$1,850.00	\$3.90	\$7,215.00
11	2104.509	REMOVE CASTING	13	EACH	\$250.00	\$3,250.00	\$200.00	\$2,600.00	\$100.00	\$1,300.00
12	2104.509	REMOVE CURB STOP AND BOX	2	EACH	\$400.00	\$800.00	\$500.00	\$1,000.00	\$195.00	\$390.00
13	2104.509	REMOVE SANITARY CLEANOUT	2	EACH	\$200.00	\$400.00	\$500.00	\$1,000.00	\$165.00	\$330.00
14	2104.509	REMOVE DRAINAGE STRUCTURE	1	EACH	\$300.00	\$300.00	\$1,000.00	\$1,000.00	\$415.00	\$415.00
15	2104.511	SAWING CONCRETE PAVEMENT (FULL DEPTH)	263	LIN FT	\$6.00	\$1,578.00	\$3.00	\$789.00	\$5.50	\$1,446.50
16	2104.511	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	2216	LIN FT	\$2.50	\$5,540.00	\$1.00	\$2,216.00	\$1.70	\$3,767.20
17	2104.523	SALVAGE SIGN TYPE C	4	EACH	\$35.00	\$140.00	\$30.00	\$120.00	\$33.00	\$132.00
18	2104.601	RELOCATE MAILBOXES AND SUPPORT	1	LUMP SUM	\$500.00	\$500.00	\$100.00	\$100.00	\$650.00	\$650.00
19	2104.601	RELOCATE BUILDING SIGN	1	LUMP SUM	\$4,000.00	\$4,000.00	\$2,000.00	\$2,000.00	\$6,750.00	\$6,750.00
20	2104.601	SALVAGE IRRIGATION EQUIPMENT	1	LUMP SUM	\$600.00	\$600.00	\$2,000.00	\$2,000.00	\$1,100.00	\$1,100.00
21	2105.501	COMMON EXCAVATION	1440	CU YD	\$14.00	\$20,160.00	\$10.00	\$14,400.00	\$13.75	\$19,800.00
22	2105.604	DITCH EXCAVATION	835	SQ YD	\$20.00	\$16,700.00	\$3.00	\$2,505.00	\$12.00	\$10,020.00
23	2211.503	AGGREGATE BASE (CV) CLASS 5	280	CU YD	\$25.00	\$7,000.00	\$20.00	\$5,600.00	\$28.50	\$7,980.00
24	2112.603	RECLAIMED AGGREGATE BASE PREPARATION	20	ROAD STA	\$200.00	\$4,000.00	\$100.00	\$2,000.00	\$725.00	\$14,500.00
25	2123.610	STREET SWEEPER (TYPE WET PICKUP)	23	HOURL	\$125.00	\$2,875.00	\$50.00	\$1,150.00	\$125.00	\$2,875.00
26	2130.501	WATER	100	M GAL	\$40.00	\$4,000.00	\$10.00	\$1,000.00	\$50.00	\$5,000.00
27	2215.501	FULL DEPTH RECLAMATION	9460	SQ YD	\$2.00	\$18,920.00	\$1.00	\$9,460.00	\$1.05	\$9,933.00
28	2232.501	MILL BITUMINOUS SURFACE (1.5")	62338	SQ YD	\$2.75	\$171,429.50	\$1.00	\$62,338.00	\$1.10	\$68,571.80
29	2302.604	BITUMINOUS DRIVEWAY REPLACEMENT	68	SQ YD	\$12.00	\$816.00	\$10.00	\$680.00	\$53.00	\$3,604.00
30	2302.618	SPOT FULL DEPTH REPAIR	1010	SQ YD	\$15.00	\$15,150.00	\$10.00	\$10,100.00	\$40.00	\$40,400.00
31	2360.501	TYPE SP 9.5 WEARING COURSE MIXTURE (2,B)	7170	TON	\$52.50	\$376,425.00	\$40.00	\$286,800.00	\$43.00	\$308,310.00
32	2360.501	TYPE SP 9.5 WEARING COURSE MIXTURE (2,C)	2615	TON	\$55.00	\$143,825.00	\$47.00	\$122,905.00	\$48.00	\$125,520.00
33	2503.541	12" RC PIPE SEWER DESIGN 3006 CLASS V	47	LIN FT	\$32.00	\$1,504.00	\$50.00	\$2,350.00	\$65.00	\$3,055.00
34	2503.541	15" RC PIPE SEWER DESIGN 3006 CLASS V	51	LIN FT	\$35.00	\$1,785.00	\$50.00	\$2,550.00	\$65.00	\$3,315.00
35	2503.602	MANHOLE ADJUSTING RINGS	20	EACH	\$250.00	\$5,000.00	\$50.00	\$1,000.00	\$225.00	\$4,500.00
36	2503.602	CONNECT TO EXISTING SANITARY SEWER SERVICE	1	EACH	\$500.00	\$500.00	\$1,000.00	\$1,000.00	\$165.00	\$165.00
37	2503.602	CONNECT TO EXISTING WATER SERVICE	2	EACH	\$500.00	\$1,000.00	\$1,000.00	\$2,000.00	\$225.00	\$450.00
38	2504.601	INSTALL IRRIGATION EQUIPMENT	1	LUMP SUM	\$1,500.00	\$1,500.00	\$5,000.00	\$5,000.00	\$1,100.00	\$1,100.00
39	2504.602	ADJUST VALVE BOX	16	EACH	\$250.00	\$4,000.00	\$200.00	\$3,200.00	\$175.00	\$2,800.00
40	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN SD-48	7.82	LIN FT	\$475.00	\$3,714.50	\$300.00	\$2,346.00	\$575.00	\$4,496.50
41	2506.516	CASTING ASSEMBLY (700-7)	6	EACH	\$750.00	\$4,500.00	\$750.00	\$4,500.00	\$500.00	\$3,000.00
42	2506.602	RECONSTRUCT DRAINAGE STRUCTURE	12	EACH	\$500.00	\$6,000.00	\$500.00	\$6,000.00	\$1,050.00	\$12,600.00
43	2506.602	ADJUST FRAME AND RING CASTING (SANITARY)	23	EACH	\$800.00	\$18,400.00	\$500.00	\$11,500.00	\$500.00	\$11,500.00
44	2506.602	CONNECT TO EXISTING DRAINAGE STRUCTURE	1	EACH	\$750.00	\$750.00	\$2,500.00	\$2,500.00	\$400.00	\$400.00
45	2531.501	CONCRETE CURB AND GUTTER DESIGN B612	262	LIN FT	\$6,550.00	\$1,716,100.00	\$20.00	\$5,240.00	\$18.25	\$4,781.50
46	2531.501	CONCRETE CURB AND GUTTER DESIGN B618	673	LIN FT	\$29.00	\$19,517.00	\$25.00	\$16,825.00	\$30.00	\$20,190.00
47	2531.501	CONCRETE CURB AND GUTTER DESIGN B624	613	LIN FT	\$32.00	\$19,616.00	\$25.00	\$15,325.00	\$24.00	\$14,712.00
48	2531.507	6" CONCRETE DRIVEWAY PAVEMENT	81	SQ YD	\$60.00	\$4,860.00	\$80.00	\$6,480.00	\$61.50	\$4,981.50

TABULATION OF BIDS

WIDSETH SMITH NOLLING
7804 Industrial Park Road, Baxter, MN 56425
PHONE 218-829-5117

DATE: May 17, 2016
TIME: 11:00 A.M.
CLIENT: City of Baxter
PROJECT NO: 0102B0379.000

ITEM NO.	SPEC NO	ITEM DESCRIPTION	CONTRACT QUANTITY	UNIT	ENGINEER'S ESTIMATE			UNIT			AMOUNT
					UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	
49	2531.507	8" CONCRETE DRIVEWAY PAVEMENT	32	SQ YD	\$70.00	\$2,240.00	\$100.00	\$3,200.00	\$75.00	\$2,400.00	
50	2531.603	CONCRETE GUTTER DESIGN SPECIAL	42	LIN FT	\$25.00	\$1,050.00	\$100.00	\$4,200.00	\$20.00	\$840.00	
51	2531.604	8" CONCRETE VALLEY GUTTER	53	SQ YD	\$70.00	\$3,710.00	\$100.00	\$5,300.00	\$85.00	\$4,505.00	
52	2531.618	TRUNCATED DOMES	108	SQ FT	\$45.00	\$4,860.00	\$50.00	\$5,400.00	\$50.00	\$5,400.00	
53	2563.601	TRAFFIC CONTROL	1	LUMP SUM	\$17,500.00	\$17,500.00	\$12,000.00	\$12,000.00	\$11,000.00	\$11,000.00	
54	2564.550	DELINEATOR TYPE X4-13	16	EACH	\$125.00	\$2,000.00	\$85.00	\$1,360.00	\$94.00	\$1,504.00	
55	2564.602	INSTALL SIGN	4	EACH	\$150.00	\$600.00	\$100.00	\$400.00	\$110.00	\$440.00	
56	2565.602	RIGID PVC LOOP DETECTOR 6'X6'	6	EACH	\$1,200.00	\$7,200.00	\$1,000.00	\$6,000.00	\$1,100.00	\$6,600.00	
57	2571.502	DECIDUOUS TREE 10' HT B&B	5	TREE	\$750.00	\$3,750.00	\$700.00	\$3,500.00	\$650.00	\$3,250.00	
58	2573.530	STORM DRAIN INLET PROTECTION	26	EACH	\$125.00	\$3,250.00	\$120.00	\$3,120.00	\$140.00	\$3,640.00	
59	2573.533	SEDIMENT CONTROL LOG TYPE COMPOST	400	LIN FT	\$5.00	\$2,000.00	\$5.00	\$2,000.00	\$4.25	\$1,700.00	
60	2574.525	STABILIZED CONSTRUCTION EXIT	2	LUMP SUM	\$750.00	\$1,500.00	\$1,000.00	\$2,000.00	\$500.00	\$1,000.00	
61	2574.525	SCREENED TOPSOIL BORROW (LV)	655	CU YD	\$25.00	\$16,375.00	\$30.00	\$19,650.00	\$38.00	\$24,890.00	
62	2575.505	SODDING TYPE LAWN	937	SQ YD	\$6.00	\$5,622.00	\$6.00	\$5,622.00	\$6.60	\$6,184.20	
63	2575.604	SITE RESTORATION	9414	SQ YD	\$1.75	\$16,474.50	\$4.50	\$42,363.00	\$3.20	\$30,124.80	
64	2582.501	PAVEMENT MESSAGE PAINT	190	SQ FT	\$12.50	\$2,375.00	\$5.25	\$997.50	\$5.50	\$1,045.00	
65	2582.502	4" SOLID LINE PAINT	2495	LIN FT	\$0.50	\$1,247.50	\$0.45	\$1,122.75	\$0.50	\$1,247.50	
66	2582.502	8" SOLID LINE PAINT	204	LIN FT	\$1.00	\$204.00	\$1.50	\$306.00	\$1.65	\$336.60	
67	2582.502	12" SOLID LINE PAINT	125	LIN FT	\$2.75	\$343.75	\$4.00	\$500.00	\$4.40	\$550.00	
68	2582.502	4" BROKEN LINE PAINT	3274	LIN FT	\$0.50	\$1,637.50	\$0.30	\$982.20	\$0.33	\$1,080.42	
69	2582.502	4" DOUBLE SOLID LINE PAINT	8270	LIN FT	\$0.50	\$4,135.00	\$0.60	\$4,962.00	\$0.62	\$5,127.40	
70	2611.4A	1-1/2" POLYETHYLENE SERVICE PIPE	46	LIN FT	\$25.00	\$1,150.00	\$50.00	\$2,300.00	\$57.50	\$2,645.00	
71	2611.4D	1-1/2" CURB STOP & BOX	2	EACH	\$500.00	\$1,000.00	\$1,500.00	\$3,000.00	\$525.00	\$1,050.00	
72	2621.4F	6" PVC SERVICE PIPE (SCH 40)	46	LIN FT	\$25.00	\$1,150.00	\$50.00	\$2,300.00	\$62.00	\$2,852.00	
73	2621.4F	6" PVC CLEAN OUT RISER (SCH 40)	2	EACH	\$500.00	\$1,000.00	\$500.00	\$1,000.00	\$275.00	\$550.00	
74	2621.4H	1' MANHOLE CONCRETE SECTION	1	EACH	\$500.00	\$500.00	\$2,000.00	\$2,000.00	\$635.00	\$635.00	
75	-	SCOURSTOP TRANSITION MAT	11	SQ YD	\$100.00	\$1,100.00	\$150.00	\$1,650.00	\$12.00	\$132.00	

TOTAL \$1,061,125.75 \$806,167.45 \$912,603.17

I hereby certify that this tabulation is a true and correct copy of the bids for the 2016 Mill and Overlay, Full Depth Reclamation and Turn Lane Improvement Project Municipal Project Number 4416

Anne Welch
NAME: Anne Welch

REG. NO. 41983 DATE May 17, 2016



MEMO

Date: June 1, 2016
To: **Baxter Utilities Commission**
From: Aric Welch
Cc: Trevor Walter
Project Name: Dellwood, Novotny, Inglewood and Independence Improvements
Project No.: 0102B0274.000
Subject: **Project Update**

Brainerd/Baxter
7804 Industrial Park Road
PO Box 2720
Baxter, MN 56425-2720

218.829.5117 ☎
218.829.2517 📠
Brainerd@wsn.us.com ✉

WidethSmithNolting.com

Work Completed Since Last Update

A final walk through of the project was completed on Thursday, May 26, 2016. Representatives from the City, WSN, RL Larson and Crow Wing County Highway Department were present. Based on the walkthrough, the project was determined to be substantially complete.

Project Schedule

The Contractor will continue to work on punch list items and miscellaneous cleanup. Tri City will be completing warranty repair work on Inglewood Drive.

Completion Dates

Per Change Order No. 2 Agreement, the revised substantial completion date is May 26, 2016 with a final completion date of June 9, 2016.

Easements

Two roadway easements remain to be signed (Tanner and Wicklund). John Tanner has indicated he intends to sign the easement document and vacation agreement when he returns in mid-June. We are working with Wicklund by supplying additional requested information on resultant lot areas.

Hilltop Trailer Sales easement is still being held up by the bank financing the property.

A vacation hearing for the Positive Realty, General Rental and Tanner properties will likely be held in July.

PARTIAL PAYMENT ESTIMATE
NUMBER 6

Name of Contractor:	R.L. Larson Excavating, Inc. 2255 12th Street SE St Cloud, MN 56304		
Name of Owner:	City of Baxter PO Box 2626 Baxter, MN 56425		
Date of Completion:	Amount of Contract:	Dates of Estimate:	
Original: See Agreement	Original: \$1,530,029.37	From: 4/22/16	
Revised: See Change Order 2	Revised: \$1,560,803.62	To: 5/27/16	

Description of Project:
2015 DELLWOOD DRIVE, NOVOTNY ROAD, INGLEWOOD DRIVE AND INDEPENDENCE ROAD IMPROVEMENTS
MUNICIPAL PROJECT NUMBERS 4063, 4105 AND 4107
BAXTER, MN

ITEM NO.	ITEM DESCRIPTION	CONTRACT ITEMS				THIS PERIOD		TOTAL TO DATE	
		QTY.	UNIT	UNIT PRICE	AMOUNT	QTY.	AMOUNT	QTY.	AMOUNT
BASE BID									
2021.501	MOBILIZATION	1	LUMP SUM	\$70,000.00	\$70,000.00			1	\$70,000.00
2101.501	CLEARING	0.52	ACRE	\$5,000.00	\$2,600.00			0.65	\$3,250.00
2101.502	CLEARING	58	TREE	\$150.00	\$8,700.00			66	\$9,900.00
2101.506	GRUBBING	0.52	ACRE	\$5,000.00	\$2,600.00			0.65	\$3,250.00
2101.507	GRUBBING	58	TREE	\$150.00	\$8,700.00			62	\$9,300.00
2104.501	REMOVE SEWER PIPE (STORM)	22	LIN FT	\$10.00	\$220.00			67	\$670.00
2104.501	REMOVE WATER SERVICE PIPE	20	LIN FT	\$10.00	\$200.00			30	\$300.00
2104.501	REMOVE CURB AND GUTTER	76	LIN FT	\$5.00	\$380.00	133	\$665.00	320	\$1,600.00
2104.505	REMOVE BITUMINOUS PAVEMENT	16266	SQ YD	\$1.80	\$29,278.80	220	\$396.00	16491	\$29,683.80
2104.505	REMOVE CONCRETE DRIVEWAY PAVEMENT	49	SQ YD	\$6.00	\$294.00	8	\$48.00	180	\$1,080.00
2104.509	REMOVE CONCRETE APRON	1	EACH	\$50.00	\$50.00			1	\$50.00
2104.509	REMOVE CONCRETE APRON	1	EACH	\$100.00	\$100.00			1	\$100.00
2104.509	REMOVE CATCH BASIN	19	EACH	\$25.00	\$475.00			17	\$425.00
2104.509	REMOVE SIGN TYPE C	2	EACH	\$200.00	\$400.00			2	\$400.00
2104.509	REMOVE VALVE BOX	3	EACH	\$300.00	\$900.00			3	\$900.00
2104.509	REMOVE CURB STOP & BOX	5	EACH	\$25.00	\$125.00			4	\$100.00
2104.509	REMOVE DELINEATOR	441	LIN FT	\$5.00	\$2,205.00			37	\$185.00
2104.511	SAWING CONCRETE PAVEMENT (FULL DEPTH)	330	LIN FT	\$3.00	\$990.00			372	\$1,116.00
2104.513	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	357	LIN FT	\$10.00	\$3,570.00			97	\$970.00
2104.521	SALVAGE FENCE	20	EACH	\$25.00	\$500.00			20	\$500.00
2104.523	SALVAGE SIGN	2	EACH	\$425.00	\$850.00			2	\$850.00
2104.523	SALVAGE HYDRANT & VALVE	2	EACH	\$100.00	\$200.00	2	\$200.00	4	\$400.00
2104.523	SALVAGE PIPE APRON	7512	CU YD	\$10.00	\$75,120.00			8647	\$86,470.00
2105.501	COMMON EXCAVATION (P)	1000	CU YD	\$10.00	\$10,000.00			1000	\$10,000.00
2105.505	MUCK EXCAVATION	7191	CU YD	\$9.40	\$67,595.40			7511	\$70,603.40
2105.522	COMMON BORROW (CV)	0.95	LUMP SUM	\$62,000.00	\$58,900.00			1	\$62,000.00
2105.601	DEWATERING	26	TON	\$20.00	\$520.00				
2118.501	AGGREGATE SURFACING CLASS 5	30	HOUR	\$85.00	\$2,550.00				
2123.501	COMMON LABORERS	20	HOUR	\$170.00	\$3,400.00				
2123.503	MOTOR GRADER	32	HOUR	\$100.00	\$3,200.00				
2123.610	STREET SWEEPER (WITH PICKUP BROOM)	100	M GALLON	\$30.00	\$3,000.00				
2130.501	WATER	173	TON	\$20.00	\$3,460.00				
2211.501	AGGREGATE BASE CLASS 5	4304	CU YD	\$17.00	\$73,168.00	168	\$3,360.00	4304	\$73,168.00
2211.503	AGGREGATE BASE (CV) CLASS 5 (P)	5421	TON	\$55.00	\$298,155.00	225	\$3,825.00	5623.67	\$309,301.85
2360.501	TYPE SP 9.5 WEARING COURSE MIXTURE (2,C)	112	LIN FT	\$34.50	\$3,864.00	1135.67	\$62,461.85	5623.67	\$4,554.00
2501.514	18" RC PIPE CULVERT	5	EACH	\$400.00	\$2,000.00	4	\$138.00	132	\$2,000.00
2501.515	12" RC PIPE APRON	4	EACH	\$475.00	\$1,900.00			5	\$2,000.00
2501.515	18" RC PIPE APRON	2	EACH	\$150.00	\$300.00			4	\$1,900.00
2501.573	INSTALL PIPE APRON	1203	LIN FT	\$28.00	\$33,684.00	2	\$300.00	4	\$600.00
2503.541	12" RC PIPE SEWER DES 3006 CL V	768	LIN FT	\$30.00	\$23,040.00	8	\$224.00	1166	\$32,648.00
2503.541	15" RC PIPE SEWER DES 3006 CL V	678	LIN FT	\$32.00	\$21,696.00			617	\$18,510.00
2503.541	18" RC PIPE SEWER DES 3006 CL III	1	EACH	\$900.00	\$900.00			1	\$900.00
2503.602	CONNECT TO EXISTING SANITARY SEWER	1	EACH	\$2,400.00	\$2,400.00			1	\$2,400.00
2503.602	CONNECT TO EXISTING MANHOLES (SAN)	2	EACH	\$200.00	\$400.00			1	\$200.00
2504.602	ADJUST VALVE BOX	3	EACH	\$450.00	\$1,350.00			4	\$1,800.00
2504.602	CONNECT TO EXISTING SEWER SERVICE	6	EACH	\$510.00	\$3,060.00			2	\$1,020.00
2504.602	CONNECT TO EXISTING WATER SERVICE	2770	LIN FT	\$1.25	\$3,462.50			2778	\$3,472.50
2503.603	CLEAN AND VIDEO TAPE PIPE SEWER - MAINLINE	778	LIN FT	\$1.25	\$972.50			1019	\$1,273.75
2503.603	CLEAN AND VIDEO TAPE PIPE SEWER - SERVICE	2	EACH	\$950.00	\$1,900.00			4	\$3,800.00
2504.602	CONNECT TO EXISTING WATER MAIN	55.13	LIN FT	\$425.00	\$23,430.25			51.63	\$21,942.75
2506.501	CONST DRAINAGE STRUCTURE DESIGN SD-48	32.71	LIN FT	\$250.00	\$8,177.50			32.71	\$8,177.50
2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	20	EACH	\$750.00	\$15,000.00			20	\$15,000.00
2506.516	CASTING ASSEMBLY	9	EACH	\$350.00	\$3,150.00			9	\$3,150.00
2506.522	ADJUST FRAME AND RING CASTING	1	EACH	\$500.00	\$500.00			1	\$500.00
2506.602	CONNECT INTO EXISTING STORM SEWER	1	EACH	\$2,800.00	\$2,800.00			0.75	\$2,100.00
2506.602	CONSTRUCT CONTROL STRUCTURE A	61.4	CU YD	\$65.00	\$3,991.00			33	\$2,145.00
2511.501	RANDOM RIPRAP CLASS III	227	SQ YD	\$2.00	\$454.00			116	\$232.00
2511.515	GEOTEXTILE FILTER TYPE IV	7110	LIN FT	\$15.00	\$106,650.00	248	\$3,720.00	7704	\$115,560.00
2531.501	CONCRETE CURB AND GUTTER DESIGN B624	93	SQ YD	\$75.00	\$6,975.00			107	\$8,025.00
2531.503	CONCRETE MEDIAN	183	SQ YD	\$55.00	\$10,065.00	5	\$275.00	313	\$17,215.00
2531.507	6" CONCRETE DRIVEWAY PAVEMENT	135	SQ YD	\$60.00	\$8,100.00			160	\$9,600.00
2531.507	8" CONCRETE DRIVEWAY PAVEMENT	114	SQ YD	\$66.00	\$7,524.00	17	\$1,122.00	138.1	\$9,114.60
2531.604	8" CONCRETE VALLEY GUTTER	164	SQ FT	\$40.00	\$6,560.00			206	\$8,240.00
2531.618	TRUNCATED DOMES	15	EACH	\$125.00	\$1,875.00			15	\$1,875.00
2540.602	MAIL BOX SUPPORT	15	EACH	\$100.00	\$1,500.00			15	\$1,500.00
2540.602	TEMPORARY POSTAL SERVICE	347	LIN FT	\$20.00	\$6,940.00	64	\$1,280.00	64	\$1,280.00
2557.603	INSTALL FENCE	1	LUMP SUM	\$8,000.00	\$8,000.00	0.05	\$400.00	1	\$8,000.00
2563.601	TRAFFIC CONTROL	20	EACH	\$80.00	\$1,600.00			20	\$1,600.00
2564.602	INSTALL SIGN	13	EACH	\$105.00	\$1,365.00			60	\$6,300.00
2564.602	INSTALL SIGN PANEL TYPE C	22	EACH	\$150.00	\$3,300.00			60	\$9,000.00
2564.602	FURNISH TYPE C SIGN	2222	LIN FT	\$2.50	\$5,555.00			2255	\$5,637.50
2573.502	SILT FENCE, TYPE MS	23	EACH	\$225.00	\$5,175.00	10	\$2,250.00	23	\$5,175.00
2573.530	STORM DRAIN INLET PROTECTION	8	EACH	\$600.00	\$4,800.00			6	\$3,600.00
2573.535	STABILIZED CONSTRUCTION EXIT	1	LUMP SUM	\$1,500.00	\$1,500.00	0.375	\$562.50	1	\$1,500.00
2573.550	EROSION CONTROL SUPERVISOR	2	EACH	\$250.00	\$500.00	2	\$500.00	2	\$500.00
2573.602	CULVERT END CONTROLS	693	POUND	\$1.00	\$693.00	693	\$693.00	1493	\$1,493.00
2574.525	FERTILIZER TYPE 1	2452	CU YD	\$0.01	\$24.52	240	\$2.40	2531	\$25.31
2575.501	COMMON TOPSOIL BORROW	6.5	ACRE	\$800.00	\$5,200.00	2.3	\$1,840.00	5.6	\$4,480.00
2575.502	SEEDING	163	POUND	\$4.00	\$652.00			180	\$720.00
2575.502	SEED MIXTURE 22-111	732	POUND	\$3.00	\$2,196.00	933	\$2,799.00	1943	\$5,829.00
2575.502	SEED MIXTURE 25-131	14	POUND	\$60.00	\$840.00			17.5	\$1,050.00
2575.502	SEED MIXTURE 33-361	9935	SQ YD	\$4.50	\$44,707.50			7931	\$35,689.50
2575.505	SODDING TYPE LAWN	8	TON	\$425.00	\$3,400.00				
2575.511	MULCH MATERIAL TYPE 3	4.1	ACRE	\$200.00	\$820.00				
2575.519	DISK ANCHORING	4954	SQ YD	\$2.00	\$9,908.00			1765	\$3,530.00
2575.523	EROSION CONTROL BLANKETS CATEGORY 3	3180	POUND	\$1.30	\$4,134.00	-142.00	-\$184.60	5965	\$7,754.50
2575.562	HYDRAULIC MATRIX TYPE MULCH	13	EACH	\$50.00	\$650.00	1	\$50.00	14	\$700.00
2582.501	PAVEMENT MESSAGE-PAINT	715	LIN FT	\$0.30	\$214.50	16	\$4.80	433	\$129.90
2582.502	4" SOLID LINE WHITE-PAINT	7465	LIN FT	\$0.34	\$2,538.10			3014	\$1,024.76

2582.502	4" SOLID LINE YELLOW-PAINT	1628	LIN FT	\$0.30	\$488.40			231	\$69.30
2582.502	12" SOLID LINE YELLOW-PAINT	137	LIN FT	\$2.50	\$342.50	61.4	\$153.50	200.4	\$501.00
2582.502	4" BROKEN LINE YELLOW-PAINT	816	LIN FT	\$0.30	\$244.80			230	\$69.00
2582.502	4" DOUBLE SOLID LINE YELLOW-PAINT	2276	LIN FT	\$0.60	\$1,365.60	2644	\$1,586.40	4361	\$2,616.60
2600.4D	INSULATION (4' x 8' x 2" THICK)	879.2	SQ YD	\$2.00	\$17,584.00			2071.3	\$41,428.00
2611.4A	6" PVC WATERMAIN PIPE	108	LIN FT	\$20.00	\$2,160.00			114	\$2,280.00
2611.4A	8" PVC WATERMAIN PIPE	186	LIN FT	\$22.00	\$4,092.00	-129.00	-\$2,838.00	185	\$4,070.00
2611.4A	10" PVC WATERMAIN PIPE	1384	LIN FT	\$25.00	\$34,600.00			1383	\$34,575.00
2611.4A	12" PVC WATERMAIN PIPE	1191	LIN FT	\$28.50	\$33,943.50	-71.00	-\$2,023.50	1188	\$33,858.00
2611.4A	1" POLYETHYLENE SERVICE PIPE	48	LIN FT	\$13.00	\$624.00			20	\$260.00
2611.4A	1.5" POLYETHYLENE SERVICE PIPE	634	LIN FT	\$13.00	\$8,242.00			935	\$12,155.00
2611.4B	6" GATE VALVE & BOX w/ ADAPTOR	5	EACH	\$1,150.00	\$5,750.00			6	\$6,900.00
2611.4B	8" GATE VALVE & BOX w/ ADAPTOR	2	EACH	\$1,575.00	\$3,150.00	-2.00	-\$3,150.00	2	\$3,150.00
2611.4B	10" GATE VALVE & BOX w/ ADAPTOR	3	EACH	\$2,400.00	\$7,200.00			3	\$7,200.00
2611.4B	12" BUTTERFLY VALVE & BOX w/ ADAPTOR	1	EACH	\$2,000.00	\$2,000.00			2	\$4,000.00
2611.4B	VALVE OPERATOR EXTENSION	9	EACH	\$140.00	\$1,260.00				
2611.4C	1.5" CORPORATION STOP & SADDLE	18	EACH	\$655.00	\$11,790.00			24	\$15,720.00
2611.4D	1" CURB STOP & BOX	3	EACH	\$635.00	\$1,905.00			1	\$635.00
2611.4D	1.5" CURB STOP & BOX	18	EACH	\$760.00	\$13,680.00			24	\$18,240.00
2611.4E	HYDRANT	5	EACH	\$4,050.00	\$20,250.00			5	\$20,250.00
2611.4G	INSTALL HYDRANT & VALVE	2	EACH	\$1,440.00	\$2,880.00			2	\$2,880.00
2611.4I	DUCTILE IRON WATERMAIN FITTINGS	3675	POUND	\$1.75	\$6,431.25	-1040.00	-\$1,820.00	4100	\$7,175.00
2611.4J	HYDRANT EXTENSION (12")	1	EACH	\$585.00	\$585.00			2	\$1,170.00
2611.4J	HYDRANT EXTENSION (18")	1	EACH	\$700.00	\$700.00				
2611.4J	HYDRANT EXTENSION (30")	1	EACH	\$875.00	\$875.00			1	\$875.00
2611.4J	GATE VALVE BOX & ADAPTOR	2	EACH	\$435.00	\$870.00			2	\$870.00
2621.4A	8" PVC SEWER PIPE (SDR 26)	979	LIN FT	\$24.50	\$23,985.50			980	\$24,010.00
2621.4A	10" PVC SEWER PIPE (SDR 26)	1791	LIN FT	\$27.00	\$48,357.00			1795	\$48,465.00
2621.4B	SANITARY SEWER MANHOLE, MnDOT DESIGN 4007C	10	EACH	\$2,200.00	\$22,000.00			10	\$22,000.00
2621.4B1	MANHOLE EXCESS DEPTH	14.95	LIN FT	\$100.00	\$1,495.00			14.95	\$1,495.00
2621.4F	4" PVC SERVICE PIPE (SCH 40)	24	LIN FT	\$80.00	\$1,920.00			38	\$3,040.00
2621.4F	6" PVC SERVICE PIPE (SCH 40)	802	LIN FT	\$15.00	\$12,030.00			998	\$14,970.00
2621.4G	8" X 6" PVC WYE	7	EACH	\$570.00	\$3,990.00			11	\$6,270.00
2621.4G	10" X 6" PVC WYE	11	EACH	\$690.00	\$7,590.00			13	\$8,970.00
ALTERNATE BID A									
2101.501	CLEARING	0.05	ACRE	\$15,000.00	\$750.00			0.075	\$1,125.00
2101.506	GRUBBING	0.05	ACRE	\$15,000.00	\$750.00			0.075	\$1,125.00
2105.601	DEWATERING	0.05	LUMP SUM	\$70,000.00	\$3,500.00			0.05	\$3,500.00
2123.501	COMMON LABORERS	5	HOUR	\$85.00	\$425.00				
2123.503	MOTOR GRADER	5	HOUR	\$160.00	\$800.00				
2573.502	SILT FENCE, TYPE MS	50	LIN FT	\$2.50	\$125.00				
2574.508	FERTILIZER TYPE 1	27	POUND	\$1.00	\$27.00	27	\$27.00	27	\$27.00
2574.525	COMMON TOPSOIL BORROW	49	CU YD	\$20.00	\$980.00	49	\$980.00	49	\$980.00
2575.501	SEEDING	0.1	ACRE	\$800.00	\$80.00	0.1	\$80.00	0.1	\$80.00
2575.502	SEED MIXTURE 25-131	27	POUND	\$3.00	\$81.00	27	\$81.00	27	\$81.00
2575.505	SODDING TYPE LAWN	116	SQ YD	\$4.50	\$522.00	116	\$522.00	116	\$522.00
2575.562	HYDRAULIC MATRIX TYPE MULCH	142	POUND	\$8.00	\$1,136.00	142	\$1,136.00	142	\$1,136.00
2600.4D	INSULATION (4' x 8' x 2" THICK)	6.3	SQ YD	\$20.00	\$126.00			3.5	\$70.00
2611.4A	6" PVC WATERMAIN PIPE	6	LIN FT	\$47.00	\$282.00			7	\$329.00
2611.4A	8" PVC WATERMAIN PIPE	175	LIN FT	\$25.00	\$4,375.00			116	\$2,900.00
2611.4A	8" PE WATERMAIN PIPE - DIRECTIONAL DRILL	865	LIN FT	\$53.00	\$45,845.00			922	\$48,866.00
2611.4B	6" GATE VALVE & BOX w/ ADAPTOR	1	EACH	\$1,200.00	\$1,200.00			1	\$1,200.00
2611.4E	HYDRANT	1	EACH	\$4,100.00	\$4,100.00			1	\$4,100.00
2611.4I	DUCTILE IRON WATERMAIN FITTINGS	615	POUND	\$2.35	\$1,445.25			785	\$1,844.75
-	8" WET TAP	1	EACH	\$4,300.00	\$4,300.00			1	\$4,300.00
CHANGE ORDER 3									
1	INDEPENDENCE ROAD ADDITIONAL GRADING	1	LUMP SUM	\$1,440.00	\$1,440.00			1	\$1,440.00
2	INGLEWOOD DRIVE ADDITIONAL GRADING	1	LUMP SUM	\$5,272.00	\$5,272.00			1	\$5,272.00
3	WORK AROUND 6" GAS MAIN	1	LUMP SUM	\$1,350.00	\$1,350.00			1	\$1,350.00
4	INGLEWOOD DRIVE WATERMAIN LOWERING	1	LUMP SUM	\$12,958.38	\$12,958.38			1	\$12,958.38
5	FAIRVIEW ROAD FORCEMAIN	1	LUMP SUM	\$9,753.87	\$9,753.87			1	\$9,753.87
TOTAL:					\$1,560,803.62		\$82,260.35		\$1,635,297.52

		THIS PERIOD		TOTAL TO DATE	
AMOUNT EARNED			\$82,260.35		\$1,635,297.52
AMOUNT RETAINED					\$77,823.08
RETAINAGE RELEASED			\$36,359.13		
PREVIOUS PAYMENTS					\$1,438,854.96
AMOUNT DUE			\$118,619.48		\$118,619.48

Estimated Percentage Completed: 106.9%

CONTRACTOR'S CERTIFICATION:

The undersigned Contractor certifies that to the best of their knowledge, information and belief the work covered by this payment estimate has been completed in accordance with the contract documents, that all amounts have been paid by the Contractor for work for which previous payment estimates were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR : R.L. LARSON EXCAVATING, INC.

BY: _____

Date: _____

APPROVED BY CITY OF BAXTER:

BY: Kelly Steele, Assistant City Administrator / City Clerk

Date: _____

APPROVED BY CITY OF BAXTER:

BY: Darrel Olson, Mayor

Date: _____

ENGINEER'S CERTIFICATION:

The undersigned endorses that to the best of their knowledge and belief, the quantities shown in this estimate are correct and the work has been performed in accordance with the contract documents.

ENGINEER: WIDSETH SMITH NOLTING

BY: Aric Welch, P.E.

Date: _____

RECOMMENDED FOR APPROVAL BY CITY OF BAXTER - UTILITIES COMMISSION

BY: _____

Date: _____

PARTIAL PAY ESTIMATE 6 - ATTACHMENT A
2015 DELLWOOD DRIVE, NOVOTNY ROAD, INGLEWOOD DRIVE AND INDEPENDENCE ROAD IMPROVEMENTS
MUNICIPAL PROJECT NUMBERS 4063, 4105 AND 4107
 Friday, May 27, 2016

ITEM NO.	SPEC. NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	DELLWOOD DRIVE AND NOVOTNY ROAD, MUNICIPAL IMPROVEMENT 4063							
					CONTRACT		THIS PERIOD		TOTAL TO DATE			
					QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT		
ALTERNATE BID A												
1A	2101.501	CLEARING	ACRE	\$15,000.00	0.05	\$750.00			0.075	\$1,125.00		
2A	2101.506	GRUBBING	ACRE	\$15,000.00	0.05	\$750.00			0.075	\$1,125.00		
3A	2106.601	DEWATERING	LUMP SUM	\$70,000.00	0.05	\$3,500.00			0.05	\$3,500.00		
4A	2123.501	COMMON LABORERS	HOURL	\$65.00	5	\$425.00						
5A	2123.503	MOTOR GRADER	HOURL	\$160.00	5	\$800.00						
6A	2575.502	SILT FENCE, TYPE MS	LIN FT	\$2.50	50	\$125.00						
7A	2574.508	FERTILIZER TYPE 1	POUND	\$1.00	27	\$27.00	27	\$27.00	27	\$27.00		
8A	2574.525	COMMON TOPSOIL BORROW	CU YD	\$20.00	49	\$980.00	49	\$980.00	49	\$980.00		
9A	2575.501	SEEDING	ACRE	\$800.00	0.1	\$80.00	0.1	\$80.00	0.1	\$80.00		
10A	2575.502	SEED MIXTURE 25-131	POUND	\$3.00	27	\$81.00	27	\$81.00	27	\$81.00		
11A	2575.505	SOODING TYPE LAWN	SQ YD	\$4.50	116	\$522.00	116	\$522.00	116	\$522.00		
12A	2575.502	HYDRAULIC MATRIX TYPE MULCH	POUND	\$8.00	142	\$1,136.00	142	\$1,136.00	142	\$1,136.00		
13A	2600.40	INSULATION (4 x 8 x 2" THICK)	SQ YD	\$20.00	6.3	\$126.00			3.5	\$70.00		
14A	2611.4A	6" PVC WATERMAIN PIPE	LIN FT	\$47.00	6	\$282.00			7	\$329.00		
15A	2611.4A	6" PVC WATERMAIN PIPE	LIN FT	\$25.00	175	\$4,375.00			116	\$2,900.00		
16A	2611.4A	6" PE WATERMAIN PIPE - DIRECTIONAL DRILL	LIN FT	\$53.00	865	\$45,845.00			922	\$48,866.00		
17A	2611.4B	6" GATE VALVE & BOX w/ ADAPTOR	EACH	\$1,200.00	1	\$1,200.00			1	\$1,200.00		
18A	2611.4E	HYDRANT	EACH	\$4,100.00	1	\$4,100.00			1	\$4,100.00		
19A	2611.4	DUCTILE IRON WATERMAIN FITTINGS	POUND	\$2.35	815	\$1,485.25			785	\$1,844.75		
20A	-	6" WET TAP	EACH	\$4,300.00	1	\$4,300.00			1	\$4,300.00		
CHANGE ORDER 3												
1		INDEPENDENCE ROAD ADDITIONAL GRADING	LUMP SUM	\$1,440.00								
2		INGLEWOOD DRIVE ADDITIONAL GRADING	LUMP SUM	\$5,272.00								
3		WORK AROUND 6" GAS MAIN	LUMP SUM	\$1,350.00								
4		INGLEWOOD DRIVE WATERMAIN LOWERING	LUMP SUM	\$12,858.38								
5		FAIRVIEW ROAD FORCEMAIN	LUMP SUM	\$9,753.87								
TOTALS:												
AMOUNT RETAINED:						\$870,409.54		\$84,073.50		\$893,516.25		
RETAINAGE RELEASED:						5% OF AMOUNT EARNED TO DATE:				\$44,675.81		
PREVIOUS PAYMENTS:								\$36,268.47		\$728,498.47		
AMOUNT DUE:								\$120,341.97		\$120,341.97		

PARTIAL PAY ESTIMATE 6 - ATTACHMENT A
2015 DELLWOOD DRIVE, NOVOTNY ROAD, INGLEWOOD DRIVE AND
MUNICIPAL PROJECT NUMBERS 4063, 4105 AND 4107
 Friday, May 27, 2016

ITEM NO.	SPEC. NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	INGLEWOOD DRIVE, MUNICIPAL IMPROVEMENT 4105							
					CONTRACT		THIS PERIOD		TOTAL TO DATE			
					QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT		
ALTERNATE BID A												
1A	2101.501	CLEARING	ACRE	\$10,000.00								
2A	2101.506	GRUBBING	ACRE	\$15,000.00								
3A	2105.001	DEWATERING	LUMP SUM	\$70,000.00								
4A	2123.501	COMMON LABORERS	HOUR	\$65.00								
5A	2123.503	MOTOR GRADER	HOUR	\$160.00								
6A	2573.502	SILT FENCE, TYPE MS	LINE FT	\$2.50								
7A	2574.508	FERTILIZER TYPE 1	POUND	\$1.00								
8A	2574.525	COMMON TOPSOIL BORROW	CU YD	\$20.00								
9A	2575.501	SEEDING	ACRE	\$500.00								
10A	2575.502	SEED MIXTURE 25-131	POUND	\$3.00								
11A	2575.505	SODDING TYPE LAWN	SQ YD	\$4.50								
12A	2575.562	HYDRAULIC MATRIX TYPE MULCH	POUND	\$8.00								
13A	2600.4D	INSULATION (4" x 8" x 2" THICK)	SQ YD	\$20.00								
14A	2611.4A	8" PVC WATERMAIN PIPE	LINE FT	\$47.00								
15A	2611.4A	8" PVC WATERMAIN PIPE	LINE FT	\$25.00								
16A	2611.4A	8" PE WATERMAIN PIPE - DIRECTIONAL DRILL	LINE FT	\$53.00								
17A	2611.4B	8" GATE VALVE & BOX w/ ADAPTOR	EACH	\$1,200.00								
18A	2611.4E	HYDRANT	EACH	\$4,100.00								
19A	2611.4	DUCTILE IRON WATERMAIN FITTINGS	POUND	\$2.35								
20A	-	8" WET TAP	EACH	\$4,300.00								
CHANGE ORDER 3												
1		INDEPENDENCE ROAD ADDITIONAL GRADING	LUMP SUM	\$1,440.00								
2		INGLEWOOD DRIVE ADDITIONAL GRADING	LUMP SUM	\$5,272.00	1	\$5,272.00			1	\$5,272.00		
3		WORK AROUND 8" GAS MAIN	LUMP SUM	\$1,350.00	1	\$1,350.00			1	\$1,350.00		
4		INGLEWOOD DRIVE WATERMAIN LOWERING	LUMP SUM	\$12,958.38	1	\$12,958.38			1	\$12,958.38		
5		FAIRVIEW ROAD FORCEMAIN	LUMP SUM	\$9,753.87	1	\$9,753.87			1	\$9,753.87		
TOTALS:												
AMOUNT RETAINED:												
RETAINAGE RELEASED:												
PREVIOUS PAYMENTS												
AMOUNT DUE:												
					\$627,370.32					\$662,945.36		
					5% OF AMOUNT EARNED TO DATE:					\$33,147.27		
					RETAINAGE RELEASED:					\$90.66		
										-\$1,722.49		
										\$631,520.58		
										-\$1,722.49		

PARTIAL PAY ESTIMATE 6 - ATTACHMENT A
2015 DELLWOOD DRIVE, NOVOTNY ROAD, INGLEWOOD DRIVE AND
MUNICIPAL PROJECT NUMBERS 4063, 4105 AND 4107
 Friday, May 27, 2016

ITEM NO.	SPEC. NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	INDEPENDENCE ROAD, MUNICIPAL IMPROVEMENT 4107					
					CONTRACT		THIS PERIOD		TOTAL TO DATE	
					QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
BASE BID										
1	2021.501	MOBILIZATION	LUMP SUM	\$70,000.00					0.05	\$3,500.00
2	2191.501	CLEARING	ACRE	\$5,000.00	0.2	\$1,000.00			0.20	\$1,000.00
3	2191.502	CLEARING	TREE	\$150.00					1	\$150.00
4	2191.506	GRUBBING	ACRE	\$5,000.00	0.2	\$1,000.00			0.20	\$1,000.00
5	2191.507	GRUBBING	TREE	\$150.00					1	\$150.00
6	2104.501	REMOVE SEWER PIPE (6" TORM)	LN FT	\$10.00						
7	2104.501	REMOVE WATER SERVICE PIPE	LN FT	\$10.00						
8	2104.501	REMOVE CURB AND GUTTER	LN FT	\$5.00						
9	2104.505	REMOVE BITUMINOUS PAVEMENT	SQ YD	\$1.85	220	\$396.00			225	\$405.00
10	2104.505	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$6.00						
11	2104.509	REMOVE CONCRETE APRON	EACH	\$50.00						
12	2104.509	REMOVE CATCH BASIN	EACH	\$100.00						
13	2104.509	REMOVE SIGN TYPE C	EACH	\$25.00						
14	2104.509	REMOVE VALVE BOX	EACH	\$200.00						
15	2104.509	REMOVE CURB STOP & BOX	EACH	\$300.00						
16	2104.509	REMOVE DELINEATOR	EACH	\$25.00						
17	2104.511	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LN FT	\$5.00						
18	2104.513	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LN FT	\$3.00	36	\$108.00			36	\$108.00
19	2104.521	SALVAGE FENCE	LN FT	\$10.00						
20	2104.523	SALVAGE SIGN	EACH	\$25.00						
21	2104.523	SALVAGE HYDRANT & VALVE	EACH	\$425.00						
22	2104.523	SALVAGE PIPE APRON	EACH	\$100.00						
23	2105.501	COMMON EXCAVATION (F)	CJ YD	\$10.00						
24	2105.505	MUCK EXCAVATION	CJ YD	\$10.00	601	\$6,010.00			1739	\$17,360.00
25	2105.522	COMMON BORROW (CV)	CJ YD	\$8.40						
26	2105.601	DEWATERING	LUMP SUM	\$62,000.00						
27	2116.501	AGGREGATE SURFACING CLASS 5	TON	\$20.00						
28	2123.501	COMMON LABORERS	HOUR	\$65.00						
29	2123.503	MOTOR GRADER	HOUR	\$170.00						
30	2123.610	STREET SWEEPER (WITH PICKUP BROOM)	HOUR	\$100.00	2	\$200.00			1	\$100.00
31	2130.501	WATER	M GALLON	\$30.00						
32	2211.501	AGGREGATE BASE CLASS 5	TON	\$20.00						
33	2211.503	AGGREGATE BASE CLASS 5 (P)	CJ YD	\$17.00	332	\$5,644.00			332	\$5,644.00
34	2260.501	TYPE SP 9.5 WEARING COURSE MIXTURE (Z,C)	TON	\$55.00	463	\$25,465.00			513	\$28,215.00
35	2501.514	18" RC PIPE CULVERT	LN FT	\$34.50						
36	2501.515	12" RC PIPE APRON	EACH	\$400.00						
37	2501.515	18" RC PIPE APRON	EACH	\$475.00						
38	2501.513	INSTALL PIPE APRON	EACH	\$150.00						
39	2503.541	12" RC PIPE SEWER DES. 3008 CL V	LN FT	\$28.00						
40	2503.541	15" RC PIPE SEWER DES. 3008 CL V	LN FT	\$30.00						
41	2503.541	18" RC PIPE SEWER DES. 3008 CL III	LN FT	\$32.00						
42	2503.602	CONNECT TO EXISTING SANITARY SEWER	EACH	\$860.00						
43	2503.602	CONNECT TO EXISTING MANHOLES (GAIN)	EACH	\$2,400.00						
44	2504.602	ADJUST VALVE BOX	EACH	\$200.00						
45	2504.602	CONNECT TO EXISTING SEWER SERVICE	EACH	\$450.00						
46	2504.602	CONNECT TO EXISTING WATER SERVICE	EACH	\$510.00						
47	2503.603	CLEAN AND VIDEO TAPE PIPE SEWER - MANLINE	LN FT	\$1.25	221	\$276.25			221	\$276.25
48	2503.603	CLEAN AND VIDEO TAPE PIPE SEWER - SERVICE	LN FT	\$1.25	80	\$100.00			88	\$110.00
49	2504.602	CONNECT TO EXISTING WATER MAIN	EACH	\$950.00						
50	2506.501	CONST. DRAINAGE STRUCTURE DESIGN SD-48	LN FT	\$425.00						
51	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	LN FT	\$250.00						
52	2506.516	CASTING ASSEMBLY	EACH	\$750.00						
53	2506.522	ADJUST FRAME AND RING CASTING	EACH	\$350.00	1	\$350.00			1	\$350.00
54	2506.602	CONNECT INTO EXISTING STORM SEWER	EACH	\$500.00						
55	2506.602	CONSTRUCT CONTROL STRUCTURE A	EACH	\$2,800.00						
56	2511.501	RANDOM RIPRAP CLASS III	CJ YD	\$65.00						
57	2511.515	GEOTEXTILE FILTER TYPE IV	SQ YD	\$2.00						
58	2531.501	CONCRETE CURB AND GUTTER DESIGN B624	LN FT	\$15.00						
59	2531.503	CONCRETE MEDIAN	SQ YD	\$75.00						
60	2531.507	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$55.00						
61	2531.507	8" CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$60.00						
62	2531.604	8" CONCRETE VALLEY GUTTER	SQ YD	\$66.00						
63	2531.618	TRUNCATED DOME	SQ FT	\$40.00						
64	2540.602	MAIL BOX SUPPORT	EACH	\$125.00						
65	2540.602	TEMPORARY POSTAL SERVICE	EACH	\$100.00						
66	2557.603	INSTALL FENCE	EACH	\$20.00						
67	2563.601	TRAFFIC CONTROL	LUMP SUM	\$4,000.00	0.05	\$400.00			0.05	\$400.00
68	2564.602	INSTALL SIGN	EACH	\$50.00						
69	2564.602	INSTALL SIGN PANEL TYPE C	EACH	\$105.00						
70	2564.602	FURNISH TYPE C SIGN	EACH	\$150.00						
71	2573.502	3/8" T FENCE TYPE 4B	LN FT	\$2.50						
72	2573.530	STORM DRAIN INLET PROTECTION	EACH	\$225.00						
73	2573.535	STABILIZED CONSTRUCTION EXIT	EACH	\$600.00	1	\$600.00				
74	2573.550	EROSION CONTROL SUPERVISOR	LUMP SUM	\$1,500.00	0.05	\$75.00			0.05	\$75.00
75	2573.602	CULVERT END CONTROLS	EACH	\$250.00						
76	2574.508	FERTILIZER TYPE 1	POUND	\$1.00	80	\$80.00			200	\$200.00
77	2574.525	COMMON TOPSOIL BORROW	CJ YD	\$0.01	201	\$2.01			266	\$2.66
78	2575.501	SEEDING	ACRE	\$800.00	0.4	\$320.00			0.5	\$400.00
79	2575.502	SEED MIXTURE 22-111	POUND	\$4.00						
80	2575.502	SEED MIXTURE 25-131	POUND	\$3.00	120	\$360.00			300	\$900.00
81	2575.502	SEED MIXTURE 13-361	POUND	\$60.00						
82	2575.505	SOODING TYPE LAWN	SQ YD	\$4.50						
83	2575.511	MULCH MATERIAL TYPE 3	TON	\$425.00						
84	2575.519	DISK ANCHORING	ACRE	\$200.00						
85	2575.523	EROSION CONTROL BLANKETS CATEGORY 3	SQ YD	\$2.00						
86	2575.562	HYDRAULIC MATRIX TYPE MULCH	POUND	\$1.30	840	\$1,092.00			1900	\$2,470.00
87	2582.501	PAVEMENT MESSAGE-PAINT	EACH	\$50.00						
88	2582.502	4" SOLID LINE WHITE-PAINT	LN FT	\$0.30						
89	2582.502	8" SOLID LINE WHITE-PAINT	LN FT	\$0.34						
90	2582.502	4" SOLID LINE YELLOW-PAINT	LN FT	\$0.30						
91	2582.502	12" SOLID LINE YELLOW-PAINT	LN FT	\$2.50						
92	2582.502	4" BROKEN LINE YELLOW-PAINT	LN FT	\$0.30	70	\$21.00			50	\$15.00
93	2582.502	4" DOUBLE SOLID LINE YELLOW-PAINT	LN FT	\$0.60						
94	2600.40	INSULATION (4" X 8" X 2" THICK)	SQ YD	\$20.00						
95	2611.4A	8" PVC WATERMAIN PIPE	LN FT	\$25.00						
96	2611.4A	8" PVC WATERMAIN PIPE	LN FT	\$25.00						
97	2611.4A	10" PVC WATERMAIN PIPE	LN FT	\$25.00						
98	2611.4A	12" PVC WATERMAIN PIPE	LN FT	\$25.00						
99	2611.4A	1" POLYETHYLENE SERVICE PIPE	LN FT	\$15.00						
100	2611.4A	1.5" POLYETHYLENE SERVICE PIPE	LN FT	\$15.00	80	\$1,040.00			83	\$1,078.00
101	2611.4B	8" GATE VALVE & BOX w/ ADAPTOR	EACH	\$1,150.00						
102	2611.4B	8" GATE VALVE & BOX w/ ADAPTOR	EACH	\$1,575.00						
103	2611.4B	10" GATE VALVE & BOX w/ ADAPTOR	EACH	\$2,400.00						
104	2611.4B	12" BUTTERFLY VALVE & BOX w/ ADAPTOR	EACH	\$2,000.00						
105	2611.4B	VALVE OPERATOR EXTENSION	EACH	\$140.00						
106	2611.4C	1.5" CORPORATION STOP & SADDLE	EACH	\$655.00	2	\$1,310.00			2	\$1,310.00
107	2611.4D	1" CURB STOP & BOX	EACH	\$635.00						
108	2611.4D	1.5" CURB STOP & BOX	EACH	\$760.00	2	\$1,520.00			2	\$1,520.00
109	2611.4E	HYDRANT	EACH	\$4,050.00						
110	2611.4G	INSTALL HYDRANT & VALVE	EACH	\$1,440.00						
111	2611.4	DUCTILE IRON WATERMAIN FITTINGS	POUND	\$1.75						
112	2611.4J	HYDRANT EXTENSION (12")	EACH	\$565.00						
113	2611.4J	HYDRANT EXTENSION (18")	EACH	\$700.00						
114	2611.4J	HYDRANT EXTENSION (30")	EACH	\$975.00						
115	2611.4J	GATE VALVE BOX & ADAPTOR	EACH	\$435.00						
116	2621.4A	8" PVC SEWER PIPE (SDR 26)	LN FT	\$24.50	221	\$5,414.50			218	\$5,341.00
117	2621.4A	10" PVC SEWER PIPE (SDR 26)	LN FT	\$27.00						
118	2621.4B	SANITARY SEWER MANHOLE, MH007 DESIGN 4007C	EACH	\$1,200.00	1	\$1,200.00			1	\$1,200.00
119	2621.4B1	MANHOLE EXCESS DEPTH	LN FT	\$400.00	4	\$1,600.00				\$400.00
120	2621.4F	4" PVC SERVICE PIPE (SCH 40)	LN FT	\$80.00						
121	2621.4F	6" PVC SERVICE PIPE (SCH 40)	LN FT	\$15.00	104	\$1,560.00			105	\$1,575.00
122	2621.4G	8" X 8" PVC WYE	EACH	\$570.00	2	\$1,140.00			2	\$1,140.00
123	2621.4G	10" X 8" PVC W								

PARTIAL PAY ESTIMATE 6 - ATTACHMENT A
2015 DELLWOOD DRIVE, NOVOTNY ROAD, INGLEWOOD DRIVE AND
MUNICIPAL PROJECT NUMBERS 4063, 4105 AND 4107
 Friday, May 27, 2016

ITEM NO.	SPEC. NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	INDEPENDENCE ROAD, MUNICIPAL IMPROVEMENT 4107							
					CONTRACT		THIS PERIOD		TOTAL TO DATE			
					QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT		
ALTERNATE BID A												
1A	2101.501	CLEARING	ACRE	\$15,000.00								
2A	2101.506	GRUBBING	ACRE	\$15,000.00								
3A	2105.601	DEWATERING	LUMP SUM	\$70,000.00								
4A	2123.501	COMMON LABORERS	HOUR	\$85.00								
5A	2123.503	MOTOR GRADER	HOUR	\$160.00								
6A	2573.502	SILT FENCE, TYPE MS	LIN FT	\$2.50								
7A	2574.508	FERTILIZER TYPE 1	POUND	\$1.00								
8A	2574.525	COMMON TOPSOIL BORROW	CU YD	\$20.00								
9A	2575.501	SEEDING	ACRE	\$800.00								
10A	2575.502	SEED MIXTURE 25-131	POUND	\$3.00								
11A	2575.505	SOODING TYPE LAWN	SQ YD	\$4.50								
12A	2575.562	HYDRALLIC MATRIX TYPE MULCH	POUND	\$8.00								
13A	2500.4D	INSULATION (4" x 8" x 2" THICK)	SQ YD	\$20.00								
14A	2611.4A	6" PVC WATERMAIN PIPE	LIN FT	\$47.00								
15A	2611.4A	8" PVC WATERMAIN PIPE	LIN FT	\$25.00								
16A	2611.4A	8" PE WATERMAIN PIPE - DIRECTIONAL DRILL	LIN FT	\$33.00								
17A	2611.4B	6" GATE VALVE & BOX w/ ADAPTOR	EACH	\$1,200.00								
18A	2611.4E	HYDRANT	EACH	\$4,100.00								
18A	2611.4	DUCTILE IRON WATERMAIN FITTINGS	POUND	\$2.35								
20A	-	8" WET TAP	EACH	\$4,300.00								
CHANGE ORDER 3												
1		INDEPENDENCE ROAD ADDITIONAL GRADING	LUMP SUM	\$1,440.00	1	\$1,440.00			1	\$1,440.00		
2		INGLEWOOD DRIVE ADDITIONAL GRADING	LUMP SUM	\$5,272.00								
3		WORK AROUND 8" GAS MAIN	LUMP SUM	\$1,350.00								
4		INGLEWOOD DRIVE WATERMAIN LOWERING	LUMP SUM	\$12,558.38								
5		FAIRVIEW ROAD FORCEMAIN	LUMP SUM	\$9,793.67								
TOTALS:												
AMOUNT RETAINED:												
RETAINAGE RELEASED												
PREVIOUS PAYMENTS												
AMOUNT DUE:												
					\$63,023.76		\$0.00			\$78,835.91		
							\$0.00			\$78,835.91		\$0.00

PARTIAL PAY ESTIMATE 6 - ATTACHMENT A
2015 DELLWOOD DRIVE, NOVOTNY ROAD, INGLEWOOD DRIVE AND
MUNICIPAL PROJECT NUMBERS 4063, 4105 AND 4107
 Friday, May 27, 2016

ITEM NO.	SPEC. NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE
BASE BID				
1	2021.501	MOBILIZATION	LUMP SUM	\$70,000.00
2	2101.501	CLEARING	ACRE	\$5,000.00
3	2101.502	CLEARING	TREE	\$150.00
4	2101.508	GRUBBING	ACRE	\$3,000.00
5	2101.507	GRUBBING	TREE	\$150.00
6	2104.501	REMOVE SEWER PIPE (STORM)	LN FT	\$10.00
7	2104.501	REMOVE WATER SERVICE PIPE	LN FT	\$10.00
8	2104.501	REMOVE CURB AND GUTTER	LN FT	\$5.00
9	2104.505	REMOVE BITUMINOUS PAVEMENT	SQ YD	\$11.80
10	2104.505	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$6.00
11	2104.509	REMOVE CONCRETE APRON	EACH	\$50.00
12	2104.509	REMOVE CATCH BASIN	EACH	\$100.00
13	2104.509	REMOVE SIGN TYPE C	EACH	\$25.00
14	2104.509	REMOVE VALVE BOX	EACH	\$200.00
15	2104.509	REMOVE CURB STOP & BOX	EACH	\$300.00
16	2104.509	REMOVE DELINEATOR	EACH	\$25.00
17	2104.511	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LN FT	\$5.00
18	2104.513	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LN FT	\$3.00
19	2104.521	SALVAGE FENCE	LN FT	\$37.00
20	2104.523	SALVAGE SIGN	EACH	\$25.00
21	2104.523	SALVAGE HYDRANT & VALVE	EACH	\$425.00
22	2104.523	SALVAGE PIPE APRON	EACH	\$100.00
23	2105.501	COMMON EXCAVATION (P)	CU YD	\$10.00
24	2105.505	MIXC EXCAVATION	CU YD	\$10.00
25	2105.522	COMMON BORROW (CV)	CU YD	\$8.40
26	2105.601	DEWATERING	LUMP SUM	\$62,000.00
27	2118.501	AGGREGATE SURFACING CLASS 5	TON	\$20.00
28	2123.501	COMMON ABSORBERS	TON	\$85.00
29	2123.503	MOTOR GRADER	HOUR	\$170.00
30	2123.610	STREET SWEEPER (WITH PICKUP BROOM)	HOUR	\$100.00
31	2130.501	WATER	M GALLON	\$30.00
32	2211.501	AGGREGATE BASE CLASS 3	TON	\$20.00
33	2211.503	AGGREGATE BASE CLASS 5 (P)	CU YD	\$10.00
34	2360.501	TYPE SP 9.5 WEARING COURSE MIXTURE (2,C)	TON	\$55.00
35	2501.514	18" RC PIPE CULVERT	LN FT	\$34.50
36	2501.515	12" RC PIPE APRON	EACH	\$400.00
37	2501.515	18" RC PIPE APRON	EACH	\$475.00
38	2501.523	18" RC PIPE APRON	EACH	\$350.00
39	2503.541	12" RC PIPE SEWER DES 3006 CL V	LN FT	\$28.00
40	2503.541	18" RC PIPE SEWER DES 3006 CL V	LN FT	\$30.00
41	2503.541	18" RC PIPE SEWER DES 3006 CL III	LN FT	\$32.00
42	2503.602	CONNECT TO EXISTING SANITARY SEWER	EACH	\$900.00
43	2503.602	CONNECT TO EXISTING MANHOLES (SAN)	EACH	\$2,400.00
44	2504.602	ADJUST VALVE BOX	EACH	\$200.00
45	2504.602	CONNECT TO EXISTING SEWER SERVICE	EACH	\$450.00
46	2504.602	CONNECT TO EXISTING WATER SERVICE	EACH	\$510.00
47	2503.603	CLEAN AND VIDEO TAPE PIPE SEWER - MAINLINE	LN FT	\$11.25
48	2503.603	CLEAN AND VIDEO TAPE PIPE SEWER - SERVICE	LN FT	\$11.25
49	2504.602	CONNECT TO EXISTING WATER MAIN	EACH	\$850.00
50	2506.501	CONST DRAINAGE STRUCTURE DESIGN SD-4B	LN FT	\$425.00
51	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN 4B-4020	LN FT	\$250.00
52	2506.516	CASTING ASSEMBLY	EACH	\$750.00
53	2506.522	ADJUST FRAME AND RING CASTING	EACH	\$350.00
54	2506.602	CONNECT INTO EXISTING STORM SEWER	EACH	\$500.00
55	2506.602	CONSTRUCT CONTROL STRUCTURE A	EACH	\$2,800.00
56	2511.501	RANDOM RIPRAP CLASS III	CU YD	\$65.00
57	2511.515	GEOTEXTILE FILTER TYPE IV	SQ YD	\$2.00
58	2531.501	CONCRETE CURB AND GUTTER DESIGN B624	LN FT	\$15.00
59	2531.503	CONCRETE MEDIAN	SQ YD	\$75.00
60	2531.507	8" CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$55.00
61	2531.507	8" CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$60.00
62	2531.604	8" CONCRETE VALVE & GUTTER	SQ FT	\$66.00
63	2531.618	TRUNCATED DOMES	SQ FT	\$40.00
64	2540.602	MAIL BOX SUPPORT	EACH	\$125.00
65	2540.602	TEMPORARY POSTAL SERVICE	EACH	\$100.00
66	2557.603	INSTALL FENCE	LN FT	\$20.00
67	2563.501	TRAFFIC CONTROL	LUMP SUM	\$8,000.00
68	2564.602	INSTALL SIGN	EACH	\$80.00
69	2564.602	INSTALL SIGN PANEL TYPE C	EACH	\$105.00
70	2564.602	FURNISH TYPE C SIGN	EACH	\$150.00
71	2573.502	8" FENCE TYPE MB	LN FT	\$22.50
72	2573.530	STORM DRAIN INLET PROTECTION	EACH	\$225.00
73	2573.535	STABILIZED CONSTRUCTION EXIT	EACH	\$600.00
74	2573.550	EROSION CONTROL SUPERVISOR	LUMP SUM	\$1,500.00
75	2573.602	CULVERT END CONTROLS	EACH	\$250.00
76	2574.506	FERTILIZER TYPE 1	POUND	\$1.00
77	2574.525	COMMON TOPSOIL BORROW	CU YD	\$0.01
78	2575.501	SEEDING	ACRE	\$800.00
79	2575.502	SEED MIXTURE 23-111	POUND	\$4.00
80	2575.502	SEED MIXTURE 25-131	POUND	\$3.50
81	2575.502	SEED MIXTURE 33-361	POUND	\$4.00
82	2575.505	SOODING TYPE LAWN	SQ YD	\$4.00
83	2575.511	MULCH MATERIAL TYPE 3	TON	\$425.00
84	2575.519	DISK ANCHORING	ACRE	\$200.00
85	2575.523	EROSION CONTROL BASKETS CATEGORY 3	SQ YD	\$2.00
86	2575.562	HYDRAULIC MATBOX TYPE MULCH	POUND	\$1.25
87	2582.501	PAVEMENT MESSAGE-PAINT	EACH	\$50.00
88	2582.502	4" SOLID LINE WHITE-PAINT	LN FT	\$0.30
89	2582.502	8" SOLID LINE WHITE-PAINT	LN FT	\$0.34
90	2582.502	4" SOLID LINE YELLOW-PAINT	LN FT	\$0.30
91	2582.502	12" SOLID LINE YELLOW-PAINT	LN FT	\$2.50
92	2582.502	4" BROKEN LINE YELLOW-PAINT	LN FT	\$0.30
93	2582.502	4" DOUBLE SOLID LINE YELLOW-PAINT	LN FT	\$0.60
94	2600.4D	INSULATION (4" x 8" x 2" THICK)	SQ YD	\$20.00
95	2611.4A	8" PVC WATERMAIN PIPE	LN FT	\$25.00
96	2611.4A	8" PVC WATERMAIN PIPE	LN FT	\$22.00
97	2611.4A	10" PVC WATERMAIN PIPE	LN FT	\$25.00
98	2611.4A	12" PVC WATERMAIN PIPE	LN FT	\$28.50
99	2611.4A	1" POLYETHYLENE SERVICE PIPE	LN FT	\$13.00
100	2611.4A	1.5" POLYETHYLENE SERVICE PIPE	LN FT	\$15.00
101	2611.4B	8" GATE VALVE & BOX w/ ADAPTOR	EACH	\$1,150.00
102	2611.4B	8" GATE VALVE & BOX w/ ADAPTOR	EACH	\$1,575.00
103	2611.4B	10" GATE VALVE & BOX w/ ADAPTOR	EACH	\$2,400.00
104	2611.4B	12" BUTTERFLY VALVE & BOX w/ ADAPTOR	EACH	\$2,000.00
105	2611.4B	VALVE OPERATOR EXTENSION	EACH	\$1,260.00
106	2611.4C	1.5" CORPORATION STOP & SADDLE	EACH	\$655.00
107	2611.4D	1" CURB STOP & BOX	EACH	\$635.00
108	2611.4D	1.5" CURB STOP & BOX	EACH	\$780.00
109	2611.4E	HYDRANT	EACH	\$4,050.00
110	2611.4G	INSTALL HYDRANT & VALVE	EACH	\$1,440.00
111	2611.4	DUCTILE IRON WATERMAIN FITTINGS	POUND	\$1.75
112	2611.4J	HYDRANT EXTENSION (12")	EACH	\$585.00
113	2611.4J	HYDRANT EXTENSION (18")	EACH	\$700.00
114	2611.4J	HYDRANT EXTENSION (24")	EACH	\$875.00
115	2611.4J	GATE VALVE BOX & ADAPTOR	EACH	\$435.00
116	2621.4A	8" PVC SEWER PIPE (SDR 26)	LN FT	\$24.50
117	2621.4A	10" PVC SEWER PIPE (SDR 26)	LN FT	\$27.00
118	2621.4B	SANITARY SEWER MANHOLE, MHOOT DESIGN 4007C	EACH	\$2,200.00
119	2621.4B1	MANHOLE EXCESS DEPTH	LN FT	\$100.00
120	2621.4F	4" PVC SERVICE PIPE (SDR 40)	LN FT	\$80.00
121	2621.4F	6" PVC SERVICE PIPE (SDR 40)	LN FT	\$115.00
122	2621.4G	8" X 8" PVC WYE	EACH	\$570.00
123	2621.4G	10" X 8" PVC WYE	EACH	\$650.00

TOTALS					
CONTRACT		THIS PERIOD		TOTAL TO DATE	
QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
1	\$70,000.00			1	\$70,000.00
0.52	\$2,600.00			0.52	\$2,600.00
58	\$8,700.00			58	\$8,700.00
0.32	\$2,000.00			0.32	\$2,000.00
22	\$8,700.00			22	\$8,700.00
58	\$220.00			58	\$220.00
20	\$200.00			20	\$200.00
78	\$390.00	133	\$665.00	211	\$1,055.00
16269	\$23,278.40	220	\$398.00	16489	\$23,676.40
49	\$284.00	8	\$48.00	57	\$332.00
1	\$50.00			1	\$50.00
1	\$100.00			1	\$100.00
19	\$475.00			19	\$475.00
2	\$400.00			2	\$400.00
3	\$900.00			3	\$900.00
5	\$125.00			5	\$125.00
441	\$2,205.00			441	\$2,205.00
330	\$990.00	372	\$1,116.00	702	\$2,106.00
2	\$200.00	2	\$200.00	4	\$400.00
7912	\$79,120.00			7912	\$79,120.00
1000	\$10,000.00			1000	\$10,000.00
7191	\$67,585.40			7191	\$67,585.40
0.85	\$58,900.00			0.85	\$58,900.00
28	\$520.00			28	\$520.00
26	\$170.00			26	\$170.00
28	\$170.00			28	\$170.00
32	\$3,200.00			32	\$3,200.00
100	\$3,000.00			100	\$3,000.00
173	\$3,465.00	168	\$3,360.00	341	\$6,825.00
4204	\$17,656.00	225	\$3,625.00	4429	\$21,281.00
1135.67	\$298,155.00	1135.67	\$62,461.85	2271.34	\$360,616.85
112	\$3,864.00	4	\$138.00	116	\$4,002.00
5	\$2,000.00			5	\$2,000.00
4	\$1,800.00			4	\$1,800.00
1	\$300.00	2	\$300.00	3	\$600.00
1203	\$33,684.00	8	\$224.00	1211	\$33,908.00
708	\$23,040.00			708	\$23,040.00
678	\$21,696.00			678	\$21,696.00
1	\$900.00			1	\$900.00
1	\$2,400.00			1	\$2,400.00
2	\$400.00			2	\$800.00
3	\$1,350.00			3	\$4,050.00
6	\$3,060.00			6	\$18,720.00
8	\$4,080.00			8	\$33,600.00
2778	\$97,275.00			2778	\$117,275.00
2	\$1,800.00			2	\$7,200.00
55.13	\$23,430.25			55.13	\$21,942.75
32.71	\$6,177.50			32.71	\$6,177.50
20	\$1,000.00			20	\$1,000.00
9	\$3,150.00			9	\$3,150.00
1	\$500.00			1	\$500.00
1	\$2,800.00			1	\$2,800.00
61.4	\$3,091.00			61.4	\$2,145.00
227	\$454.00			227	\$918.00
7110	\$106,650.00	248	\$3,720.00	7358	\$110,370.00
93	\$6,875.00			93	\$6,875.00
183	\$10,085.00	5	\$275.00	188	\$17,215.00
135	\$6,150.00			135	\$8,000.00
114	\$7,324.00	17	\$1,122.00	131	\$8,446.00
164	\$6,660.00			164	\$8,240.00
15	\$1,875.00			15	\$1,875.00
15	\$1,875.00			15	\$1,875.00
145	\$1,500.00			145	\$1,500.00
30	\$300.00			30	\$300.00
64	\$1,260.00	0.05	\$400.00	64	\$1,660.00
13	\$1,600.00			13	\$1,600.00
20	\$6,300.00			20	\$6,300.00

PARTIAL PAY ESTIMATE 6 - ATTACHMENT A
2015 DELLWOOD DRIVE, NOVOTNY ROAD, INGLEWOOD DRIVE AND
MUNICIPAL PROJECT NUMBERS 4063, 4105 AND 4107
 Friday, May 27, 2016

ITEM NO.	SPEC. NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	TOTALS							
					CONTRACT		THIS PERIOD		TOTAL TO DATE			
					QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT		
ALTERNATE BID A												
1A	2101.501	CLEARING	ACRE	\$15,000.00								
2A	2101.506	GRUBBING	ACRE	\$15,000.00	0.05	\$750.00			0.05	\$1,125.00		
3A	2105.601	DEWATERING	LUMP SUM	\$70,000.00	0.05	\$750.00			0.05	\$1,125.00		
4A	2123.501	COMMON LABORERS	HOURL	\$85.00	5	\$425.00						
5A	2123.503	MOTOR GRADER	HOURL	\$180.00	5	\$900.00						
6A	2573.502	SILT FENCE, TYPE MS	LIN FT	\$2.50	50	\$125.00						
7A	2574.508	FERTILIZER TYPE 1	POUND	\$1.00	27	\$27.00	27	\$27.00	27	\$27.00		
8A	2574.525	COMMON TOPSOIL BORROW	CU YD	\$20.00	49	\$980.00	49	\$980.00	49	\$980.00		
9A	2575.501	SEEDING	ACRE	\$80.00	0.1	\$80.00	0.1	\$80.00	0.1	\$80.00		
10A	2575.502	SEED MIXTURE 25-131	POUND	\$3.00	27	\$81.00	27	\$81.00	27	\$81.00		
11A	2575.505	SOODING TYPE LAWN	SG YD	\$4.50	116	\$522.00	116	\$522.00	116	\$522.00		
12A	2575.562	HYDRAULIC MATRIX TYPE MULCH	POUND	\$8.00	142	\$1,136.00	142	\$1,136.00	142	\$1,136.00		
13A	2600.4D	INSULATION (4" x 8" x 2" THICK)	SG YD	\$20.00	6.3	\$126.00			6.3	\$126.00		
14A	2611.4A	6" PVC WATERMAIN PIPE	LIN FT	\$47.00	6	\$282.00			6	\$282.00		
15A	2611.4A	8" PVC WATERMAIN PIPE	LIN FT	\$25.00	175	\$4,375.00			175	\$4,375.00		
16A	2611.4A	8" PE WATERMAIN PIPE - DIRECTIONAL DRILL	LIN FT	\$53.00	665	\$35,265.00		\$0.00	622	\$32,866.00		
17A	2611.4B	6" GATE VALVE & BOX w/ ADAPTOR	EACH	\$1,200.00	1	\$1,200.00			1	\$1,200.00		
18A	2611.4E	HYDRANT	EACH	\$4,100.00	1	\$4,100.00			1	\$4,100.00		
19A	2611.4	DUCTILE IRON WATERMAIN FITTINGS	POUND	\$2.35	615	\$1,445.25			765	\$1,844.75		
20A	-	8" WET TAP	EACH	\$4,300.00	1	\$4,300.00			1	\$4,300.00		
CHANGE ORDER 3												
1		INDEPENDENCE ROAD ADDITIONAL GRADING	LUMP SUM	\$1,440.00	1	\$1,440.00			1	\$1,440.00		
2		INGLEWOOD DRIVE ADDITIONAL GRADING	LUMP SUM	\$5,272.00	1	\$5,272.00			1	\$5,272.00		
3		WORK AROUND 8" GAS MAIN	LUMP SUM	\$1,350.00	1	\$1,350.00			1	\$1,350.00		
4		INGLEWOOD DRIVE WATERMAIN LOWERING	LUMP SUM	\$12,958.38	1	\$12,958.38			1	\$12,958.38		
5		FAIRVIEW ROAD FORCEMAIN	LUMP SUM	\$9,753.67	1	\$9,753.67			1	\$9,753.67		
TOTALS:												
AMOUNT RETAINED:						\$1,560,803.62		\$82,260.35		\$1,635,287.52		
RETAINAGE RELEASED:										\$77,823.08		
PREVIOUS PAYMENTS:										\$1,438,854.96		
AMOUNT DUE:								\$36,359.13		\$118,619.48		



MEMO

Date: June 1, 2016
To: **Baxter Utilities Commission**
From: Aric Welch
Cc: Trevor Walter
Project Name: Lift Station No. 8 Reconstruction
Project No.: 0102B0375.000
Subject: **Project Update**

Brainerd/Baxter
7804 Industrial Park Road
PO Box 2720
Baxter, MN 56425-2720

218.829.5117
218.829.2517
Brainerd@wsn.us.com

WidethSmithNolting.com

Summary of Work Completed Since Last Update

The insurance, bonds and contract documents have been reviewed and approved by the City Attorney. The Agreement has been signed and the Notice to Proceed was issued on May 18, 2016. Shop drawing review is currently underway.

Project Schedule

We have requested a detailed schedule from the Contractor. The intent is to complete the project before the start of 2016 Mill and Overlay project to avoid construction conflicts and marring of the new roadway surface. Substantial Completion, in accordance with the contract documents, is August 12, 2016.

**Polymer Feed System
Baxter, MN
Progress Report
May 31, 2016**

The polymer feed system was started on April 20, 2016 with the feed rate of 0.25 mg/L at the influent of the detention basin. The results showed that the filter run length increased to 20.5 hours from about 14 hours. The filter run was terminated at 20.5 hours because of high iron in filters 2 and 4.

The feed rate was then increased to 0.50 mg/L on May 6, 2016. The results showed that the filter run increased to 24.1 hours. The filter run was terminated at 24.1 hours because of high iron in filter 2 and 4. One additional run was completed on May 8, 2016 with the polymer feed rate of 0.5 mg/L. The run was terminated after a 24 hour filter run. The unit filter run volume increased from 1200 gallons to 1821 gallons, a substantial increase.

The polymer feed rate was increased to 0.75 mg/L on May 9, 2016 and the filter run was terminated after 21.5 hours as the iron levels in the filter 2 effluent increased to 4 mg/L. Bench scale testing during the plant evaluation study had shown that optimum feed rate was 0.75 mg/L.

The feed rate was decreased to 0.5 mg/L on May 11, 2016. The sludge levels in the detention basin increased to 9" and the filter run was 24.1 hours with VFRV of 1,821 gallons. The iron in the detention basin influent was measured as 3.85 mg/L and the detention basin effluent was 3.42 mg/L showing some removal of iron in the detention basin.

The polymer feed was stopped on May 14, 2016 as it was noticed that the polymer was being carried over to the filters and the backwash was not very effective in removing the polymer. Kevin will make adjustments to lower the level in the filter before starting the air/water simultaneous backwash while slightly decreasing the high rate backwash.

The decanter system, when installed, will allow the recycle of the backwash water in the backwash recovery basin to start after only one hour compared to three hours at present.

TROUGH INSTALLATION SCHEDULE
 BAXTER WATER PLANT
 BAXTER, MN

ID	Task Name	Duration	Start	Finish	2017																		
					Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar									
1	Utility Commission Approval To Proceed	1 day?	Wed 6/8/16	Wed 6/8/16																			
2	Utility Commission Approval of Engineering Contract	1 day?	Wed 7/6/16	Wed 7/6/16																			
3	Council Approval of Engineering Contract	1 day?	Tue 7/19/16	Tue 7/19/16																			
4	Utility Commission Approval of Plans & Specs	1 day?	Wed 8/3/16	Wed 8/3/16																			
5	MN Department of Health Review	20 days	Thu 8/4/16	Wed 8/31/16																			
6	Council Approval of Plans & Specs	1 day?	Tue 8/16/16	Tue 8/16/16																			
7	Bidding	15 days	Fri 8/19/16	Thu 9/8/16																			
8	Utility Commission Approval of Bids	1 day?	Wed 10/5/16	Wed 10/5/16																			
9	Shop Drawing Review	10 days	Thu 10/6/16	Wed 10/19/16																			
10	Council Approval of Bids & Award	1 day?	Tue 10/18/16	Tue 10/18/16																			
11	Trough Manufacturing	80 days	Wed 10/19/16	Tue 2/7/17																			
12	Trough Installation	20 days	Wed 2/8/17	Tue 3/7/17																			
13	Punch List items	5 days	Wed 3/8/17	Tue 3/14/17																			

POLICY FOR REQUESTS FOR PROPOSALS FOR PROFESSIONAL SERVICES

I. PURPOSE AND NEED FOR POLICY

The City Council of Baxter recognizes its responsibility to institute financial best management practices to maintain prudent financial management of public funds and to ensure the City is getting maximum value for its expenditures for the benefit of its residents and businesses.

II. APPLICATION OF POLICY

Requests for Proposals (RFPs) will generally be used to solicit proposals from consultants for professional services not required to be competitively bid.

III. POLICY REQUIREMENTS

A. Frequency of Issuing Requests for Proposals

<u>Professional Service</u>	<u>RFPs Issued</u>
Audit Services	Every 3 years
Banking Services	Every 3 years
Engineering Services	Every 3 years
Financial Advisor Services	Every 3 years
Legal Services (bond counsel)	Every 3 years
Legal Services (civil)	Every 3 years
Legal Services (prosecution services)	Every 3 years

B. Amount of Expenditure Generally Requiring Issuing Requests for Proposals

Professional service contracts outside the scope of services normally associated with the above designations, and exceeding a city cost of \$15,000 or have a value to the solicitor in excess of \$15,000.

Staff will seek direction from the City Council regarding the issuance of RFPs for special projects that are outside the normal scope of services for which the above service providers are designated. (For example, if the city engages in a financial management project outside the normal scope of the annual audit for an estimated cost of more than \$15,000, staff would seek direction from the Council regarding the issuance of RFPs, prior to bringing forth a proposal or contract solely from the city's designated auditing firm. The same would apply for an engineering project that exceeds the normal noncontract ongoing services provided by the designated city engineer and is in excess of \$15,000.)

C. Requests for Proposals May be Initiated by Staff

City staff may propose to the Council that RFPs be issued for professional services whenever staff believes it to be in the best interest of the city to do so, notwithstanding the schedule and cost thresholds established within this policy.

D. Council Discretion

This policy is intended to provide a guideline to the Council and staff. The Council retains the discretion to competitively bid professional services if it so chooses, and may deviate from the schedule and thresholds established within this policy for issuing RFPs when determined to be in the best interest of the City.

Adopted February 3, 2010



MEMO

Date: May 31, 2016
To: Kevin Cassady, Trevor Walter
From: Mark Hallan
Cc: Aric Walsh
Project Name: Water Treatment Plant Electrical Generator
Project No.: 0102B0000.076
Subject: Budget Costs

Brainerd/Baxter
7804 Industrial Park Road
PO Box 2720
Baxter, MN 56425-2720
218.829.5117
218.829.2517
Brainerd@wsn.us.com
WidethSmithNoltling.com

Wideth Smith Noltling worked with Randy Praught of Holden Electric Co. and representatives from Ziegler Power Systems (Cat) and Pioneer Critical Power Inc. (Generac) to develop budget figures for electrical generator installation at the water treatment plant. Specification Section 16200 – Standby Power Generation System from the water treatment plant project in 2006 was used as the start/base to develop a project cost estimate for 2017 budget planning by the City. Note that this specification section called for a “walk-in” type enclosure at a considerable cost of almost 6 figures. Both Cat and Generac representative suggested this feature not be included due to the cost. Cost estimates for options considered do **not** include a “walk-in” type enclosure.

Option A: \$450,000

This option is for a 1,000 kW diesel generator per the original specification, except as noted above. The equipment cost of \$220,000 in the estimate is a weighted average between the budget figures provided by Cat and Generac.

Option B: \$375,000

Pioneer Critical Power Inc. evaluated the HP and starting sequence outlined in 1.06.B. of the specification from 2006. Controls and generator equipment utilized by Generac in 2016 would allow the current and future HP demand to be met with a 750 kW diesel generator. The equipment cost is \$170,000 or \$50,000 less than equipment in option A. Along with other items the overall cost reduction is \$75,000 for the City.

Option C: \$280,000

The original specification had a future 125 HP high service pump and two 40 HP well pumps included for sizing the generator. Generac was asked to evaluate the existing water plant HP with respect to generator sizing. They determined a 500 kW diesel generator would allow the City to operate the current plant with three of the existing 40 HP wells running. Cost of the diesel generator is ½ of the 750 kW size, which is the major part of the \$95,000 reduction compared to option B. Note that Generac does recommend the City provide a MPS system to allow a second electrical generator be added in the future. This is a \$13,000 cost (line item 11 in the cost estimate) but is recommended if the City considers this option for their 2017 budget.

Option A - 1000kW Diesel Generator Cost Estimate				
Item No.	Description	Equipment/ Materials	Labor/ Installation	Total
1	Mobilization, Bonding, Insurance, Administrative		\$ 30,000.00	\$ 30,000.00
2	Sawcut existing slab, extend conduits to proper location for diesel generator to be installed	\$ 1,500.00	\$ 8,500.00	\$ 10,000.00
3	Install electrical/signal wiring for generator and controls - ATS is existing	\$ 20,000.00	\$ 10,000.00	\$ 30,000.00
4	Install controls for diesel generator	\$ 5,000.00	\$ 15,000.00	\$ 20,000.00
5	Unload and install diesel generator, includes mobilization of crane and horizontal transfer system	\$ 10,000.00	\$ 40,000.00	\$ 50,000.00
6	1000kW diesel generator (FOB Baxter, MN)	\$ 220,000.00		\$ 220,000.00
7	Load bank test		\$ 2,500.00	\$ 2,500.00
8	Initial diesel fuel fill (1,800 gallons)	\$ 4,500.00		\$ 4,500.00
9	Water Plant Controls Update	\$ 500.00	\$ 3,500.00	\$ 4,000.00
10	Generator Startup and Testing		\$ 1,500.00	\$ 1,500.00
				\$ -
				\$ -
				\$ -
	Equipment/Materials Sales Tax (7.375%)	\$ 19,285.63		\$ 19,285.63
TOTAL ESTIMATED CONSTRUCTION COSTS				\$ 391,785.63
PROJECT CONTINGENCY (10%)				\$ 39,178.56
FINAL DESIGN, BIDDING, CONSTRUCTION OBSERVATION, PERMITTING (5%)				\$ 19,589.28
TOTAL ESTIMATED BUDGET				\$ 450,553.47

Option B - 750kW Diesel Generator Cost Estimate				
Item No.	Description	Equipment/ Materials	Labor/ Installation	Total
1	Mobilization, Bonding, Insurance, Administrative		\$ 28,000.00	\$ 28,000.00
2	Sawcut existing slab, extend conduits to proper location for diesel generator to be installed	\$ 1,500.00	\$ 8,500.00	\$ 10,000.00
3	Install electrical/signal wiring for generator and controls - ATS is existing	\$ 18,000.00	\$ 10,000.00	\$ 28,000.00
4	Install controls for diesel generator	\$ 5,000.00	\$ 13,000.00	\$ 18,000.00
5	Unload and install diesel generator, includes mobilization of crane and horizontal transfer system	\$ 10,000.00	\$ 35,000.00	\$ 45,000.00
6	750kW diesel generator (FOB Baxter, MN)	\$ 170,000.00		\$ 170,000.00
7	Load bank test		\$ 2,000.00	\$ 2,000.00
8	Initial diesel fuel fill (1,500 gallons)	\$ 3,750.00		\$ 3,750.00
9	Water Plant Controls Update	\$ 500.00	\$ 3,500.00	\$ 4,000.00
10	Generator Startup and Testing		\$ 1,500.00	\$ 1,500.00
				\$ -
				\$ -
				\$ -
	Equipment/Materials Sales Tax (7.375%)	\$ 15,395.31		\$ 15,395.31
TOTAL ESTIMATED CONSTRUCTION COSTS				\$ 325,645.31
PROJECT CONTINGENCY (10%)				\$ 32,564.53
FINAL DESIGN, BIDDING, CONSTRUCTION OBSERVATION, PERMITTING (5%)				\$ 16,282.27
TOTAL ESTIMATED BUDGET				\$ 374,492.11

Option C - 500kW Diesel Generator Cost Estimate - Setup for future parallel 300kW				
Item No.	Description	Equipment/ Materials	Labor/ Installation	Total
1	Mobilization, Bonding, Insurance, Administrative		\$ 26,000.00	\$ 26,000.00
2	Sawcut existing slab, extend conduits to proper location for diesel generator to be installed	\$ 1,500.00	\$ 8,500.00	\$ 10,000.00
3	Install electrical/signal wiring for generator and controls - ATS is existing	\$ 15,000.00	\$ 10,000.00	\$ 25,000.00
4	Install controls for diesel generator	\$ 5,000.00	\$ 15,000.00	\$ 20,000.00
5	Unload and install diesel generator, includes mobilization of crane and horizontal transfer system	\$ 10,000.00	\$ 35,000.00	\$ 45,000.00
6	500kW diesel generator (FOB Baxter, MN)	\$ 85,000.00		\$ 85,000.00
7	Load bank test		\$ 1,500.00	\$ 1,500.00
8	Initial diesel fuel fill (1,000 gallons)	\$ 2,500.00		\$ 2,500.00
9	Water Plant Controls Update	\$ 500.00	\$ 3,500.00	\$ 4,000.00
10	Generator Startup and Testing		\$ 1,500.00	\$ 1,500.00
11	MPS Provisional Configuration for future 300kW electrical generator	\$ 12,000.00	\$ 1,000.00	\$ 13,000.00
				\$ -
				\$ -
	Equipment/Materials Sales Tax (7.375%)	\$ 9,698.13		\$ 9,698.13
TOTAL ESTIMATED CONSTRUCTION COSTS				\$ 243,198.13
PROJECT CONTINGENCY (10%)				\$ 24,319.81
FINAL DESIGN, BIDDING, CONSTRUCTION OBSERVATION, PERMITTING (5%)				\$ 12,159.91
TOTAL ESTIMATED BUDGET				\$ 279,677.84

**LIMITED USE AGREEMENT
(14639 Grand Oaks Drive)**

THIS AGREEMENT made and entered into as the ___ day of _____, 2016 by and between the City of Baxter, a Minnesota municipal corporation ("City") and Larry and Barbara Herbst, Husband and wife ("Homeowner's").

WITNESSETH:

WHEREAS, Homeowner's is the owner of land having a street address of 14639 Grand Oaks Drive and legally described as follows":

Lot 6, Block 5, JMS Baxter Estates; and

WHEREAS, Homeowner's have a plan for landscaping rock and 2-foot high retaining wall that will be located on the homeowner's property at the above address;

NOW, THEREFORE, it is stipulated and agreed by and between the parties hereto as follows:

1. **Term.** Homeowner's will install and maintain Improvements on City property in conformance with the attached Exhibit A; and maintain the same until the removal is directed by the City per Paragraph 3 of this agreement entitled "Termination". No storage or other display is allowed in the subject right-of-way area.
2. **Maintenance.** Homeowner's shall at all times keep and maintain the area used for the improvements described in Exhibit A in a good state of repair and agrees to indemnify and save harmless the City, its officers, agents and employees from any claim for personal injury, property damage or death occasioned by the location or maintenance of the encroachments on the City property. Homeowners also waives and releases the City from any claims which Homeowners may have against the City for damage to the encroachments resulting from activities conducted by the City on the City property except for such gross negligence or willful acts of the City (which proximately cause damage to the improvements) for which the City would be (according to then applicable municipal or state laws) otherwise liable to similarly suited property owners. Nothing in his agreement shall be construed as a waiver by the City of any immunity, defenses, or other limitations on liability to which the City is entitled by law, including but not limited to the minimum monetary amounts on liability established by Minnesota Statutes Chapter 466.
3. **Termination.** The City may terminate this agreement at any time, for good cause as determined by the City Council, by giving the Homeowners a 180-day written notice of termination. Homeowners hereby releases and waives any claim, which they may have for damages resulting from the termination of this agreement including the impact that the removal of the parking may have on the businesses or on their ability to legally continue. The Homeowners also indemnifies and holds the City harmless from any third party claims in the event of termination of this Agreement. Unless the Improvements are removed from the City Property during

that period, the Improvements, which are located on City property, shall become the exclusive property of the City. The City may remove the Improvements and assess the cost in the form of a lien against the Subject Property and may levy a special assessment in the manner provided by Minnesota Statutes Chapter 429.

Homeowner's acknowledges that the removal of the improvements from City Property shall constitute a benefit to the Subject Property for the purposes of Minnesota Statutes Chapter 429. Homeowner's hereby waives the right to object to the aforementioned special assessment pursuant to Minnesota Statutes Chapter 429.

4. **Successors and Assigns.** Subject to the termination provisions of this Agreement, this Agreement may be assigned to any successor or assign of any or all of the Homeowners or the City's interest in the Subject Property or City Property, respectively.
5. **Recording.** The Homeowner's shall pay the City of Baxter for recording this agreement among the land records for the property described above.

IN TESTIMONY WHEREOF, the parties hereto have caused this agreement to be executed as of the day and year first above written.

CITY OF BAXTER

By _____
Its Mayor

By _____
Its City Clerk

HOMEOWNERS

By _____
Larry Herbst

By _____
Barbara Herbst

State of Minnesota)
)ss
County of Crow Wing)

The foregoing instrument was acknowledged before me this ____ of _____, 2016,
by Darrel Olson and Kelly Steele, the Mayor and City Clerk, respectively, of the City of Baxter,
a Minnesota Municipal corporation on behalf of the City.

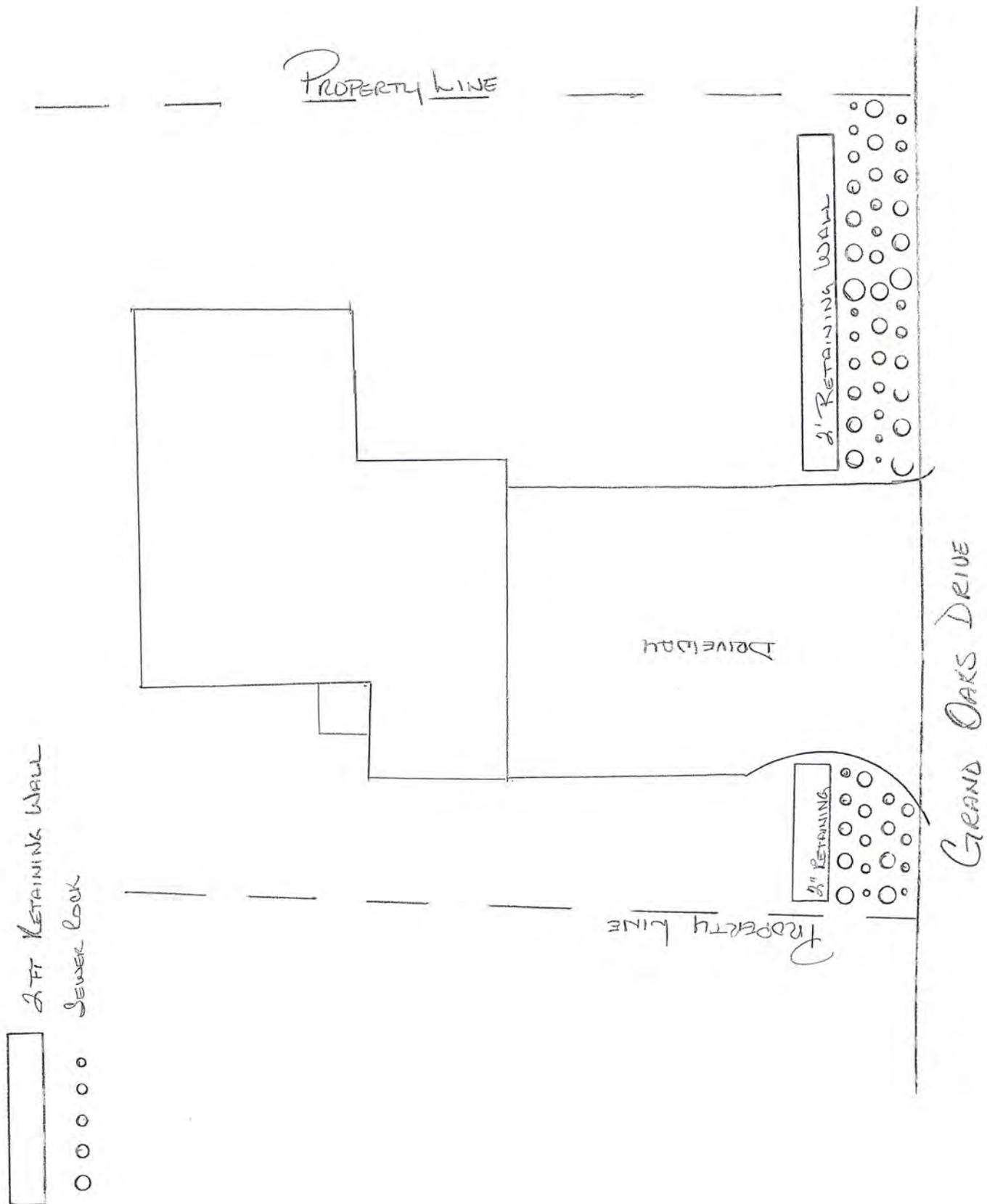
Notary Public

State of Minnesota)
)ss
County of Crow Wing)

The foregoing instrument was acknowledged before me this ____ of _____, 2016,
by Larry & Barbara Herbst, husband and wife, Homeowner's.

Notary Public

Drafted by:
The City of Baxter
13190 Memorywood Drive
Baxter, MN 56425
(218) 454-5100





14639 Grand Oaks Drive



1: 279

46.5 Feet

23.25

0

46.5

NAD_1983_HARN_Adj_MN_Crow_Wing_Feet
City of Baxter

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.
THIS MAP IS NOT TO BE USED FOR NAVIGATION

-106-

State Hwy 210

48

Legend

Streets

Locations

Current

Pending

Vacant

Retired

Other

Parcels

Land Use Cases

Encumbrances

Municipal Boundaries

Historical Parcels

2013 Imagery

Red: Band_1

Green: Band_2

Blue: Band_3

Notes

**AMENDMENT TO LIMITED USE AGREEMENT
(13760 Bluestem Ct.)**

THIS AGREEMENT made and entered into as the ___ day of _____, 2016 by and between the City of Baxter, a Minnesota municipal corporation ("City") and On the Wing Investments, LLC ("Developer").

WITNESSETH:

WHEREAS, Developer is the owner of land having a street address of 13760 Bluestem Ct. and legally described as follows":

Lot 1, Block 1, Fairview Office Park; and

WHEREAS, the City Council approved the installation and maintenance of a freestanding sign, interpretive sign, solar electric generation panels, and infiltration basin ("improvements") on adjacent **Fairview Road** right- of-way on **September 19, 2006** as set forth in the Limited Use Agreement filed for record on May 17, 2007 as Document A0729723; and

WHEREAS, the parties would like to amend said limited use agreement to further allow private landscaping improvements including plantings and landscaping rocks as depicted on Exhibit A attached hereto.

NOW, THEREFORE, it is stipulated and agreed by and between the parties hereto as follows:

1. **Other than the additional private improvements in the City Right of Way, which shall be allowed by the City subject to the terms of this Agreement, the terms of the original agreement remain unchanged and in full force and affect.**

IN TESTIMONY WHEREOF, the parties hereto have caused this agreement to be executed as of the day and year first above written.

CITY OF BAXTER

By _____
Its Mayor

By _____
Its City Clerk

DEVELOPER

By **On the Wings Investments, LLC**

By _____
Janelle R. Riley
Title: Chief Financial Manger

By _____
Title: _____

State of Minnesota)
)ss
County of Crow Wing)

The foregoing instrument was acknowledged before me this ____ of _____, 2016,
by Darrel Olson and Kelly Steele, the Mayor and City Clerk, respectively, of the City of Baxter,
a Minnesota Municipal corporation on behalf of the City.

Notary Public

State of Minnesota)
)ss
County of Crow Wing)

The foregoing instrument was acknowledged before me this ____ of _____, 2016,
by Janelle R. Riley, Chief Financial Manager, On the Wings Investment, LLC a Minnesota
limited company, on behalf of the limited liability company.

Notary Public

Baxter - Water Service Line Responsibility

HomeServe®

14903 FRANKLIN DR.
BAXTER, MN 56425-8442

10



Date:
May 11, 2016

Status:
Not Covered

Property location:
14903 Franklin Dr.

Water Line Information

What you need to know

The water line buried underground on your property belongs to you. Your water company is not responsible for the cost of repairs. Replacing this line may cost you thousands of dollars in unforeseen expenses.

Water lines deteriorate over time. Many factors contribute to line breakdowns – things such as age, soil condition, ground shifting and corrosion to name a few. Because the line is buried underground it makes a failure almost impossible to predict.

This letter provides eligible homeowners with benefit information to help protect them from costly water service line repairs. For as little as \$5.49 a month, Exterior Water Service Line Coverage from HomeServe is available for your property at 14903 Franklin Dr.

Benefit Review:

Maximum Benefit.....	\$6,000 annual coverage (30-day wait period with a money-back guarantee)
Service Call Benefit.....	multiple, up to your annual benefit amount for covered repairs
Deductible.....	\$0.00 for plan members

Important

The enclosed form has been supplied so you can easily activate *optional* coverage. Complete and return the form or call 1-877-444-7750.

For fastest processing, visit www.HSServicePlan.com and enter Ref # MGYV-KW4Z.

Response requested within 30 days.

For more details see the enclosed materials.

HomeServe USA Repair Management Corp. ("HomeServe"), with corporate offices located at 601 Merritt 7, 6th Floor, Norwalk, CT 06851, is an independent company separate from your local utility or community and offers this optional service plan as an authorized representative of the contract issuer, AMT Warranty Corp., 59 Maiden Lane, 43rd Floor, New York, NY 10038.

2064-2001-SI05-1-10-1:35

1605HSXXXXXXZ

1605_HS_SD

ADDITIONAL DETAILS:

Important Coverage Information: Eligibility: A residential homeowner with sole responsibility for the exterior water service line may be eligible for coverage. Residences not affixed to a permanent foundation, recreational vehicles and properties used for commercial purposes are not eligible for coverage. If you live in a development community with a condominium, co-op or homeowners association, your exterior water service line may not be an individual homeowner's responsibility, so please check with your association before accepting this coverage. Benefit Details: Coverage provides, up to the benefit amount, for the covered cost to repair or replace a leaking or permanently blocked exterior water service line from your property boundary or well casing to the external wall of your home that is damaged due to normal wear and tear, not accident or negligence. Not covered: Repair to any exterior water service line that branches off the main line, accidents and damage or negligence caused by you or others. Additional exclusions apply. Making a Service Call: Your plan starts the day your form is processed, and there is an initial 30-day waiting period before you can make a service call, giving you 11 months of coverage during the first year. This prevents service calls on pre-existing conditions and helps keep the coverage affordable. Cancellation: You may cancel within 30 days of your start date for a full refund; cancellations after the first 30 days will result in a pro-rata refund less any claims paid (where applicable). Most basic homeowners insurance policies and local utility companies do not cover repair or replacement of this line. If you find you have similar coverage, you can contact HomeServe to cancel and you will receive a refund of your service agreement fee, less any claims paid (where applicable). Renewal: Your coverage is based on an annual contract. For E-Z Pay, credit card or debit card customers: regardless of the payment frequency you select, your service agreement will be automatically renewed annually on the same payment terms selected, at the then-current renewal price. Your coverage will remain in effect unless you call to discontinue.

To see full Terms and Conditions with complete coverage and exclusion details prior to enrolling call 1-877-444-7750 or go to www.HSServicePlan.com. HomeServe is an independent company, separate from your local utility or community, providing emergency home repair services and protection solutions to homeowners across the U.S. If you have questions about this mailing or to be removed from our mailing list, call 1-855-321-9871.

E-Z Pay: A paperless and stress-free way to pay for your coverage. Payments are automatically debited from the bank/checking account of your choice as your payment becomes due, at no additional cost.

PLEASE COMPLETE AND RETURN THE ACTIVATION FORM

Visit www.HSServicePlan.com
or CALL TOLL-FREE 1-877-444-7750
Available Mon-Fri 8am-8pm | Sat 10am-4pm EST



25 Stormwater Facts on the 25th Anniversary of MS4

November 24, 2015

It's been 25 years since the Environmental Protection Agency began the Phase I Municipal Separate Storm Sewer System (MS4) permit program in November of 1990.

The NPDES MS4 permit is designed to protect our rivers, lakes and streams from polluted stormwater runoff. In honor of the anniversary, we connected with SEH MS4 specialist April Ryan, PE, who shared some key facts about stormwater, stormwater pollution, permitting and MS4.

1. Stormwater is precious and powerful. Stormwater is precipitation (rain or snowmelt) that falls to the ground then flows over land rather than percolate into the ground. In essence, it is the combination of earth's most precious resource, water, and its most ubiquitous force, gravity. An inch of rain on an acre of land is equivalent to 27,154 gallons. It weighs about 113 tons. That's powerful.

2. Stormwater affects the water you drink. When precipitation hits the ground, some water trickles down into groundwater aquifers, while the rest flows on the surface to lakes, streams and rivers. Depending on where you live, your drinking water comes from either surface water (lakes and rivers) or a groundwater aquifer.

3. Today's stormwater moves faster than ever. Prior to urbanization, the majority of precipitation was naturally, and slowly, filtered by soil and grasses. As development occurred and pavements became widely used, stormwater conveyance systems (ditches, gutters, storm sewers) were constructed which quickly transport water from streets to surface waters, like lakes, rivers, wetlands and streams. The NPDES permit program controls water pollution by requiring MS4s to treat stormwater prior to discharging into surface waters.

4. Polluted stormwater runoff is the number one water pollutant. As stormwater moves across developed areas it picks up garbage, debris, sediment, chemicals, automotive fluids, fertilizers, leaves and other pollutants from parking lots, yards, streets, roofs and other hard surfaces. If left untreated, these enter directly into our waterways.

5. Stormwater pollution is classified in two ways. Water pollution comes either from “point” or “nonpoint” sources. A point source is identifiable, such as a pipe or drain discharging a pollutant directly into a body of water. A nonpoint source is more difficult to define. It entails all the polluted stormwater within a certain geography, like a watershed, for example.

6. An MS4 battles against stormwater pollution. MS4 refers to conveyance or system of conveyances (including roads with drainage systems, streets, catch basins, curbs, gutters, ditches, man-made channels, and storm drains) which is owned or operated by a state, city, town, county, district, association, or other public body (created by or pursuant to state law).

7. There are many stormwater pollution culprits. Significant stormwater pollutants include:

Sediment

Oil, grease, and toxic chemicals from motor vehicles

Fertilizers and pesticides used on lawns, gardens, roadways, etc.

Viruses and bacteria from pet waste and failing septic systems

Litter and trash from motorists, pedestrians and businesses

8. MS4s were born out of the Clean Water Act. MS4s are regulated by the National Pollutant Discharge Elimination System/State Disposal System (NPDES/SDS) permit program. The NPDES permit was enacted in 1972 as part of the pivotal Clean Water Act.

9. There are over 7,450 MS4s in the country. As populations continue to grow, so will the number of MS4s.

10. Population and location determine the regulated MS4s. Although large communities are generally associated with the MS4 program, a regulated MS4 can include smaller public entities located in urbanized areas and/or located near specific water resources.



A [stormwater feature \(/news/surface-water-centerpiece\)](#) slows down fast-moving water flows while filtering debris in Oakdale, Minnesota.

11. There are two kinds of MS4s. Phase I, issued in 1990, requires medium and large cities or certain counties with populations of 100,000 or more to obtain NPDES permit coverage for their stormwater discharges. There are approximately 750 Phase I MS4s in the United States. Phase II, issued in 1999, requires regulated small MS4s in [urbanized areas](#) (<http://water.epa.gov/polwaste/npdes/stormwater/Urbanized-Area-Maps-for-NPDES-MS4-Phase-II-Stormwater-Permits.cfm>), as well as small MS4s outside the urbanized areas that are designated by the permitting authority, to obtain NPDES permit coverage for their stormwater discharges. There are approximately 6,700 Phase II MS4s in the United States.

12. Permitting is different for Phase I versus Phase II MS4s. Each regulated MS4 is required to develop and implement a stormwater management program (SWMP) to reduce the contamination of stormwater runoff and prohibit illicit discharges. Generally, Phase I MS4s are covered by individual permits and Phase II MS4s are covered by a general permit.

13. An MS4 is above and below ground. Not always just a system of underground pipes, an MS4 can include roads with drainage systems, gutters, and ditches.

-116-

14. MS4s are often misinterpreted and misunderstood. The term MS4 does not solely refer to municipally-owned storm sewer systems. The term has a much broader application that can include, State departments of transportation, universities, counties, townships, local sewer districts, hospitals, military bases, and even prisons.

15. An MS4 reduces stormwater pollution in six ways. Once classified as an MS4, an entity must meet requirements outlined in six minimum control measures to minimize stormwater pollution. They are:

- public education and outreach
- public involvement and participation
- illicit discharge detection and elimination
- construction site stormwater runoff control
- post-construction stormwater management
- pollution prevention/good housekeeping for municipal operations

16. Education is one of the most important tools against stormwater pollution. It takes individual behavior change and proper practices to control stormwater pollution. The following common individual behaviors have the potential to negatively impact our water resources:

- littering
- disposing of trash and recyclables
- disposing of pet-waste
- applying lawn-chemicals
- washing cars,
- changing motor-oil on impervious driveways
- household behaviors like disposing leftover paint and household chemicals

17. Clean stormwater needs many voices. MS4s are required to provide opportunities for the public to provide input on development, implementation, and review of an MS4's stormwater management program.

18. Illicit discharges occur every day and are 100% preventable. An illicit discharge includes any discharge to the municipal separate storm sewer system that is not composed entirely of storm water.

19. Sediment-laden stormwater runoff endangers fish and aquatic vegetation. Stormwater from construction sites can often contain large amounts of sediment. If allowed to enter the MS4 system and

waterbodies without proper treatment, sediment can reduce the amount of sunlight reaching aquatic plants, clog fish gills, smother aquatic habitat and spawning areas, and impede navigation.



Ducks on the recently rehabilitated Kinnickinnic River near urban Milwaukee, Wisconsin.

20. Development is outpacing population growth. Over the last 20 years, the rate of land development has been twice the rate of population growth. This has increased stormwater volume and degraded water quality, which can harm lakes, rivers, streams, and coastal areas. To help mitigate stormwater impacts from development the MS4 program requires the use of stormwater treatment practices to treat, store, and infiltrate stormwater before entering our valued water resources.

21. When we can't stop it, we offset it. Regulated MS4s conduct numerous activities that can create potential stormwater pollution including winter road maintenance, minor road repairs and other infrastructure work, automobile fleet maintenance, landscaping and park maintenance, and building maintenance. MS4s are required to offset these potential pollution generating activities by implementing practices such as parking lot and street sweeping and storm drain system cleaning.

22. A city block creates five times more runoff. Due to hard surfaces like pavement and rooftops, a typical city block generates more than five times more runoff than a woodland area of the same size.

-118-

23. Cleaner stormwater means cleaner surface water. About 77 percent of the freshwater used in the United States comes from surface-water sources. The other 23 percent comes from groundwater. Surface water is an important natural resource used for many purposes, the most important is drinking water and food growth.

24. Stormwater begins in your yard. The rainwater or snowmelt from your roof, sidewalks and driveways are the beginning of the stormwater system. From there it flows through a system of conveyances (ditches, hidden pipes and drains) into our local waterways.

25. Everyone can help battle stormwater pollution. There are dozens of ways all of us can help reduce stormwater pollution. Don't overwater your lawn. Wash your car in the grass, not in the driveway. Use fertilizers sparingly. There are many others. For more information, visit www.epa.gov (<http://www.epa.gov>).

About the Expert

April Ryan is a Senior Water Resources Engineer with over 11 years of experience assisting clients on a range of municipal and water resources projects. April is located in SEH's St. Cloud office and serves as SEH's lead water resources engineer for project needs throughout SEH's northern and western Minnesota offices including St. Cloud, Hutchinson, Grand Rapids, Duluth, Virginia, and Brainerd. She has a bachelor's degree in Civil Engineering with a minor in Mathematics from the University of North Dakota and is a licensed professional engineer in Minnesota. April is a current board member for the Minnesota Erosion Control Association (MECA).

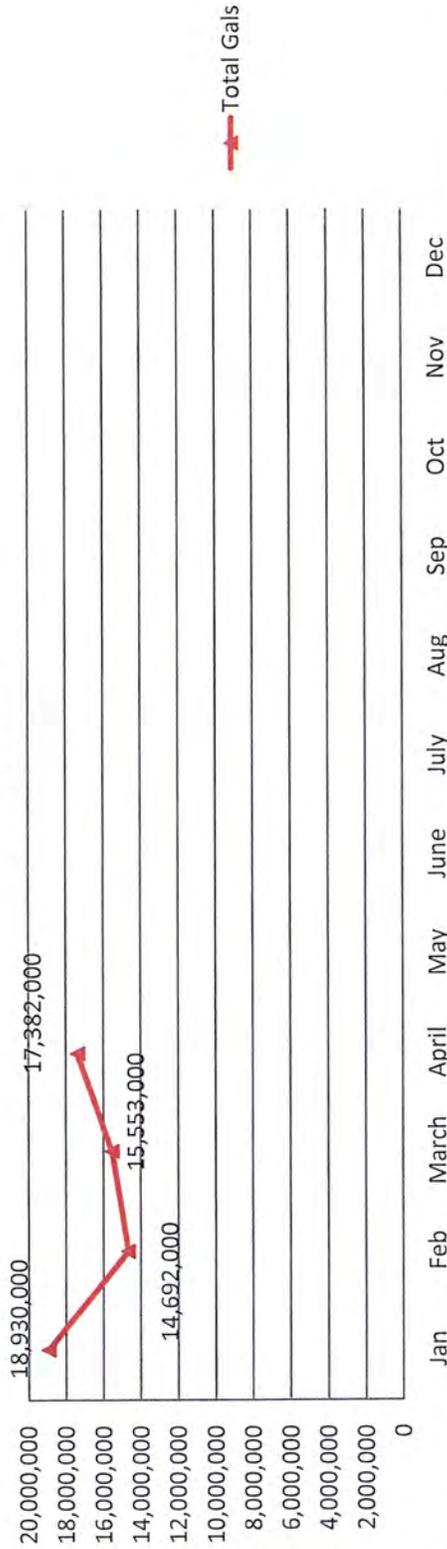


[in](https://www.linkedin.com/in/april-a-ryan-pe-ba09488a) Connect with April (<https://www.linkedin.com/in/april-a-ryan-pe-ba09488a>)

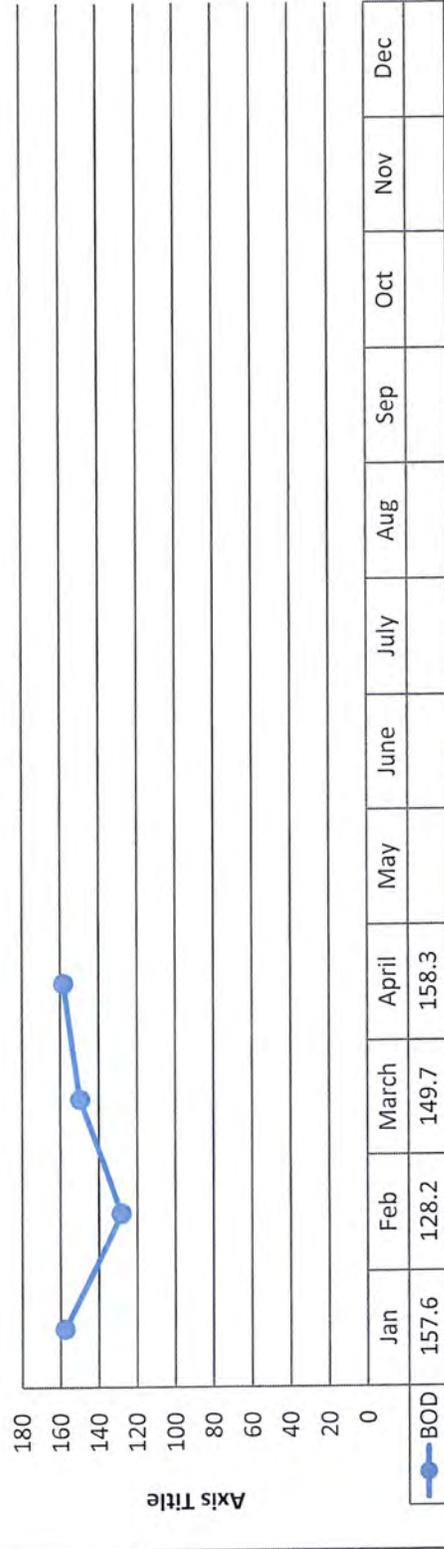
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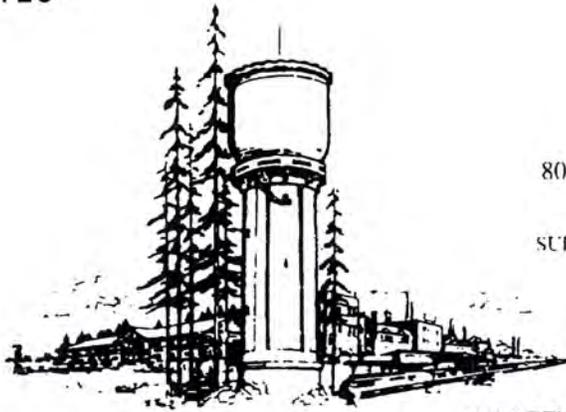
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Total Gals



BOD





BRAINERD PUBLIC UTILITIES

8027 Highland Scenic Road • P.O. Box 373 • Brainerd, Minnesota 56401-0373

COMMISSION SECRETARY - Business Office 218.829.8726 - FAX 218.829.4703

SUPERINTENDENT OF UTILITIES - Repair Service Operations 218.829.2193 - FAX 218.829.2308

INTERNET WEB SITE - www.bpu.org

BRAINERD PUBLIC UTILITIES WASTEWATER TREATMENT CHARGES FOR THE CITY OF BAXTER for April 2016

Baxter Monthly Flow and Loading Data

Number of days in billing period	31
Total flow for period (gallons)	17,382,000
Average Daily Flow (MGD)	0.561
CBOD (mg/L)	158.3
TSS (mg/L)	195.6
TP (mg/L)	5.9

I. Base Charges

Base Capital Charge	\$0.00
Base Operating Charge	39,934.12
	<hr/>
Subtotal for Period	\$39,934.12

II. Excess Charges

Excess Capital Charge	\$0.00
Excess Operating Charges	
Excess Flow	0.00
Excess Loading	0.00
Excess Strength	0.00
	<hr/>
Subtotal for Period	\$0.00

III. Base and Excess Charge Adjustments

(True up from previous year based on actual Operating Costs)

Operating Charges Previously Billed	\$0.00
True-up Charges (Credit) for 2015	0.00
Excess Capital Charge Adjustment	0.00
Excess Operating Charge Adjustments	
Excess Flow Adjustment	0.00
Excess Loading Adjustment	0.00
Excess Strength Adjustment	0.00
	<hr/>
Subtotal for Period	\$0.00
	<hr/>
Total for Period	<u><u>\$39,934.12</u></u>

Monthly Input Data

for
April 2016

Current Month	April
Year	2016
Number of days in billing period	31

Flow

	Brainerd	Baxter	Total
Total flow for period (gallons)	45,617,000	17,382,000	62,999,000
Average Daily Flow (MGD)	1.472	0.561	2.032

Loading

Measurement Number	Brainerd				Baxter			
	CBOD (mg/L)	TSS (mg/L)	TP (mg/L)	TM (ng/L)	CBOD (mg/L)	TSS (mg/L)	TP (mg/L)	TM (ng/L)
1	125			0	203			0
2	74				171			
3	75				107			
4	75	124	3.98		106	108	5.24	
5	95	248			244	362		
6	75	238			149	178		
7	75	162	3.30		147	218	6.35	
8	132	182			231	204		
9	75	158			135	110		
10	75	172	4.45		134	162	6.17	
11	198	370			167	270		
12	75	122			125	166		
13	64	162			139	182		
14								
15								
16								
17								
18								
19								
20								
Average Daily Loadings (conc.)	93	194	3.9	-	158	196	5.9	-
Average Daily Loadings (lbs/d)	1,146	2,380	48	-	741	915	28	-
Average Daily Loadings (mg/d)	-	-	-	-	-	-	-	-

Most Recent Twelve Months Input Data

Brainerd Most Recent Twelve Months Data

	Apr-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	Average	mg/L
Flow (MGD)	1.199	1.549	1.665	1.434	1.330	1.337	1.292	1.423	1.356	1.203	1.305	1.472	1.380	
CBOD (lbs/d)	1,286	1,385	1,391	1,284	1,141	1,464	1,610	1,417	1,187	1,420	1,497	1,146	1,352	117
TSS (lbs/d)	2,321	2,709	4,025	3,218	2,790	5,024	4,403	2,982	2,250	2,900	2,200	2,380	3,100	269
TP (lbs/d)	44	53	86	57	47	63	52	45	50	52	47	48		

Baxter Most Recent Twelve Months Data

	Apr-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	Average	mg/L
Flow (MGD)	0.548	0.604	0.471	0.610	0.586	0.581	0.572	0.544	0.541	0.525	0.555	0.561	0.558	
CBOD (lbs/d)	635	659	535	776	724	986	683	634	711	561	694	741	695	149
TSS (lbs/d)	976	1,198	855	1,287	1,367	1,393	1,294	1,190	906	996	1,267	915	1,137	244
TP (lbs/d)	21	27	24	36	30	28	27	26	23	23	26	28		

Base Charge Calculations

for
April 2016

Base Capital Charge Calculations

(Based on the estimated Phase I capital costs, actual costs will be dependent upon interest rates, construction bids, etc.)

Capital Cost: \$0

PFA Interest Rate: 3.233%
Repayment Period (years) 20

	Weight	Brainerd Allocation		Baxter Allocation		Subtotals
	(%)	(%)	(\$)	(%)	(\$)	(\$)
Flow	30%	66.67%	\$0	33.33%	\$0	\$0
CBOD	30%	66.67%	\$0	33.33%	\$0	\$0
TSS	30%	66.67%	\$0	33.33%	\$0	\$0
TP	10%	66.67%	\$0	33.33%	\$0	\$0
		Totals	\$0		\$0	\$0

	Brainerd	Baxter
Monthly Charges	\$0.00	\$0.00

Base Operating Charge Calculations

Brainerd

Current Month Flow and Loading Data

Average Daily Flow (MGD)	1.472
CBOD (mg/L)	93.3
TSS (mg/L)	193.8
TP (mg/L)	3.9

Current Month Operating Charge

	Base Unit Cost		Mass	Monthly Cost
	(\$)	Units	(lbs/day)	(\$)
Flow	\$0.595	1000 gal	NA	\$27,155
CBOD	\$0.637	lb CBOD	1,146	\$22,619
TSS	\$0.367	lb TSS	2,380	\$27,083
TP	\$5.297	lb TP	48	\$7,885
			Subtotal	\$84,741.07

Baxter

Current Month Flow and Loading Data

Average Daily Flow (MGD)	0.561
CBOD (mg/L)	158.3
TSS (mg/L)	195.6
TP (mg/L)	5.9

Current Month Operating Charge

	Base Unit Cost		Mass	Monthly Cost
	(\$)	Units	(lbs/day)	(\$)
Flow	\$0.595	1000 gal	NA	\$10,347
CBOD	\$0.637	lb CBOD	741	\$14,622
TSS	\$0.367	lb TSS	915	\$10,416
TP	\$5.297	lb TP	28	\$4,549
			Subtotal	\$39,934.12

PLAN REVISIONS		
REV	ISSUED FOR	DATE

MINNESOTA DEPARTMENT OF TRANSPORTATION

THE CITY OF BAXTER, MINNESOTA

CONSTRUCTION PLAN FOR FULL DEPTH RECLAMATION, STREET RECONSTRUCTION, AND STORM SEWER

LOCATED ON GOLF COURSE DRIVE BETWEEN EXCELSIOR ROAD AND WOIDA ROAD (GEOGRAPHIC DESCRIPTION)

EXCELSIOR ROAD TO UNIVERSAL ROAD

MSA SEGMENT	<u>230-109-020</u>
GROSS LENGTH	<u>1467.00</u> FEET <u>0.278</u> MILES
BRIDGES-LENGTH	<u>0.00</u> FEET <u>0.000</u> MILES
EXCEPTIONS-LENGTH	<u>0.00</u> FEET <u>0.000</u> MILES
NET LENGTH	<u>1467.00</u> FEET <u>0.278</u> MILES

UNIVERSAL ROAD TO 1000' NORTH OF CLEARWATER

MSA SEGMENT	<u>230-109-030</u>
GROSS LENGTH	<u>2254.00</u> FEET <u>0.427</u> MILES
BRIDGES-LENGTH	<u>0.00</u> FEET <u>0.000</u> MILES
EXCEPTIONS-LENGTH	<u>0.00</u> FEET <u>0.000</u> MILES
NET LENGTH	<u>2254.00</u> FEET <u>0.427</u> MILES

1000' NORTH OF CLEARWATER TO WOIDA ROAD

MSA SEGMENT	<u>230-109-040</u>
GROSS LENGTH	<u>1725.00</u> FEET <u>0.327</u> MILES
BRIDGES-LENGTH	<u>0.00</u> FEET <u>0.000</u> MILES
EXCEPTIONS-LENGTH	<u>0.00</u> FEET <u>0.000</u> MILES
NET LENGTH	<u>1725.00</u> FEET <u>0.327</u> MILES

MINN. PROJ. NO. _____

GOVERNING SPECIFICATIONS

THE 2016 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" TOGETHER WITH ALL SUPPLEMENTAL SPECIFICATIONS AND MNDOT TECHNICAL MEMORANDA IN FORCE 30 CALENDAR DAYS PRIOR TO THE DATE OF ADVERTISEMENT.

SHEET INDEX

SHEET NO.	GENERAL
1.1-1.2	TITLE, LEGEND
1.3-1.4	TABLES
2.1	TYPICAL SECTIONS
2.2-2.3	CONSTRUCTION DETAILS
2.4-2.6	STANDARD PLANS
2.7	INTERSECTION DETAILS
2.8	PEDESTRIAN RAMP DETAILS
2.9-2.10	TRAFFIC CONTROL PLAN
3.1-3.6	REMOVALS
4.1-4.10	STORMWATER POLLUTION PREVENTION PLAN
5.1-5.9	STREET AND STORM PLAN & PROFILE
6.1-6.5	SIGNING AND STRIPING PLAN
7.1-7.6	CROSS SECTIONS

THIS PLAN SET CONTAINS 50 SHEETS.

RESOURCE LIST

CITY OF BAXTER

City Hall
13190 Memorywood Dr.
Baxter, MN 56425

Assistant City Administrator:
Kelly Steele

Mayor: Darrel Olson

City Council Members:
Todd Holman
Quinn Nystrom
Mark Cross
Steve Barrows

City Engineer / Public Works Director:
Trevor Walter

Project Engineer:
(Consultant)
Phillip Martin, P.E.
Bolton & Menk, Inc.
7656 Design Road, Suite 200
Baxter, MN 56425

UTILITIES

GAS

Center Point Energy

TELEPHONE

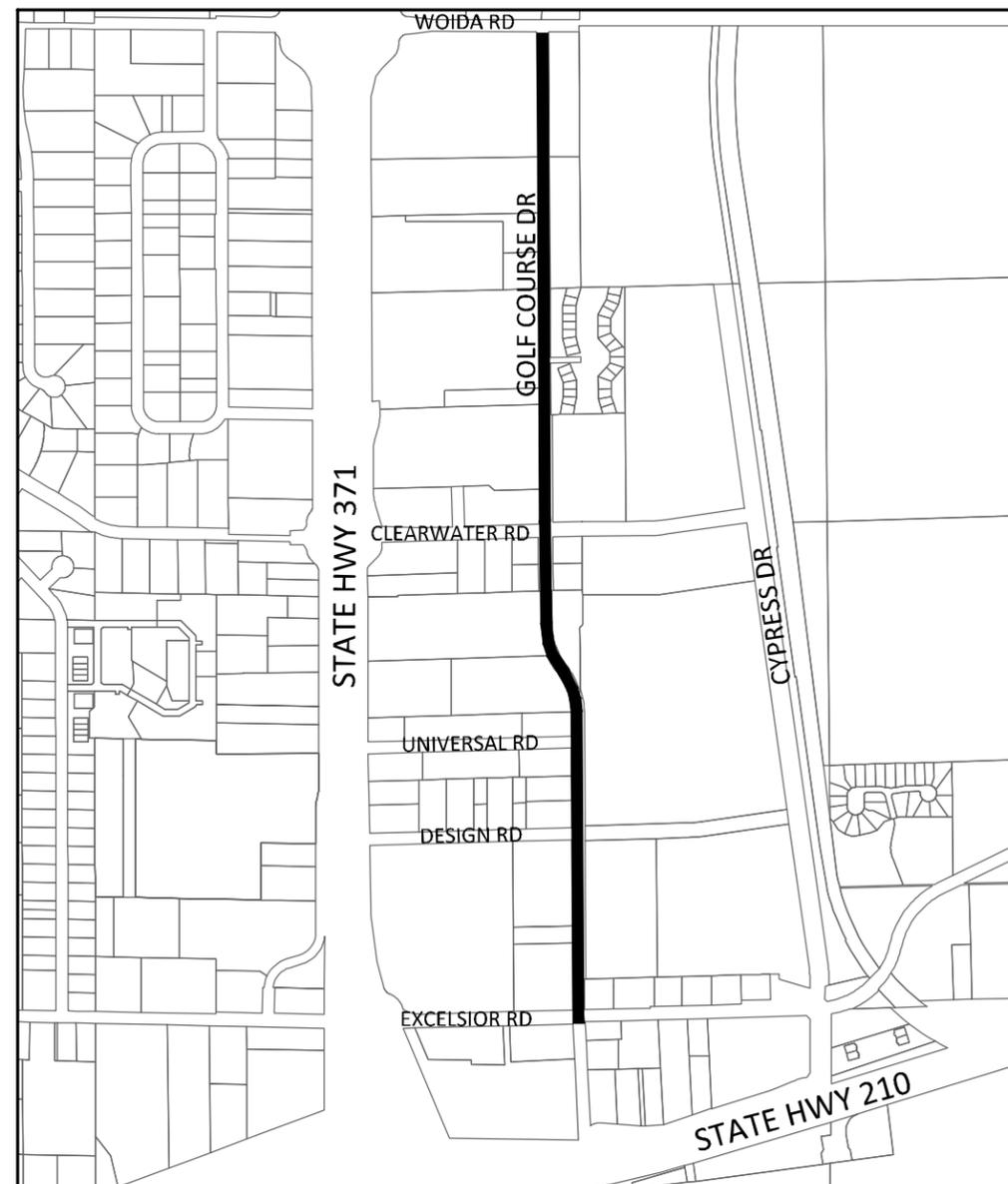
Consolidated Telephone
Everentis Telecom
Savage Communications
TDS Metrocom
Century Link

CABLE

Charter Communications

ELECTRIC

Crow Wing Co-Op
Xcel Energy



DESIGN DESIGNATION

n N18 ₂₀	<u>811,000</u>
R Value	<u>70</u>
Pres. ADT	<u>7050 (2016)</u>
Proj. ADT	<u>11,250 (2036) -1.7 Factor</u>
Proj. HCADT	<u>3.6</u>
Soil Factor	<u>10</u> Ton Design
Shoulder Width	<u> </u>
Graded In	<u> </u> Under <u> </u>
Roadway Classification	<u>Local</u>
No. Of Traffic Lanes	<u>2</u>
No. Of Parking Lanes	<u>0</u>
Design Speed	<u>30</u> MPH
Based On	<u>Stopping</u> Sight Distance
Height Of Eye	<u>3.5'</u> Height Of Object <u>0.5'</u>
Design Speed Not Achieved At	<u> </u>
STA.	<u> </u> TO STA. <u> </u> MPH. <u> </u>

LOCAL AGENCY SIGNATURES:

BRYAN G. DROWN
Design Engineer: I hereby certify that this plan 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.
Date: XX/XX/XXXX License number 41934

Approved: City Engineer _____ Date: _____

STATE AID APPROVALS:

District State Aid Engineer: _____ Date: _____
Reviewed for Compliance with State-Aid Rules/Policy

INDEX MAP	0' <u> </u> 1000'
GENERAL LAYOUT	0' <u> </u> 150'
PLAN	0' <u> </u> 20'
PROFILE	0' <u> </u> 20' HORIZ.
	0' <u> </u> 5' VERT.
CROSS-SECTION	0' <u> </u> 10' HORIZ.
	0' <u> </u> 5' VERT.

NOTE: EXISTING UTILITY INFORMATION SHOWN ON THIS PLAN HAS BEEN PROVIDED BY THE UTILITY OWNER. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS PRIOR TO COMMENCING CONSTRUCTION AS REQUIRED BY STATE LAW. NOTIFY GOPHER STATE ONE CALL, 1-800-252-1166 OR 651-454-0002.

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

MAP OF THE
CITY OF BAXTER
CROW WING COUNTY, MN

PROJECT DATUM:
HORIZONTAL:
VERTICAL:



BOLTON & MENK, INC.
Consulting Engineers & Surveyors
7656 DESIGN ROAD, SUITE 200 - BAXTER, MINNESOTA 56425
Phone: (218)-825-0684 Email: Baxter@bolton-menk.com
www.bolton-menk.com

STATE AID PROJ. NO. _____

STATE PROJ. NO. _____

SHEET NO.
1.1

EXISTING

○	IRON PIPE MONUMENT SET	⊠	ELECTRIC TRANSFORMER
●	MONUMENT FOUND	□EV	EXHAUST VENT
⊙	CAST IRON MONUMENT FOUND	—	FLAG POLE
■	STONE MONUMENT FOUND	○	FILL PIPE
△	POST SET	⊙	GAS MANHOLE
⊕	BENCH MARK	⊙	GAS REGULATOR
⊙AS	AUTO SPRINKLER	⊙	GAS VALVE
⊙	ANTENNA	⊙	GAS METER
⊠	AIR CONDITIONER	▨	ACCESS GRATE
⊂	ANCHOR	♿	HANDICAPPED PARKING
⊙AP	AIR PUMP	⊠	HAND HOLE
▷	APRON	⊙	HYDRANT
⊙	BASKETBALL HOOP	●	IRRIGATION CONTROL VALVE
⊠	BIRD FEEDER	☀	LIGHT DECORATIVE
⊠	BENCH	☀	LIGHT POLE
○	BRACE POLE	⊠	MAILBOX
▨	CATCH BASIN	⊙	METER
○	CLOTHES LINE POLE	⊙	POST
△	CONTROL POINT	⊙	MANHOLE
○	CLEAN OUT	⊙	LIFT STATION MANHOLE
⊠ CP	COMMUNICATION PEDESTAL	⊙	MONITORING WELL
⊙	CURB STOP VALVE	⊙	ORDER MICROPHONE
◇	DITCH TOP	▨	PARK GRILL
⊠	DRINKING FOUNTAIN	⊠	GAS PUMP
⊙	DOWN SPOUT	⊙	POST INDICATOR VALVE
⊙	ELECTRIC MANHOLE	⊙	PARKING METER
⊠	ELECTRIC METER	⊙	SANITARY MANHOLE
⊠ E	ELECTRIC PEDESTAL	⊙	SATELLITE DISH

PROPOSED

⊙	SEMAPHORE TRAFFIC LIGHT
⊠	SIGNAL BOX
○	SIGNAL POLE - RR
⊙	SOIL BORING
⊙	SIREN
⊙	SPRINKLER HEAD
⊙	STORM MANHOLE
⊙	TELEPHONE MANHOLE
⊠	PUBLIC TELEPHONE
⊠	TILE INLET
⊠	TILE RISER
⊠	TRAFFIC ARM BARRIER
⊠	TRAFFIC SIGN
⊠	TRANSMISSION TOWER
⊙	UTILITY POLE
⊠	VACUUM
⊙	VENT PIPE
⊙	DECIDUOUS TREE
⊙	CONIFEROUS TREE
⊙	STUMP
⊙	BUSH
⊙	WELL
⊙	WATER MANHOLE
⊙	WATER METER
⊙	WATER SPIGOT
⊙	WATER VALVE
⊙	WETLAND / MARSH
⊙	WETLAND - DELINEATED

—	ALIGNMENT/CENTERLINE	—	WATERMAIN
- - -	RIGHT-OF-WAY LINE	—	WATERMAIN SERVICE
- · - · -	TEMPORARY EASEMENT	●	WATER SYSTEM MANHOLE
▬▬▬	CONSTRUCTION LIMITS	⊙	HYDRANT
▬▬▬	CURB & GUTTER	⊙	HYDRANT W/ VALVE
▬▬▬	CURB & GUTTER (OUT)	⊙	VALVE
▬▬▬	BITUMINOUS EDGE	⊙	CURBSTOP
▬▬▬	CONCRETE EDGE	⊙	BEND
- - -	GRAVEL EDGE	⊙	REDUCER
- · - · -	SILT FENCE-PREASSEMBLED	⊙	CROSS
- · - · -	SILT FENCE-HEAVY DUTY	⊙	TEE
⊠	EROSION PROTECTION AT INLET	⊙	CAP
⊙	MANHOLE	⊙	SLEEVE
⊙	CATCH BASIN	⊙	SIGN
⊙	STORM INLET	⊙	LIGHT POLE
⊙	APRON	⊙	GUARD RAIL
⊙	STORM SEWER	⊙	SOIL BORING
⊙	PERFORATED PIPE DRAIN	⊙	WETLAND
⊙	STORM DRAIN TILE	⊙	BUSH
⊙	CULVERT W/APRON	⊙	CONIFEROUS TREE
⊙	STORM MANHOLE NUMBER	⊙	DECIDUOUS TREE
⊙	SANITARY SEWER		
⊙	SANITARY FORCEMAIN		
⊙	SANITARY SEWER SERVICE		
⊙	SANITARY LIFT STATION		
⊙	SANITARY MANHOLE		
⊙	SANITARY MANHOLE NUMBER		

—	OVERHEAD ELECTRIC LINE	—	EASEMENT LINE
—	UNDERGROUND ELECTRIC LINE	—	BUILDING SETBACK LINE
—	GAS LINE	—	FENCE LINE
—	FIBER OPTIC LINE	—	GUARD RAIL
—	UNDERGROUND COMMUNICATIONS LINE	—	ACCESS CONTROL LINE
—	OVERHEAD UTILITY LINE	—	CENTERLINE
—	WATER SYSTEM	—	PROPERTY / LOT LINE
—	STORM SEWER	—	ROAD RIGHT-OF-WAY LINE
—	TILE LINE	—	RAILROAD RIGHT-OF-WAY LINE
—	SANITARY SEWER	—	GRAVEL EDGE
—	SANITARY FORCEMAIN	—	BITUMINOUS EDGE
—	CULVERT	—	CONCRETE EDGE
—	INTERMEDIATE CONTOURS	—	CURB & GUTTER
—	INDEX CONTOURS	—	WATER EDGE
—	COUNTY LINE	—	WATER CENTERLINE
—	CITY LIMITS	—	HIGHWATER LINE
—	SIXTEENTH LINE	—	WETLAND EDGE
—	QUARTER LINE	—	SWALE CENTERLINE
—	SECTION LINE	—	RAILROAD TRACKS
—	ADJACENT LINES	—	TREE DRIP LINE

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.

BRYAN G. DROWN
 LIC. NO. 41934 DATE XX/XX/XXXX

DESIGNED
JIF
 DRAWN
JIF
 CHECKED
BGD

BOLTON & MENK, INC.
 Consulting Engineers & Surveyors
 MANKATO, MN FAIRMONT, MN SLEEPY EYE, MN BURNSVILLE, MN WILLMAR, MN
 CHASKA, MN RAMSEY, MN MAPLEWOOD, MN BAXTER, MN ROCHESTER, MN
 AMES, IA SPENCER, IA DES MOINES, IA FARGO, ND

REV.	BY	DATE

CITY OF BAXTER, MINNESOTA
 2016 GOLF COURSE DRIVE
 LEGEND

STATEMENT OF ESTIMATED QUANTITIES

ITEM NO.	MN/DOT SPEC.	ITEM	UNIT	TOTAL ESTIMATED QUANTITY	UNIVERSAL ROAD TO LINKS LANE			
					FULL DEPTH RECLAMATION	ROADWAY	STORM SEWER (CITY)	STORM SEWER (ASSESSIBLE)
1	2021.501	MOBILIZATION	LUMP SUM	1.00	0.31	0.33	0.30	0.06
2	2101.502	CLEARING	TREE	1		1		
3	2101.507	GRUBBING	TREE	1		1		
4	2104.501	REMOVE SEWER PIPE (STORM)	LIN FT	2489			2489	
5	2104.501	REMOVE CURB AND GUTTER	LIN FT	1958	1710	248		
6	2104.503	REMOVE CONCRETE SIDEWALK	SQ FT	379	379			
7	2104.505	REMOVE BITUMINOUS PAVEMENT	SQ YD	7274	26	7146	102	
8	2104.509	REMOVE CASTING (STORM)	EACH	30	15		15	
9	2104.509	REMOVE DRAINAGE STRUCTURE	EACH	15			15	
10	2104.509	REMOVE SIGN TYPE C	EACH	14	4	10		
11	2104.513	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	304		257	47	
12	2104.513	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	29	29			
13	2104.523	SALVAGE SIGN	EACH	14	4	10		
14	2104.523	SALVAGE CASTING (SANITARY)	EACH	18	9	9		
15	2105.501	COMMON EXCAVATION (P) (EV)	CU YD	3250		3250		
16	2105.601	DEWATERING	LUMP SUM	1.00			1.00	
17	2123.501	COMMON LABORERS	HOUR	20		10	10	
18	2123.601	STREET SWEEPER (WITH PICKUP BROOM)	HOUR	8	4	2	2	
19	2211.503	AGGREGATE BASE (CV), CLASS 5	CU YD	1590		1590		
20	2215.501	FULL DEPTH RECLAMATION	SQ YD	11731	11731			
21	2232.501	MILL BITUMINOUS PAVEMENT (4")	SQ YD	155	155			
22	-	BITUMINOUS PATCH	SQ YD	120		120		
23	2360.501	TYPE SP 12.5 WEARING COURSE MIXTURE (2,C)	TON	4945	2875	2070		
24	2503.541	12" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	372			44	328
25	2503.541	15" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	8			8	
26	2503.541	24" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	734			734	
27	2503.541	30" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	163			163	
28	2503.541	33" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	146			146	
29	2503.541	36" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	1499			1499	
30	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN G	LIN FT	32.00				32.00
31	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	LIN FT	5.72			5.72	
32	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN 60-4020	LIN FT	67.64			67.64	
33	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN 72-4020	LIN FT	20.25			20.25	
34	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN 84-4020	LIN FT	7.00			7.00	
35	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN 120-4020	LIN FT	5.80			5.80	
36	2506.516	R-3250 DVSP CASTING ASSEMBLY	EACH	35	15		12	8
37	2506.516	R-1733 CASTING ASSEMBLY	EACH	1			1	
38	2506.516	R-2573 CASTING ASSEMBLY	EACH	1			1	
39	2506.521	RE-INSTALL CASTING (SANITARY)	EACH	9	9			
40	2506.620	CONNECT TO EXISTING STORM SEWER (PIPE)	EACH	4			4	
41	2506.620	CONNECT TO EXISTING DRAINAGE STRUCTURE	EACH	4			4	
42	2521.501	6" CONCRETE WALK	SQ FT	270	270			
43	2531.501	CONCRETE CURB & GUTTER, DESIGN B618	LIN FT	1710	1710			
44	2531.501	CONCRETE CURB & GUTTER, DESIGN B624	LIN FT	4488		4488		
45	2531.507	8" CONCRETE DRIVEWAY PAVEMENT	SQ YD	14		14		
46	2531.604	8" CONCRETE VALLEY GUTTER	SQ YD	80	26	54		
47	2531.618	TRUNCATED DOMES	SQ FT	40	40			
48	2540.602	MAILBOX SUPPORT	EACH	6	4	2		
48	2563.601	TRAFFIC CONTROL	LUMP SUM	1.00	0.31	0.33	0.30	0.06
49	2564.602	INSTALL SIGNS	EACH	44	25	19		
50	2564.602	FURNISH TYPE C SIGNS	EACH	44	25	19		
51	2571.501	DECIDUOUS TREE 6' HT B&B TREE	EACH	1		1		
52	2573.530	STORM DRAIN INLET PROTECTION	EACH	52	15	37		
53	2573.535	STABILIZED CONSTRUCTION EXIT	LUMP SUM	1		1		
54	2573.550	EROSION CONTROL SUPERVISOR	LUMP SUM	1		1		
55	2574.508	FERTILIZER TYPE 1	POUND	282		282		
56	2574.525	COMMON TOPSOIL BORROW (LV)	CU YD	836	78	758		
57	2575.501	SEEDING	ACRE	1.41		1.41		
58	2575.502	SEED MIXTURE 22-111	POUND	0				
59	2575.502	SEED MIXTURE 25-131	POUND	310		155		155
60	2575.505	SODDING TYPE LAWN	SQ YD	703	703	0		
61	2575.511	MULCH MATERIAL TYPE 3	TON	0		0		
62	2575.519	DISK ANCHORING	ACRE	0		0		
63	2575.523	EROSION CONTROL BLANKET CATEGORY 3	SQ YD	0		0		
64	2575.562	HYDRAULIC MATRIX TYPE MULCH	POUND	5636		2818		2818
65	2582.502	4" BROKEN LINE YELLOW-EPOXY	LIN FT	680	487	193		
66	2582.502	4" DOUBLE SOLID LINE YELLOW-EPOXY	LIN FT	1764	641	1123		
67	2582.502	8" SOLID LINE WHITE-EPOXY	LIN FT	10009	5840	4169		
68	2582.502	24" SOLID LINE WHITE - EPOXY	LIN FT	76	18	58		
69	2582.502	CROSSWALK MARKING - EPOXY	SQ FT	75	75			
70	2611.4J	ADJUST GATE VALVE BOX & COVER	EACH	19	7	12		
71	2611.4J	REPLACE GATE VALVE BOX & COVER	EACH	5	2	3		
72	-	MAINTAIN AND REINSTALL IRRIGATION SYSTEMS	LUMP SUM	1		1		

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.

BRYAN G. DROWN
LIC. NO. 41934 DATE XX/XX/XXXX

DESIGNED
JJF
DRAWN
JJF
CHECKED
BGD



BOLTON & MENK, INC.
Consulting Engineers & Surveyors
MANKATO, MN FAIRMONT, MN SLEEPY EYE, MN BURNSVILLE, MN WILLMAR, MN
CHASKA, MN RAMSEY, MN MAPLEWOOD, MN BAXTER, MN ROCHESTER, MN
AMES, IA SPENCER, IA DES MOINES, IA FARGO, ND

REV.	BY	DATE

CITY OF BAXTER, MINNESOTA
2016 GOLF COURSE DRIVE

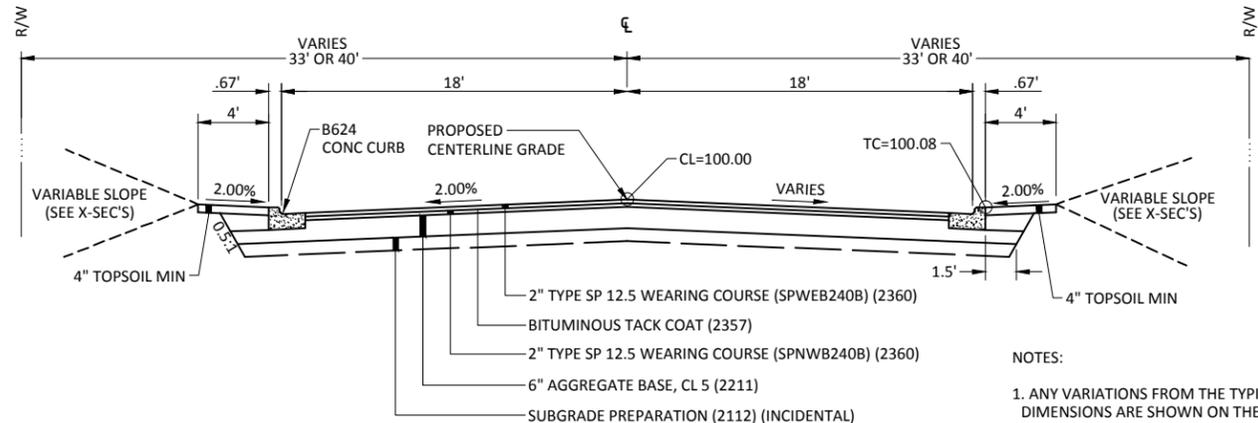
TABLES

SHEET

1.3

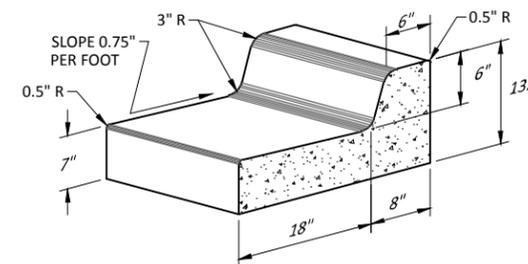
GOLF COURSE DRIVE - TYPICAL RECONSTRUCTION SECTION

UNIVERSAL ROAD TO LINKS LANE
STA 15+00 TO STA 37+54



NOTE: SEE SECTION 6 OF PLAN SET FOR STRIPING LAYOUT

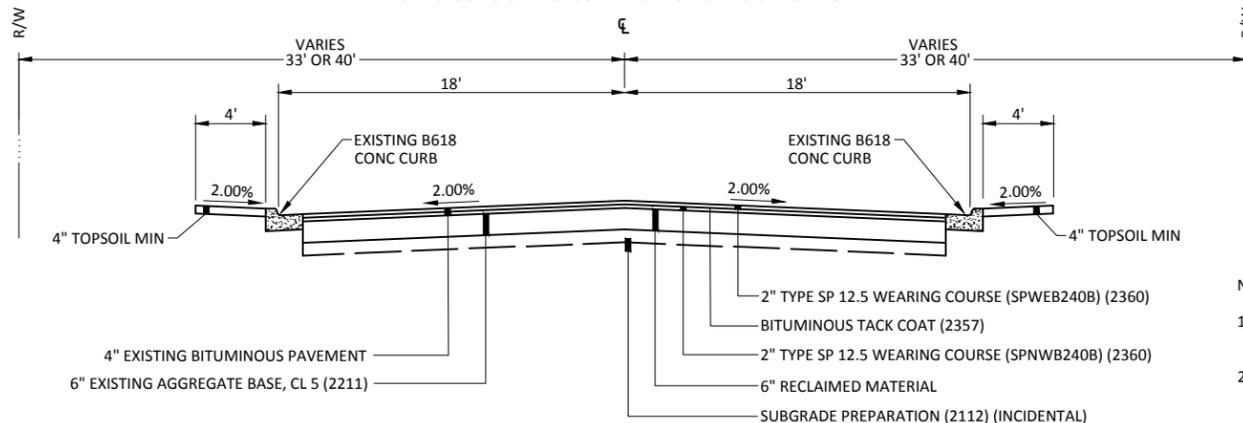
- NOTES:
1. ANY VARIATIONS FROM THE TYPICAL SECTION DIMENSIONS ARE SHOWN ON THE PLAN DRAWINGS
 2. PAVEMENT SLOPES AT INTERSECTION LOCATIONS MAY VARY FROM THOSE SHOWN ON THE TYPICAL SECTION
 3. ELEVATIONS SHOWN ARE RELATIVE TO C/L AND DO NOT RELATE TO ACTUAL CONSTRUCTION GRADES



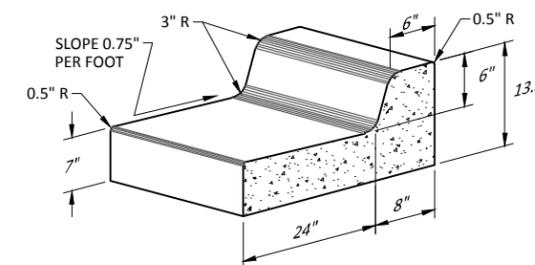
**CONCRETE CURB & GUTTER
DESIGN B618**
NOT TO SCALE

GOLF COURSE DRIVE - TYPICAL FDR SECTION

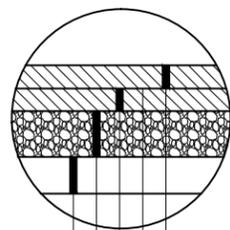
EXCELSIOR ROAD TO UNIVERSAL ROAD AND LINKS LANE TO WOIDA ROAD
STA 0+33 TO STA 15+00 AND STA 37+54 TO STA 54+79



- NOTES:
1. ANY VARIATIONS FROM THE TYPICAL SECTION DIMENSIONS ARE SHOWN ON THE PLAN DRAWINGS
 2. PAVEMENT SLOPES AT INTERSECTION LOCATIONS MAY VARY FROM THOSE SHOWN ON THE TYPICAL SECTION
 3. CONTRACTOR SHALL RECLAIM EXISTING 4" BITUMINOUS PAVEMENT AND EXISTING 6" AGGREGATE BASE, CLASS 5.

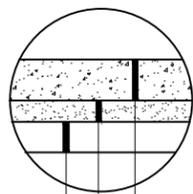


**CONCRETE CURB & GUTTER
DESIGN B624**
NOT TO SCALE



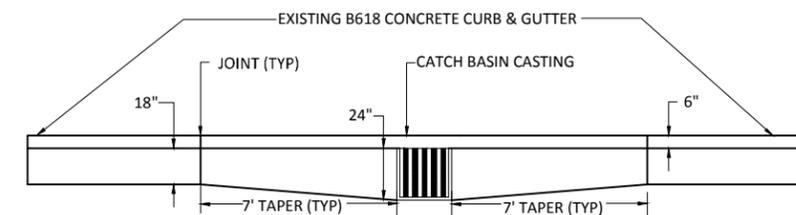
- 2" TYPE SP 12.5 WEARING COURSE (SPWEB240B) (2360)
- BITUMINOUS TACK COAT (2357) (INCIDENTAL)
- 2" TYPE SP 12.5 WEARING COURSE (SPWEB240B) (2360)
- 4" AGGREGATE BASE, CL 5 (2211) (INCIDENTAL)
- SUBGRADE PREPARATION (2112) (INCIDENTAL)

BITUMINOUS DRIVEWAY PATCH TYPICAL SURFACING SECTION
NOT TO SCALE



- 8" CONCRETE DRIVEWAY PAVEMENT (2531)
- 4" AGGREGATE BASE, CL 5 (2211) (INCIDENTAL)
- SUBGRADE PREPARATION (2112) (INCIDENTAL)

CONCRETE DRIVEWAY PAVEMENT SECTION
NOT TO SCALE



**CATCH BASIN/CURB DETAIL
FOR CURB & GUTTER SPOT REPAIRS
IN FULL DEPTH RECLAMATION AREAS**
NOT TO SCALE

NOTE: DETAILS ARE NOT TO SCALE

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.

BRYAN G. DROWN
LIC. NO. 41934 DATE XX/XX/XXXX

DESIGNED
JIF
DRAWN
JIF
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BGD

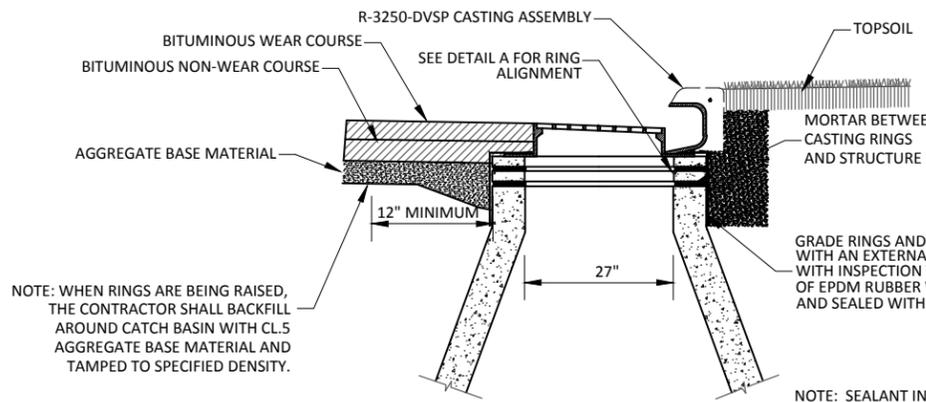


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REV.	BY	DATE

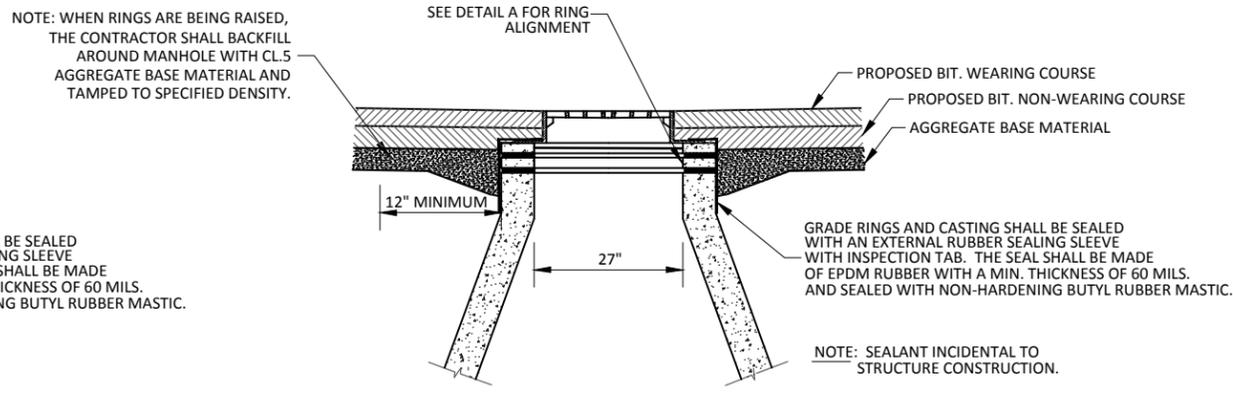
CITY OF BAXTER, MINNESOTA
2016 GOLF COURSE DRIVE
TYPICAL SECTIONS

SHEET
2.1

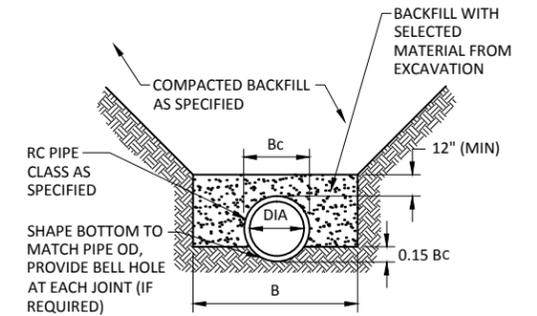


DRAINAGE STRUCTURE CASTING DETAIL
STORM SEWER CATCH BASINS - ROADWAYS
NOT TO SCALE

- NOTES:
- SANITARY MANHOLES AS NOTED IN THE PLANS ARE TO HAVE THE CONCRETE ADJUSTING RINGS REMOVED TO THE TOP OF THE CONE. THE EXISTING CONCRETE ADJUSTING RINGS ARE TO BE REPLACED WITH NEW CONCRETE RINGS. THE CASTING IS TO BE SALVAGED (SANITARY) AND RE-INSTALLED ALONG WITH AN INFI-SHIELD EXTERNAL SEAL (WITH INSPECTION TAB) PRIOR TO BACKFILLING AROUND THE RINGS AND CASTING. BACKFILLING TO BE DONE IN 6" LIFTS AND COMPACTED WITH AN UPRIGHT RAMMER.
 - BUTYL (.030")/EPDM (0.45") WRAP PLACED AROUND CONCRETE RINGS. LAP HORIZONTAL JOINTS 1 1/2" MIN. AND FOLD OVER ONTO CASTING FRAME 2" MIN.
 - ON FLAT COVER STRUCTURES, MATERIAL SHALL ALSO BE EXTENDED ONTO PRECAST TOP 2" MIN.
 - BUTYL / EPDM WRAP INCIDENTAL TO STRUCTURE CONSTRUCTION.

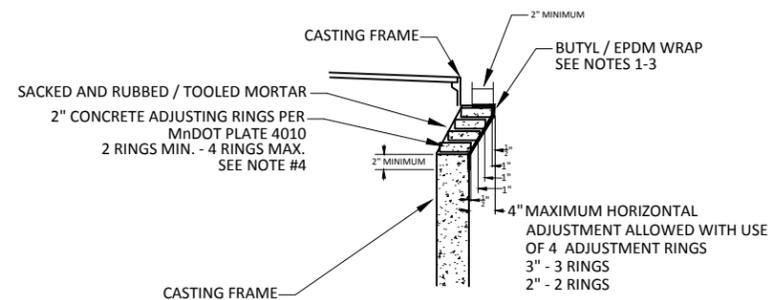


SEALANT DETAIL
SANITARY & STORM SEWER MANHOLES - ROADWAYS
NOT TO SCALE

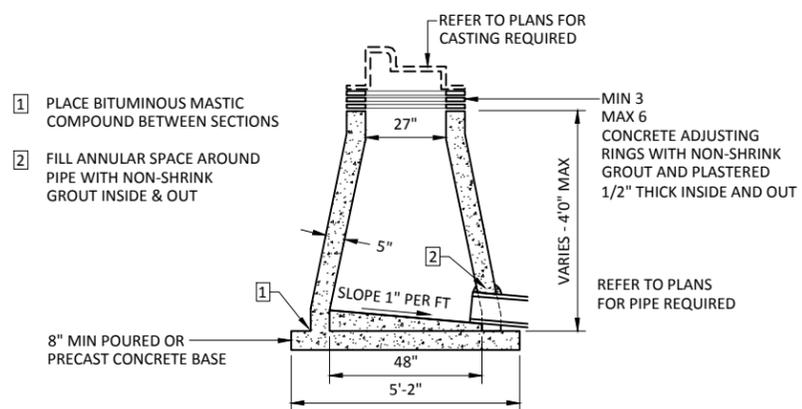


PIPE DIA	B
36" OR LESS	B + 24" C
42" TO 54"	1.5 x B C
60" OR OVER	B + 36" C

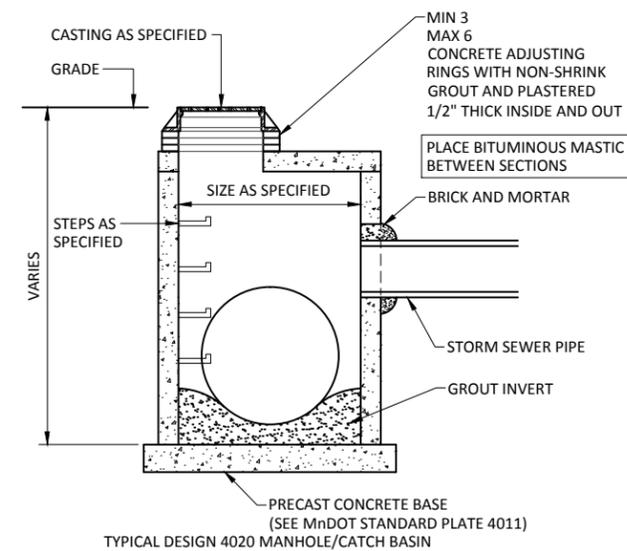
RC PIPE CLASS "C" BEDDING
NOT TO SCALE



DETAIL A
ADJUSTING RING OFFSET
NOT TO SCALE



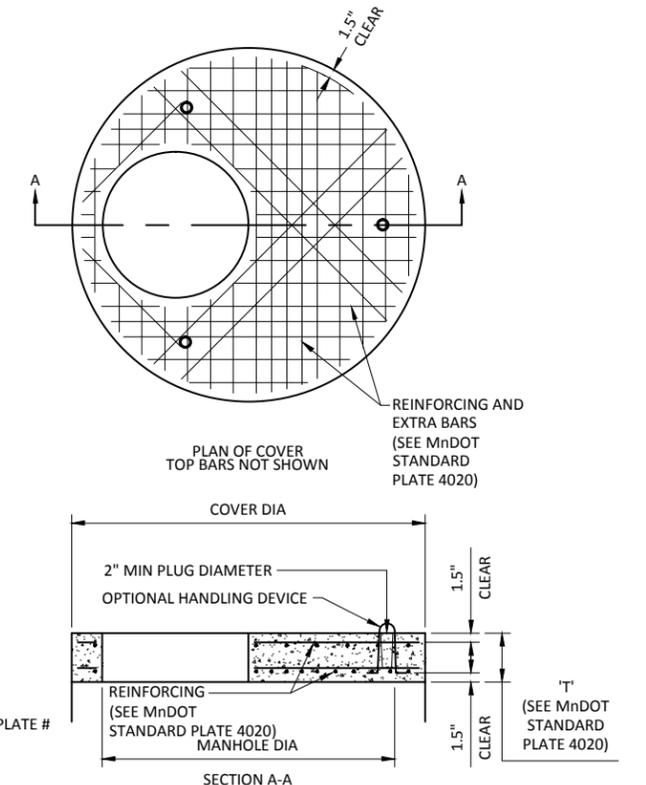
CATCH BASIN DESIGN G
NOT TO SCALE



- NOTES:
- AASHTO HS 25 LOADING MAX FILL HEIGHT 15'
 - THE # 4020 SHALL BE PERMANENTLY MARKED ON THE TOP COVER
 - EQUIVALENT STEEL AREAS IN WIRE MESH MAY BE USED
 - REINFORCEMENT PER SPEC 3301, GRADE 60 A SINGLE HOOP OF 8ga STEEL WIRE

DESIGNATION:
DESIGN DIAMETER - STANDARD PLATE #
DESIGN 48-4020

STORM SEWER STRUCTURE DESIGN 4020
NOT TO SCALE



NOTE: DETAILS ARE NOT TO SCALE

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.

BRYAN G. DROWN
LIC. NO. 41934 DATE XX/XX/XXXX

DESIGNED
JJF
DRAWN
JJF
CHECKED
BGD



BOLTON & MENK, INC.
Consulting Engineers & Surveyors
MANKATO, MN FAIRMONT, MN SLEEPY EYE, MN BURNSVILLE, MN WILLMAR, MN
CHASKA, MN RAMSEY, MN MAPLEWOOD, MN BAXTER, MN ROCHESTER, MN
AMES, IA SPENCER, IA DES MOINES, IA FARGO, ND

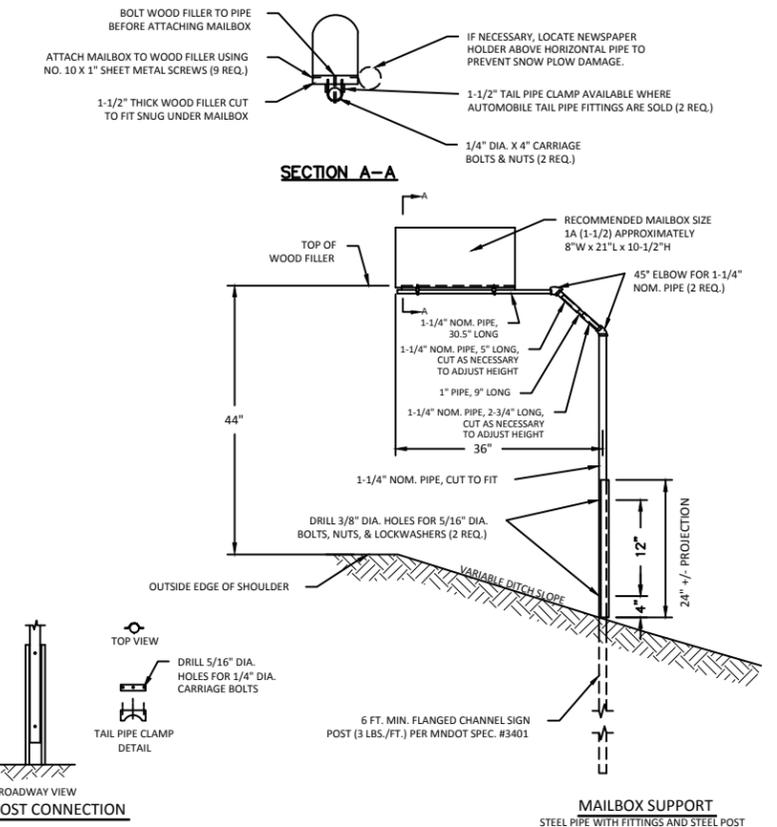
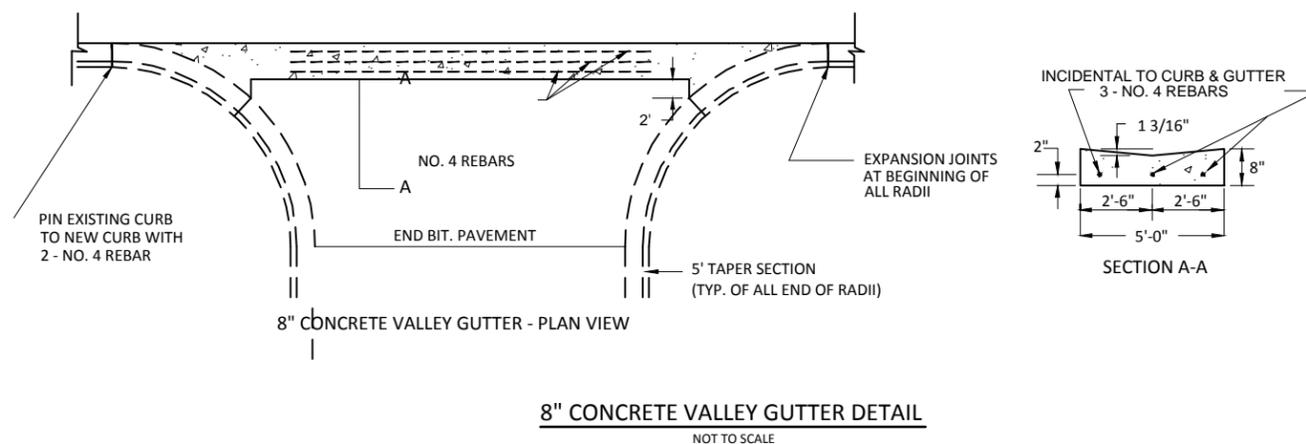
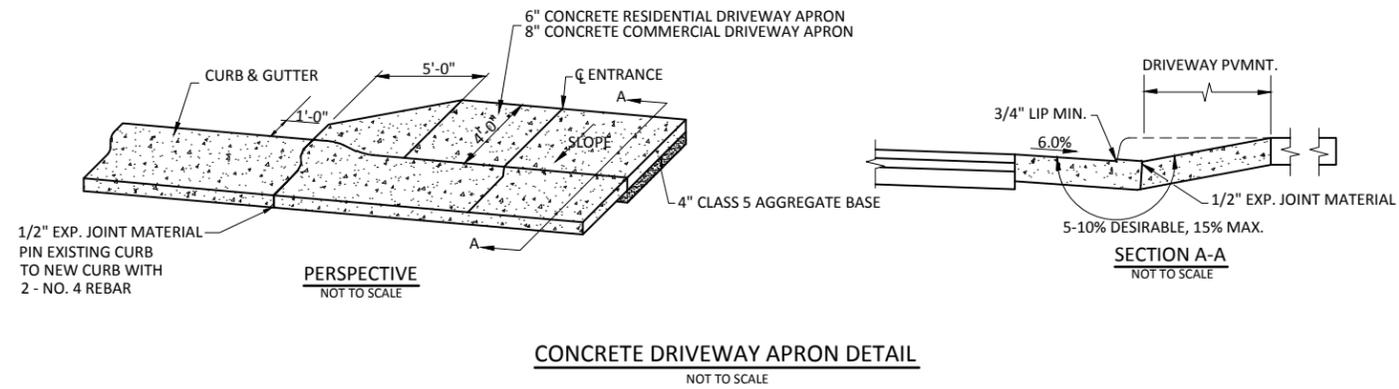
REV.	BY	DATE

CITY OF BAXTER, MINNESOTA
2016 GOLF COURSE DRIVE

DETAILS

SHEET

2.2



NOTES:

ALL PIPE AND PIPE FITTINGS SHALL CONFORM TO SPEC. 3362

ALL FASTENERS SHALL CONFORM TO SPEC. 3391

ALL MATERIALS SHALL BE GALVANIZED PER SPEC. 3392

MAILBOX LOCATION SHOULD BE STAKED BEFORE INSTALLATION FOR PROPER HEIGHT AND DISTANCE FROM THE ROADWAY. ONCE STAKED THE INSTALLER MUST NOTIFY THE ENGINEER AND THE POST OFFICE. THE ENGINEER AND POSTMASTER/MAIL CARRIER WILL BE ALLOWED 48 HOURS TO REVIEW AND MODIFY THE STAKED LOCATIONS PRIOR TO FINAL INSTALLATION.

NOTES:

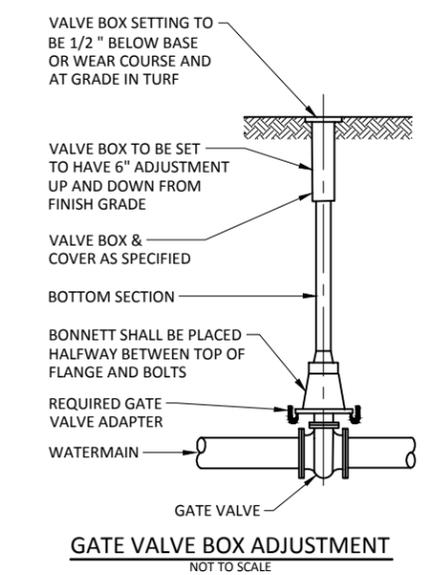
OTHER MNDOT APPROVED MAILBOX SUPPORTS MAY BE USED. THESE INCLUDE THE DESIGNS DEVELOPED BY MARSHALL COUNTY, THE ROCHESTER MNDOT DISTRICT, FRIEND INNOVATIONS AND MINNCOR INDUSTRIES.

THE MAILBOX TO BE FLUSH WITH THE EDGE OF SHOULDER OR 6 INCHES TO 12 INCHES FROM FACE OF CURB.

NO MORE THAN THREE MAILBOXES SPACED 30' CENTER TO CENTER ARE TO BE USED IN ONE LOCATION

POSTAL SERVICE REGULATIONS WILL DETERMINE THE HEIGHT

MAILBOX SUPPORT
STEEL PIPE WITH FITTINGS AND STEEL POST



NOTES:

- CONTRACTOR SHALL REMOVE THE EXISTING VALVE BOX AND COVER AND FURNISH AND INSTALL A NEW VALVE BOX AND COVER FOR EACH GATE VALVE. PAYMENT SHALL BE INCLUDED IN THE ADJUST GATE VALVE PAY ITEM.
- VALVE BOX SHALL BE CENTERED ON OPERATING NUTS, STRAIGHT, FREE FROM DEBRIS, AND ALL SECTIONS UNBROKEN
- COMPACTION WITH MECHANICAL TAMPER AROUND VALVE BOX SHALL BE PLACED AND COMPACTED WITH 2' LIFTS TO ACHIEVE 100% COMPACTION

NOTE: DETAILS ARE NOT TO SCALE

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.

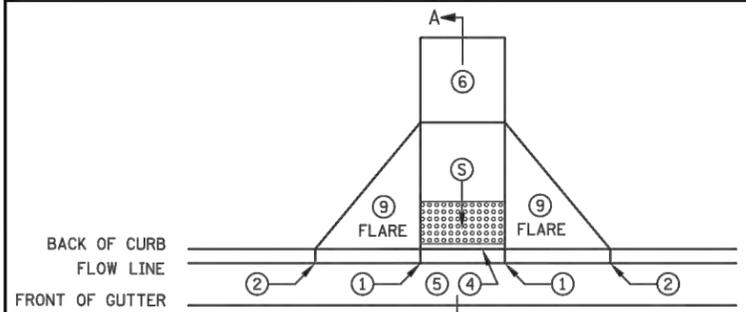
BRYAN G. DROWN
LIC. NO. 41934 DATE XX/XX/XXXX

DESIGNED
JJF
DRAWN
JJF
CHECKED
BGD

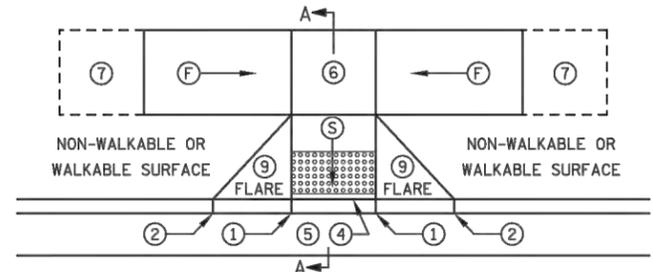
BOLTON & MENK, INC.
Consulting Engineers & Surveyors
MANKATO, MN FAIRMONT, MN SLEEPY EYE, MN BURNSVILLE, MN WILLMAR, MN
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AMES, IA SPENCER, IA DES MOINES, IA FARGO, ND

REV.	BY	DATE

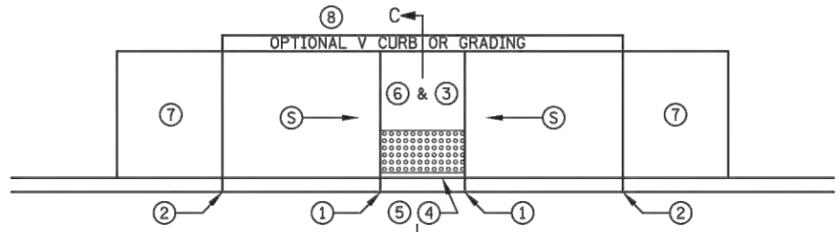
CITY OF BAXTER, MINNESOTA
2016 GOLF COURSE DRIVE
DETAILS



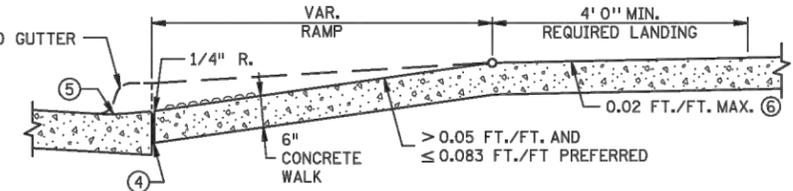
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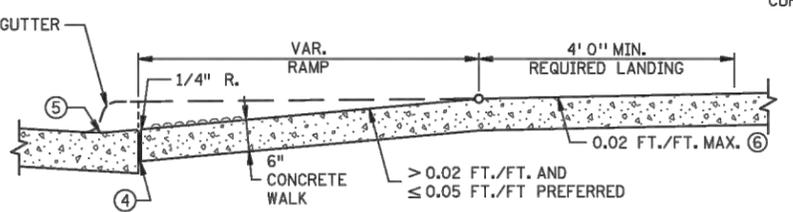
TIERED PERPENDICULAR



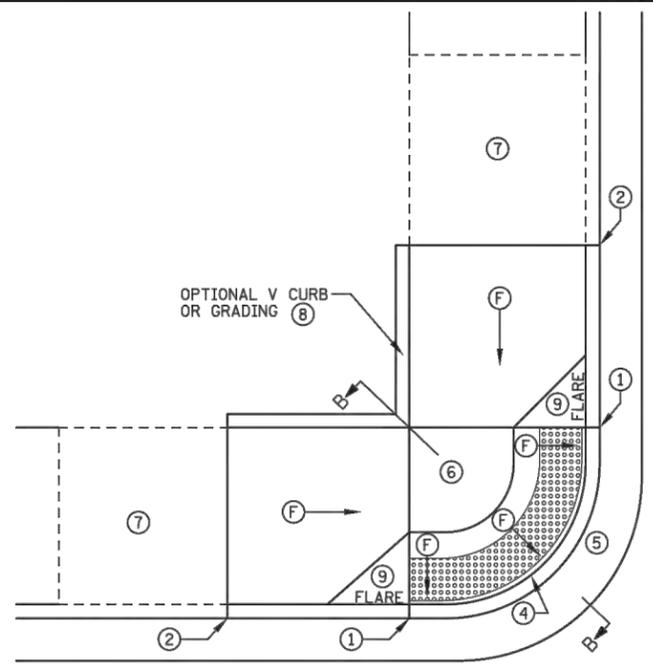
PARALLEL



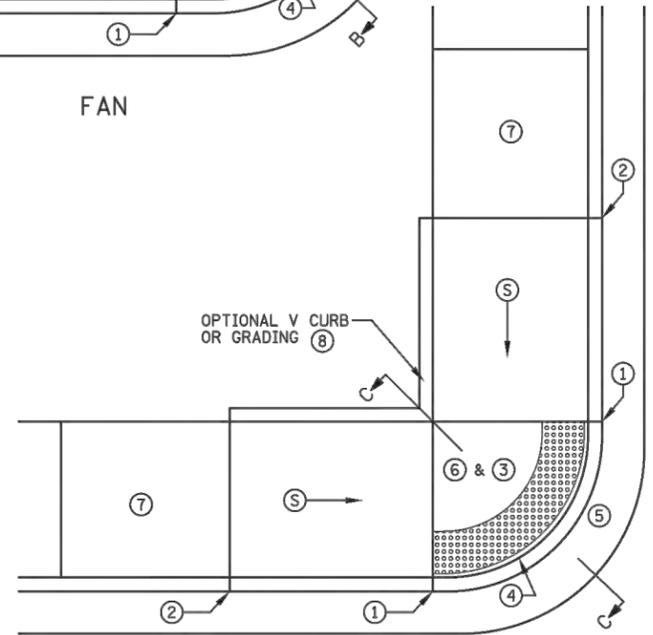
SECTION A-A
PERPENDICULAR/TIERED/DIAGONAL



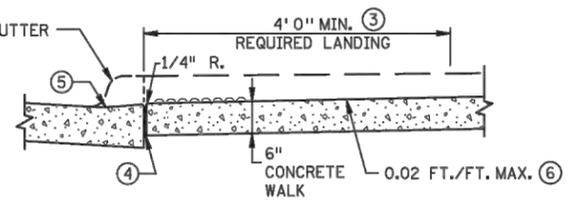
SECTION B-B
FAN



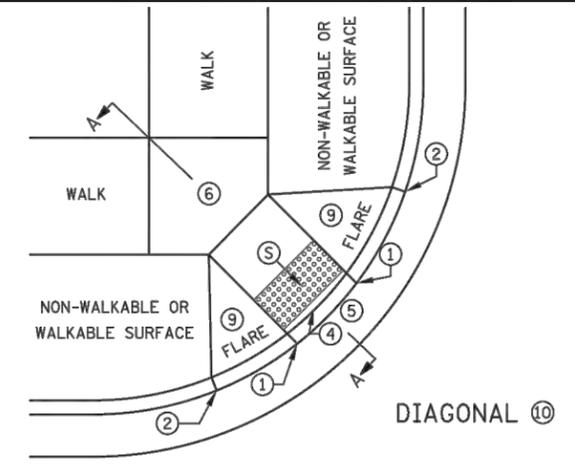
FAN



DEPRESSED CORNER



SECTION C-C
PARALLEL/DEPRESSED CORNER



DIAGONAL 10

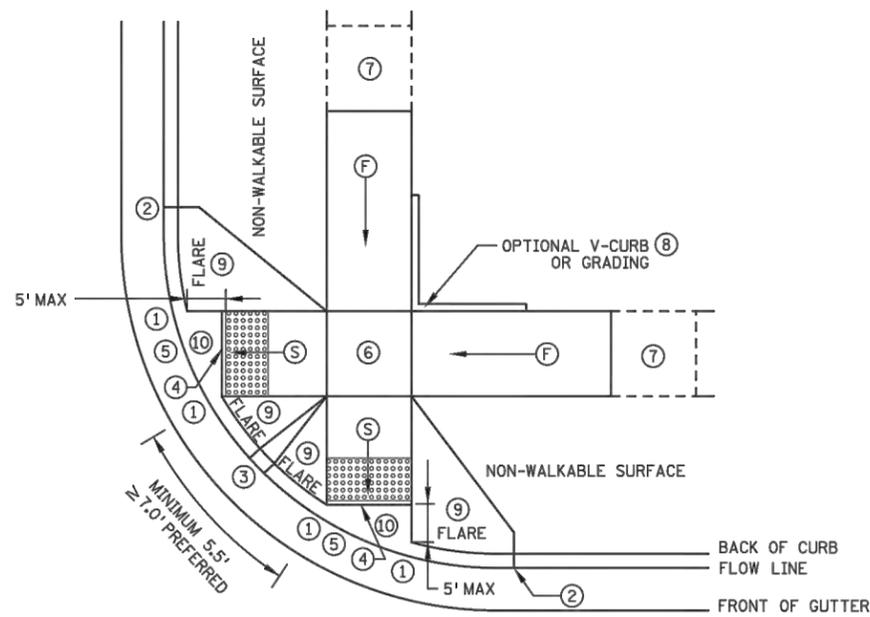
- NOTES:
- LANDINGS SHALL BE LOCATED ANYWHERE THE PEDESTRIAN ACCESS ROUTE CHANGES DIRECTION, AT THE TOP OF RAMPS THAT HAVE RUNNING SLOPES GREATER THAN 5.0%, AND IF THE APPROACHING WALK IS INVERSE GRADE.
 - INITIAL CURB RAMP LANDINGS SHALL BE CONSTRUCTED WITHIN 15' FROM THE BACK OF CURB, WITH 6' FROM THE BACK OF CURB BEING THE PREFERRED DISTANCE.
 - SECONDARY CURB RAMP LANDINGS ARE REQUIRED FOR EVERY 30' OF VERTICAL RISE WHEN THE LONGITUDINAL SLOPE IS GREATER THAN 5.0%.
 - CONTRACTION JOINTS SHALL BE CONSTRUCTED ALONG ALL GRADE BREAKS.
 - ALL GRADE BREAKS WITHIN THE PAR SHALL BE PERPENDICULAR TO THE PATH OF TRAVEL.
 - TO ENSURE RAMPS AND LANDINGS ARE PROPERLY CONSTRUCTED, LANDINGS MAY BE CAST SEPARATELY. FOLLOW SIDEWALK REINFORCEMENT DETAILS ON SHEET 5 WHEN LANDINGS ARE CAST SEPARATELY.
 - ALL SLOPES ARE ABSOLUTE, RATHER THAN RELATIVE TO SIDEWALK/ROADWAY GRADES.
 - TOP OF CURB SHALL MATCH PROPOSED ADJACENT WALK GRADE.
 - 4' MINIMUM WIDTH OF DETECTABLE WARNING IS REQUIRED FOR ALL RAMPS. DETECTABLE WARNINGS SHALL CONTINUOUSLY EXTEND FOR A MINIMUM OF 24" IN THE PATH OF TRAVEL. SHARED USE PATHS SHALL HAVE DETECTABLE WARNING ACROSS THE ENTIRE WIDTH OF PATH WHEN THE PATH CROSSES A ROAD.
 - SEE STANDARD PLATE 7038 AND SHEET 4 OF 5 FOR ADDITIONAL DETAILS ON DETECTABLE WARNING.
 - 1 0" CURB HEIGHT.
 - 2 FULL CURB HEIGHT.
 - 3 DETECTABLE WARNINGS MAY BE PART OF 4' X 4' LANDING AREA IF IT IS NOT FEASIBLE TO CONSTRUCT THE LANDING OUTSIDE OF THE DETECTABLE WARNING AREA.
 - 4 1/2" PREFORMED JOINT FILLER MATERIAL AASHTO M 213. JOINT FILLER SHALL BE PLACED FLUSH WITH THE BACK OF CURB AND ADJACENT SIDEWALK. JOINT SHALL BE FREE OF DEBRIS. RECTANGULAR DETECTABLE WARNINGS SHALL BE SETBACK 3" FROM THE BACK OF CURB. RADIAL DETECTABLE WARNINGS SHALL BE SETBACK 3" MINIMUM TO 6" MAXIMUM FROM THE BACK OF CURB.
 - 5 SEE PEDESTRIAN ACCESS ROUTE CURB AND GUTTER DETAIL FOR INFORMATION ON CONSTRUCTING CURB AND GUTTER AT CURB OPENINGS. SEE SHEET NO. 3 OF 5.
 - 6 4' BY 4' MIN. LANDING WITH MAX. 2.0% SLOPE IN ALL DIRECTIONS.
 - 7 IF LONGITUDINAL SLOPE IS GREATER THAN 5.0%, 4' X 4' MIN. LANDING WITH MAX 2.0% SLOPE IN ALL DIRECTIONS REQUIRED.
 - 8 V CURB, IF USED, SHALL BE PLACED OUTSIDE THE SIDEWALK LIMITS WHEN RIGHT OF WAY ALLOWS. SEE SHEET 5 OF 5.
 - 9 SEE SHEET 4 OF 5, TYPICAL SIDE TREATMENT OPTIONS, FOR DETAILS ON FLARES AND RETURNED CURBS.
 - 10 DIAGONAL RAMPS SHOULD ONLY BE USED AFTER ALL OTHER CURB RAMP TYPES HAVE BEEN EVALUATED AND DEEMED IMPRACTICAL.

LEGEND	
(S)	INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE BETWEEN 5.0% MINIMUM AND 8.3% MAXIMUM IN THE DIRECTION SHOWN AND THE CROSS SLOPE SHALL NOT EXCEED 2.0%
(F)	INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE GREATER THAN 2.0% AND LESS THAN 5.0% IN THE DIRECTION SHOWN AND CROSS SLOPE SHALL NOT EXCEED 2.0%

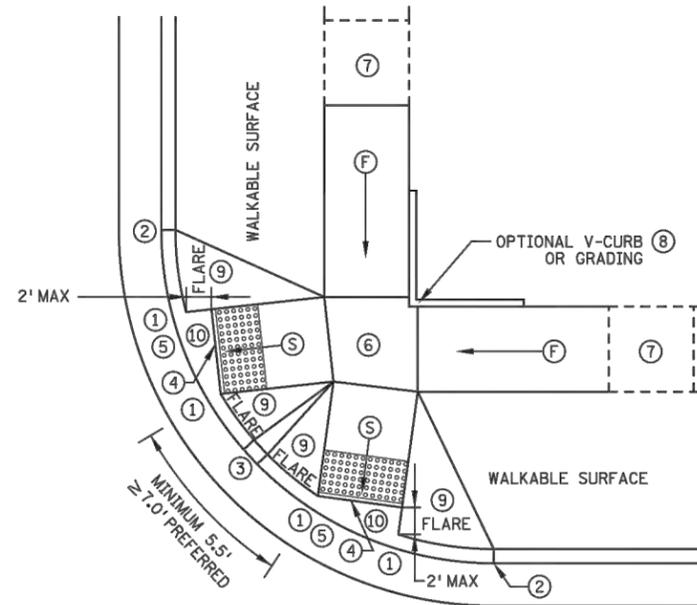
REVISIONS:
APPROVED: 8-6-2014
[Signature]
OPERATIONS ENGINEER

MINNESOTA DEPARTMENT OF TRANSPORTATION
REVISED:
[Signature] APPROVED:
8-6-2014
STATE DESIGN ENGINEER

PEDESTRIAN CURB RAMP DETAILS
STANDARD PLAN 5-297.250 1 OF 5

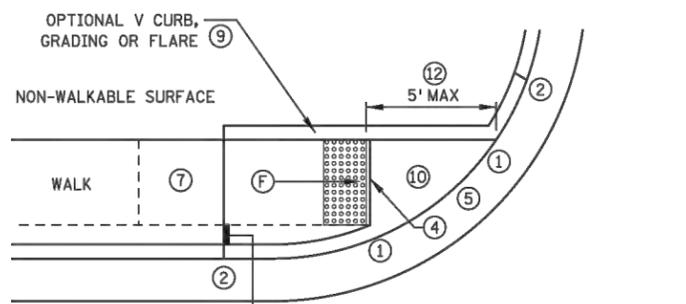


ADJACENT TO NON-WALKABLE SURFACE



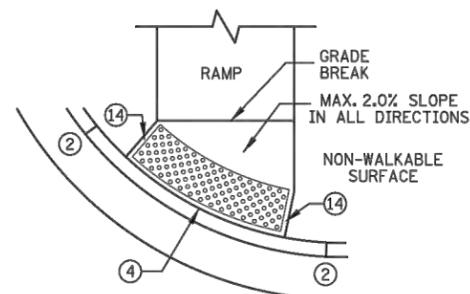
ADJACENT TO WALKABLE SURFACE

COMBINED DIRECTIONAL 15

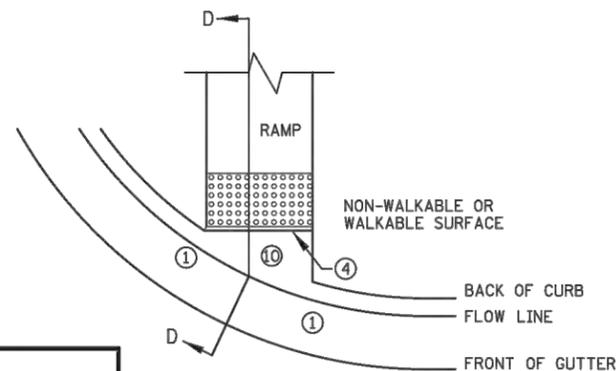
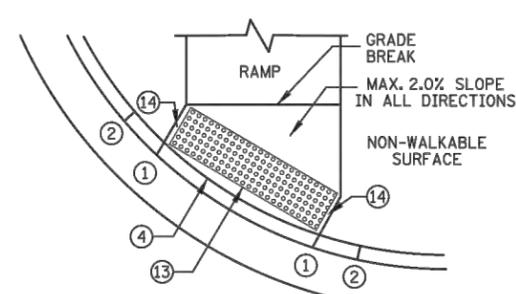


ONE-WAY DIRECTIONAL

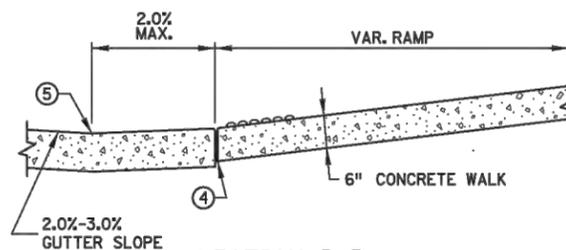
IF NON-CONCRETE BLVD. IS CONSTRUCTED AND IS LESS THAN 2' IN WIDTH AT TOP OF CURB TRANSITION, PAVE CONCRETE RAMP WIDTH TO ADJACENT BACK OF CURB.



DETECTABLE WARNING PLACEMENT WHEN SETBACK CRITERIA IS EXCEEDED



CURB FOR DIRECTIONAL RAMPS 11



SECTION D-D

NOTES:

- LANDINGS SHALL BE LOCATED ANYWHERE THE PEDESTRIAN ACCESS ROUTE CHANGES DIRECTION, AT THE TOP OF RAMPS THAT HAVE RUNNING SLOPES GREATER THAN 5.0%, AND IF THE APPROACHING WALK IS INVERSE GRADE.
- INITIAL CURB RAMP LANDINGS SHALL BE CONSTRUCTED WITHIN 15' FROM THE BACK OF CURB, WITH 6' FROM THE BACK OF CURB BEING THE PREFERRED DISTANCE.
- SECONDARY CURB RAMP LANDINGS ARE REQUIRED FOR EVERY 30" OF VERTICAL RISE WHEN THE LONGITUDINAL SLOPE IS GREATER THAN 5.0%.
- CONTRACTION JOINTS SHALL BE CONSTRUCTED ALONG ALL GRADE BREAKS.
- ALL GRADE BREAKS WITHIN THE PAR SHALL BE PERPENDICULAR TO THE PATH OF TRAVEL.
- TO ENSURE RAMPS AND LANDINGS ARE PROPERLY CONSTRUCTED, LANDINGS MAY BE CAST SEPARATELY, FOLLOW SIDEWALK REINFORCEMENT DETAILS ON SHEET 5 WHEN LANDINGS ARE CAST SEPARATELY.
- ALL SLOPES ARE ABSOLUTE, RATHER THAN RELATIVE TO SIDEWALK/ROADWAY GRADES.
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- SEE STANDARD PLATE 7038 AND SHEET 4 OF 5 FOR ADDITIONAL DETAILS ON DETECTABLE WARNING.
- 1 0" CURB HEIGHT.
- 2 FULL CURB HEIGHT.
- 3 3" MINIMUM CURB HEIGHT, 4" PREFERRED.
- 4 1/2" PREFORMED JOINT FILLER MATERIAL AASHTO M 213. JOINT FILLER SHALL BE PLACED FLUSH WITH THE BACK OF CURB AND ADJACENT SIDEWALK. JOINT SHALL BE FREE OF DEBRIS. RECTANGULAR DETECTABLE WARNINGS SHALL BE SETBACK 3" FROM THE BACK OF CURB. RADIAL DETECTABLE WARNINGS SHALL BE SETBACK 3" MIN. TO 6" MAX. FROM THE BACK OF CURB.
- 5 SEE PEDESTRIAN ACCESS ROUTE CURB AND GUTTER DETAIL FOR INFORMATION ON CONSTRUCTING CURB AND GUTTER AT CURB OPENINGS. SEE SHEET NO. 3 OF 5.
- 6 4' BY 4' MIN. LANDING WITH MAX. 2.0% SLOPE IN ALL DIRECTIONS.
- 7 IF LONGITUDINAL SLOPE IS GREATER THAN 5.0%, 4' X 4' MIN. LANDING WITH MAX 2.0% SLOPE IN ALL DIRECTIONS REQUIRED.
- 8 V CURB, IF USED, SHALL BE PLACED OUTSIDE THE SIDEWALK LIMITS WHEN RIGHT OF WAY ALLOWS.
- 9 SEE SHEET 4 OF 5, TYPICAL SIDE TREATMENT OPTIONS, FOR DETAILS ON FLARES AND RETURNED CURBS.
- 10 MAX. 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK AND DRAIN TO FLOW LINE. SHALL BE CONSTRUCTED INTEGRAL WITH CURB AND GUTTER.
- 11 TO BE USED FOR ALL DIRECTIONAL RAMPS.
- 12 PLACE DOMES AT THE BACK OF CURB WHEN ALLOWABLE SETBACK CRITERIA IS EXCEEDED.
- 13 RECTANGULAR DETECTABLE WARNINGS MAY BE SETBACK 9" FROM THE BACK OF CURB WITH CORNERS SET 3" FROM BACK OF CURB. IF 9" SETBACK IS EXCEEDED USE RADIAL DETECTABLE WARNINGS.
- 14 WHEN NO CONCRETE FLARES ARE PROPOSED, THE CONCRETE WALK SHALL BE FORMED AND CONSTRUCTED PERPENDICULAR TO THE BACK OF CURB. MAINTAIN 3" BETWEEN EDGE OF DOMES AND EDGE OF CONCRETE.
- 15 FRONT EDGE OF DETECTABLE WARNING SHALL BE SET BACK 2' MAXIMUM WHEN ADJACENT TO WALKABLE SURFACE, AND 5' MAXIMUM WHEN ADJACENT TO NON-WALKABLE SURFACE WITH ONE CORNER SET 3" FROM BACK OF CURB. WHETHER A SURFACE IS WALKABLE OR NOT SHALL BE DETERMINED BY THE ENGINEER

LEGEND

THESE LONGITUDINAL SLOPE RANGES SHALL BE THE STARTING POINT. IF SITE CONDITIONS WARRANT, LONGITUDINAL SLOPES UP TO 8.3% OR FLATTER ARE ALLOWED.

- S INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE BETWEEN 5.0% MINIMUM AND 8.3% MAXIMUM IN THE DIRECTION SHOWN AND THE CROSS SLOPE SHALL NOT EXCEED 2.0%
- F INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE GREATER THAN 2.0% AND LESS THAN 5.0% IN THE DIRECTION SHOWN AND CROSS SLOPE SHALL NOT EXCEED 2.0%

REVISION:
APPROVED: 8-6-2014
<i>[Signature]</i>
OPERATIONS ENGINEER

DESIGNED: JIF
 DRAWN: JIF
 CHECKED: BGD

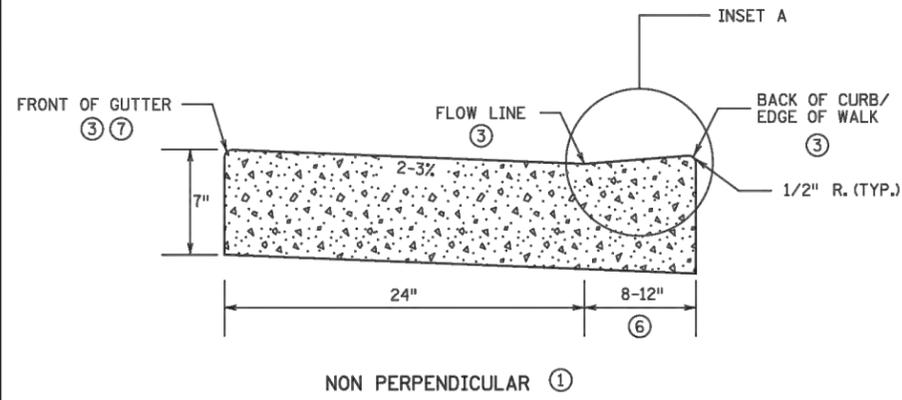
REVISED:

APPROVED: *[Signature]* 8-6-2014
 STATE DESIGN ENGINEER

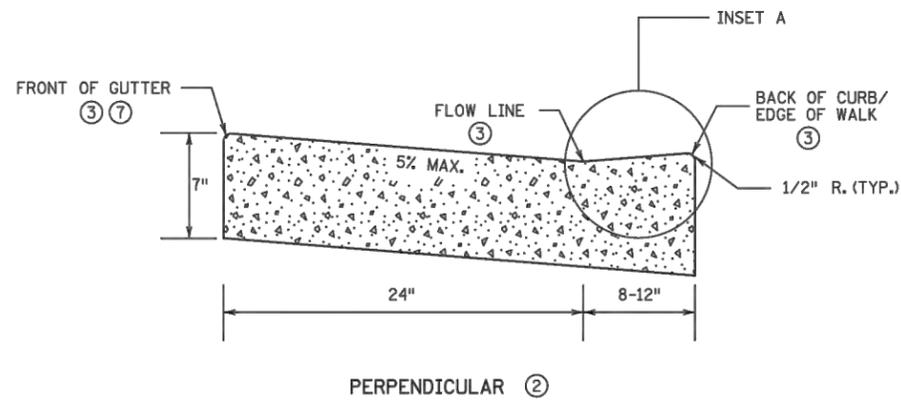
PEDESTRIAN CURB RAMP DETAILS

STANDARD PLAN 5-297.250 2 OF 5

REV.	BY	DATE

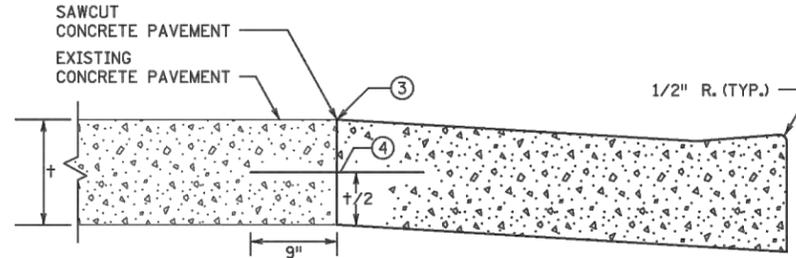
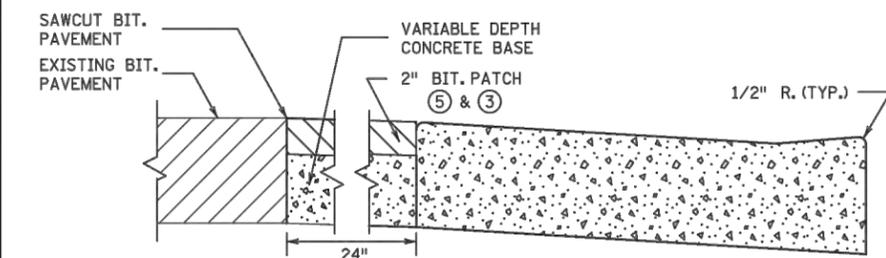
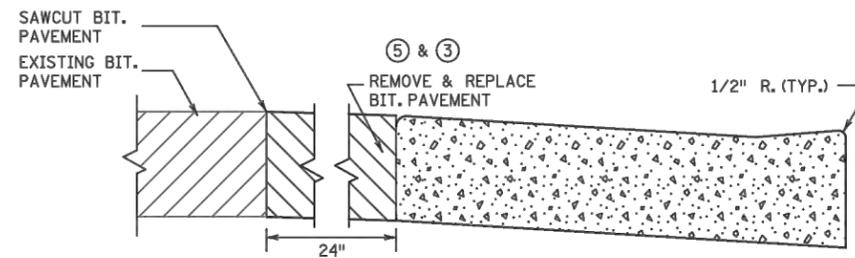
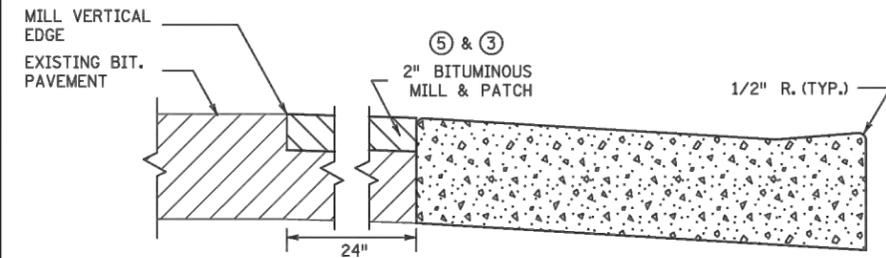


NON PERPENDICULAR ①

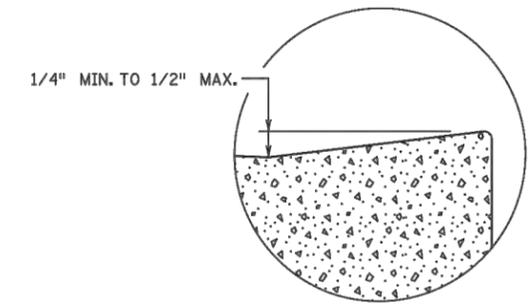


PERPENDICULAR ②

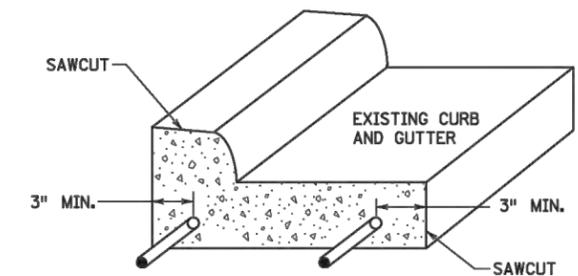
PEDESTRIAN ACCESS ROUTE
CURB & GUTTER DETAIL



PAVEMENT TREATMENT OPTIONS
IN FRONT OF CURB & GUTTER
FOR USE ON CURB RAMP RETROFITS



INSET A



CURB AND GUTTER
REINFORCEMENT ⑧
FOR USE ON CURB RAMP RETROFITS

NOTES:

- POSITIVE FLOW LINE DRAINAGE SHALL BE MAINTAINED THROUGH THE PEDESTRIAN ACCESS ROUTE (PAR) AT A 2% MAXIMUM.
- NO PONDING SHALL BE PRESENT IN THE PAR.
- ANY VERTICAL LIP THAT OCCURS AT THE FLOW LINE SHALL NOT BE GREATER THAN 1/4 INCH.
- ① FOR USE AT CURB CUTS WHERE THE PEDESTRIAN'S PATH OF TRAVEL IS ASSUMED NON PERPENDICULAR TO THE GUTTER FLOW LINE. RAMP TYPES INCLUDE: FANS, DEPRESSED CORNERS, & ONE WAY AND COMBINED DIRECTIONALS.
- ② FOR USE AT CURB CUTS WHERE THE PEDESTRIAN'S PATH OF TRAVEL IS ASSUMED PERPENDICULAR TO THE GUTTER FLOW LINE. RAMP TYPES INCLUDE: PERPENDICULAR, TIERED PERPENDICULAR, PARALLEL, AND DIAGONAL RAMP.
- ③ THERE SHALL BE NO VERTICAL DISCONTINUITIES GREATER THAN 1/4".
- ④ DRILL AND GROUT NO. 4 EPOXY-COATED 18" LONG TIE BARS AT 30" CENTER TO CENTER INTO EXISTING CONCRETE PAVEMENT.
- ⑤ ELEVATION CHANGE TAKES PLACE FROM THE EXISTING TO NEW FRONT OF GUTTER. PATCH IS USED TO MATCH THE NEW GUTTER FACE INTO THE EXISTING ROADWAY.
- ⑥ VARIABLE WIDTH FOR DIRECTIONAL CURB APPLICATIONS.
- ⑦ TOP FRONT OF GUTTER SHALL BE CONSTRUCTED FLUSH WITH PROPOSED ADJACENT PAVEMENT ELEVATION. PAR GUTTER SHALL NOT BE OVERLAID.
- ⑧ WHERE PLAN SPECIFIES, DRILL AND GROUT 2 - NO. 4 X 12" LONG REINFORCEMENT BARS (EPOXY COATED).

REVISION:
APPROVED: 8-6-2014
<i>[Signature]</i> OPERATIONS ENGINEER

MINNESOTA DEPARTMENT OF TRANSPORTATION

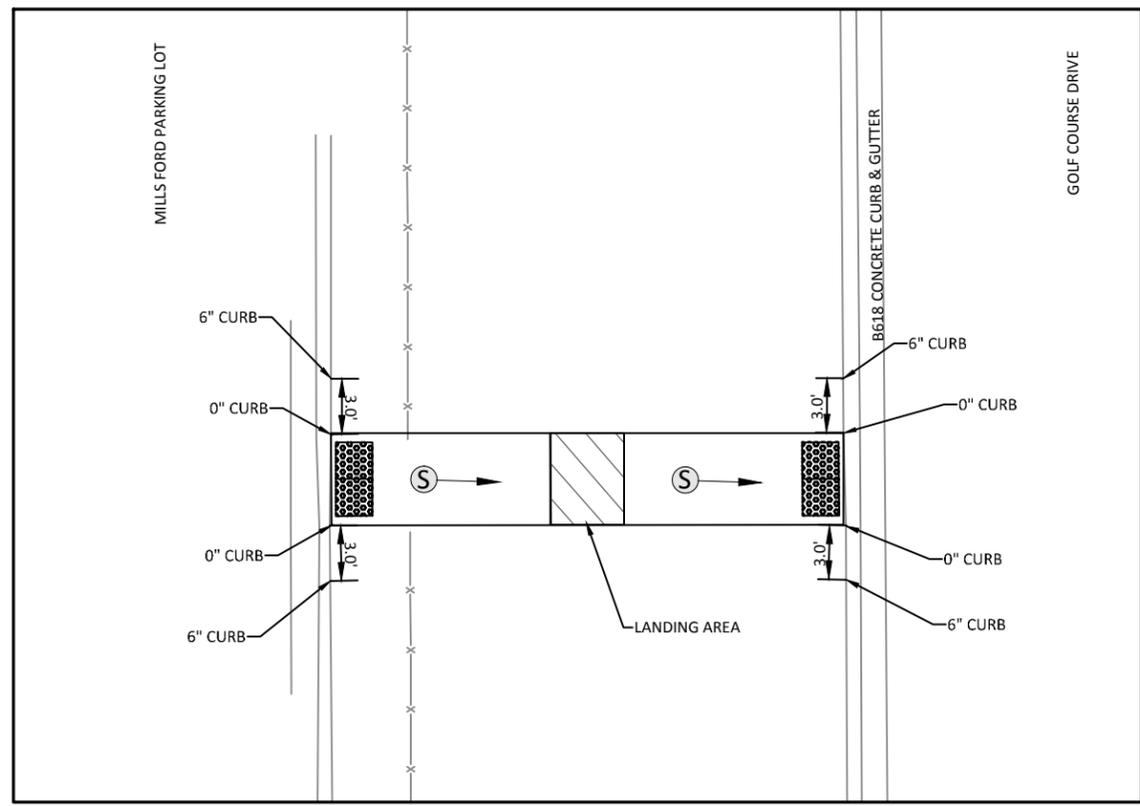
DESIGNED: JJF
DRAWN: JJF
CHECKED: BGD

REVISOR: [Signature]
APPROVED: 8-6-2014
STATE DESIGN ENGINEER

PEDESTRIAN CURB RAMP DETAILS		
STANDARD PLAN 5-297.250	3 OF 5	

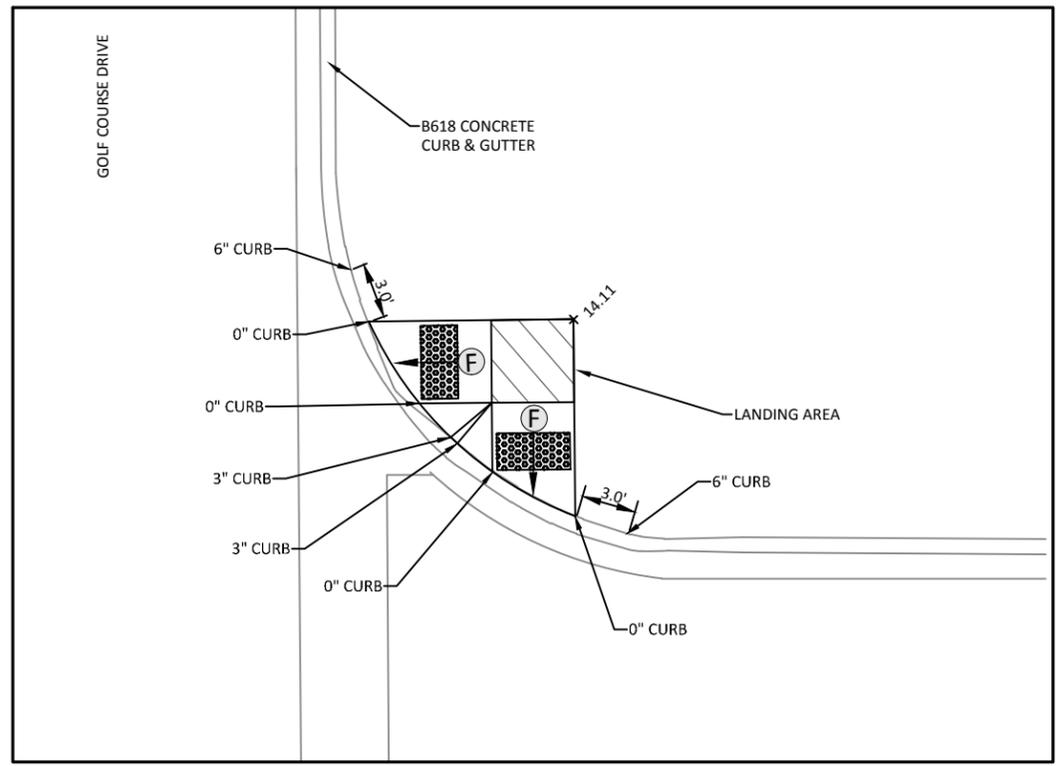
REV.	BY	DATE

CITY OF BAXTER, MINNESOTA
2016 GOLF COURSE DRIVE
TYPICAL DETAILS



NW PEDESTRIAN RAMP: GOLF COURSE DRIVE (STA. 51+62.43)

SINGLE DIRECTIONAL
F&I: 4 EA 24" X 24" PLATES (16 SF)



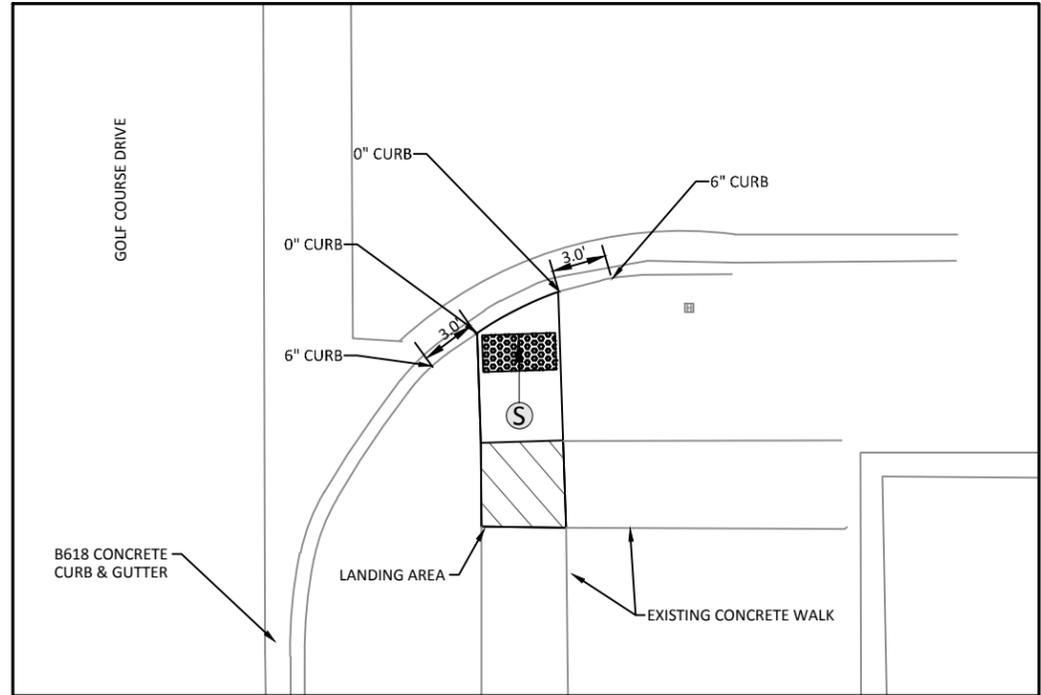
NE PEDESTRIAN RAMP: GOLF COURSE DRIVE (STA. 51+58.48)

COMBINED PERPINDICULAR
F&I: 4 EA 24" X 24" PLATES (16 SF)

LEGEND

 LANDING AREA: MAXIMUM 2% SLOPE IN ALL DIRECTIONS	 PEDESTRIAN RAMP: SLOPE SHALL BE ≤ 8.3% IN DIRECTION SHOWN AND ≤ 2% CROSS SLOPE	 PEDESTRIAN RAMP: SLOPE SHALL BE ≤ 5.0% IN DIRECTION SHOWN AND ≤ 2% CROSS SLOPE
--	--	--

SEE SHEET 5.8 FOR LOCATION OF PEDESTRIAN RAMPS



SE PEDESTRIAN RAMP: GOLF COURSE DRIVE (STA. 51+20.15)

SINGLE DIRECTIONAL
F&I: 2 EA 24" X 24" PLATES (8 SF)



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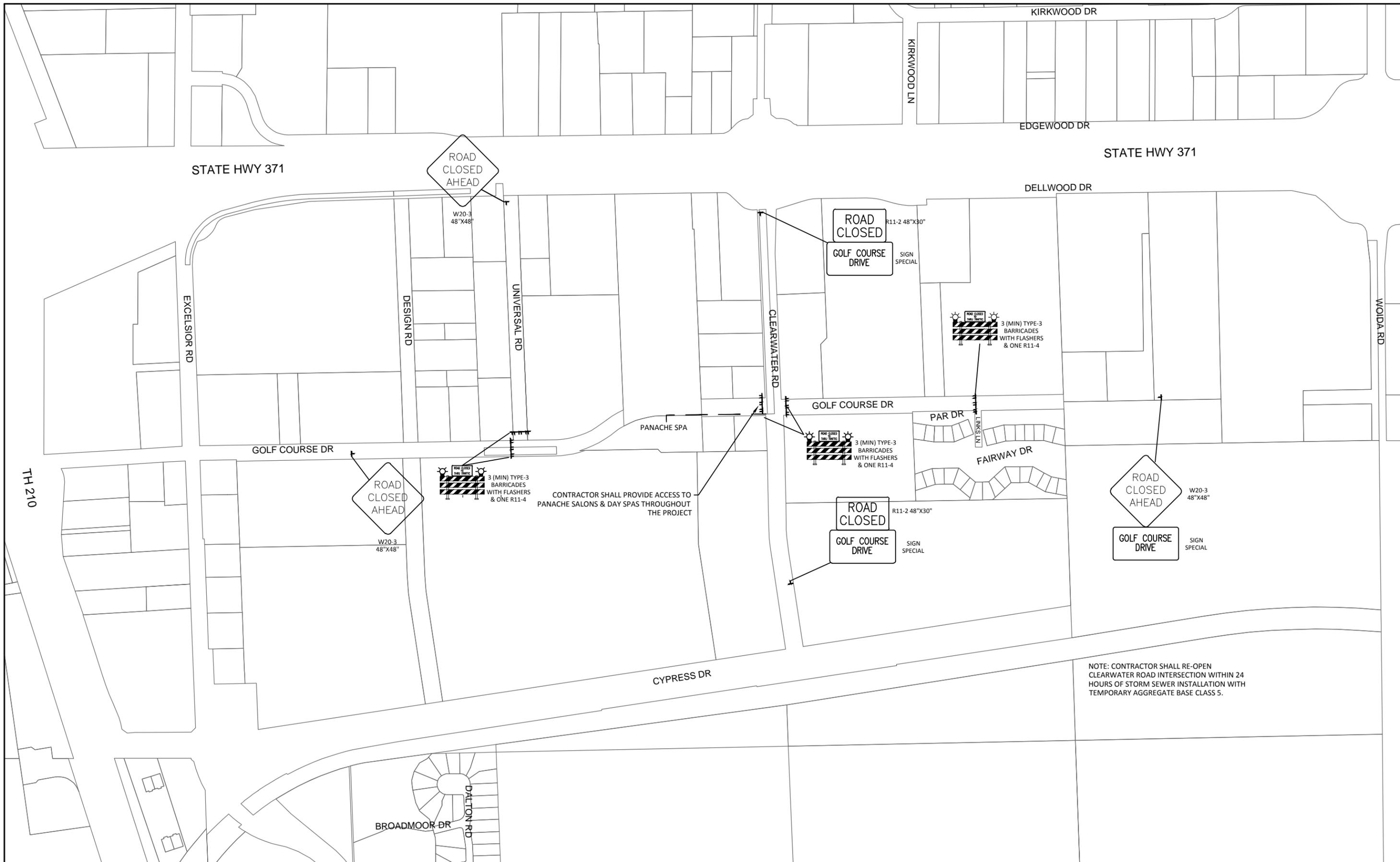
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CITY OF BAXTER, MINNESOTA
2016 GOLF COURSE DRIVE
PEDESTRIAN RAMP DETAILS



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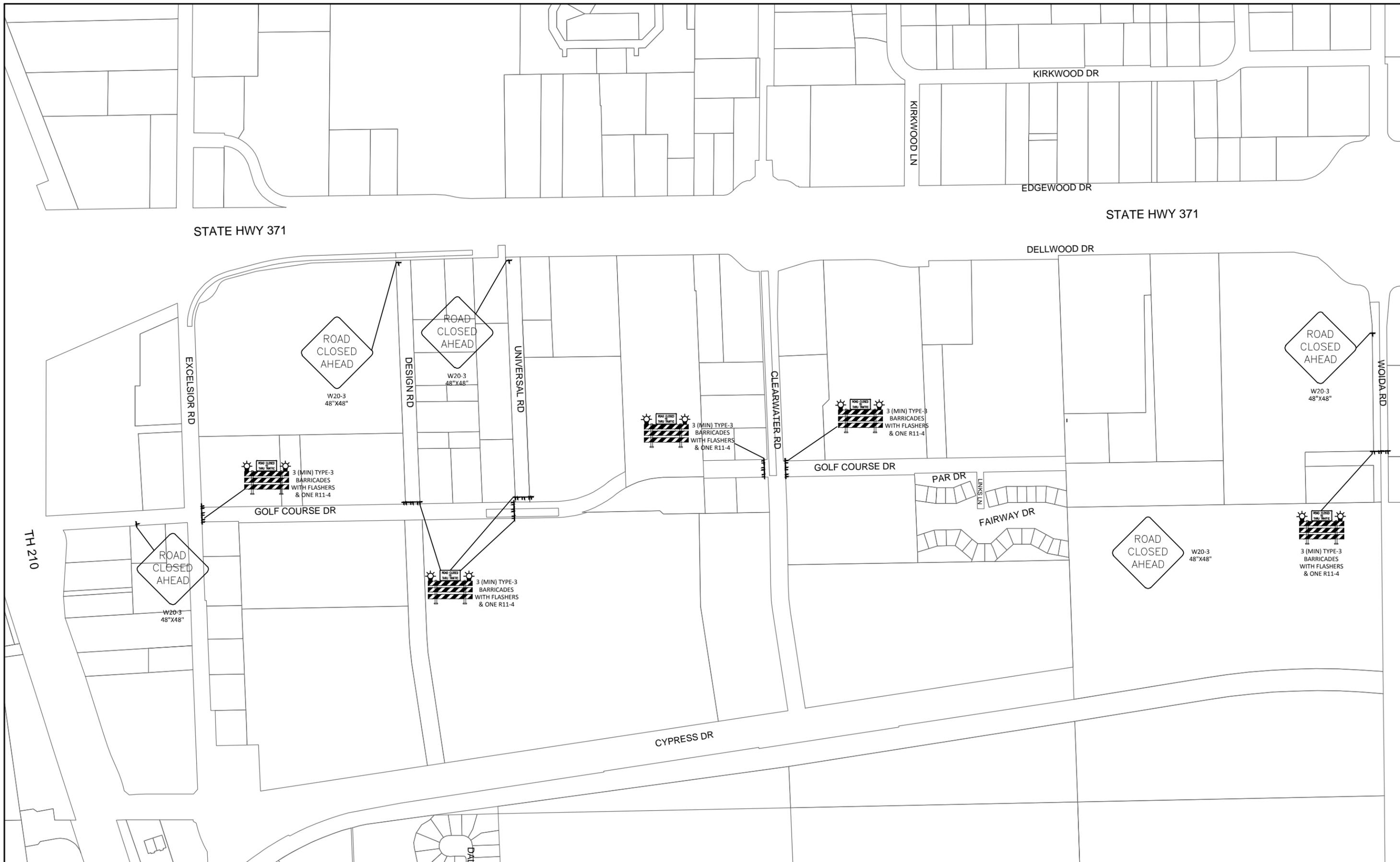
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CITY OF BAXTER, MINNESOTA
2016 GOLF COURSE DRIVE
PHASE 1 TRAFFIC CONTROL PLAN

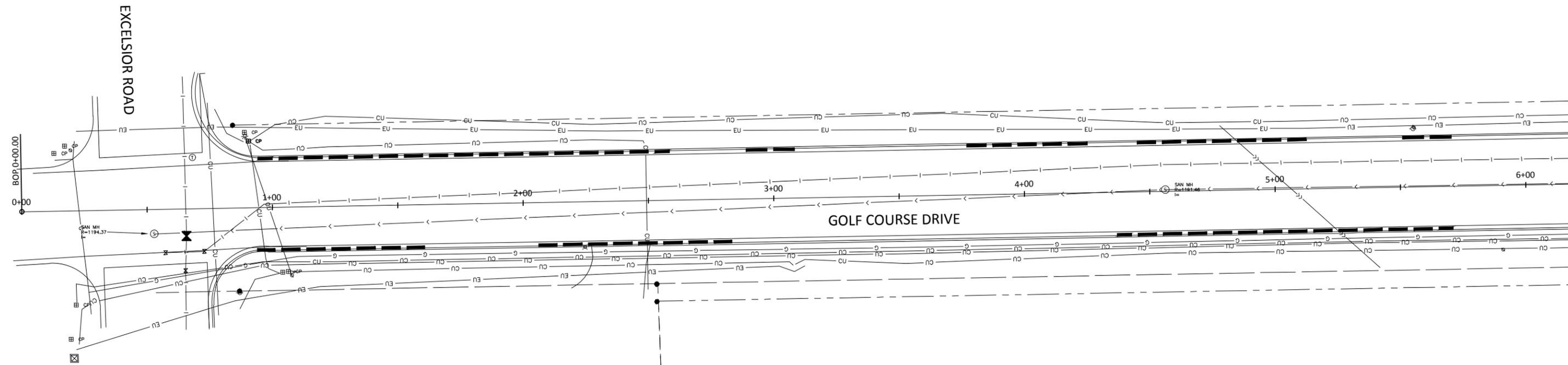
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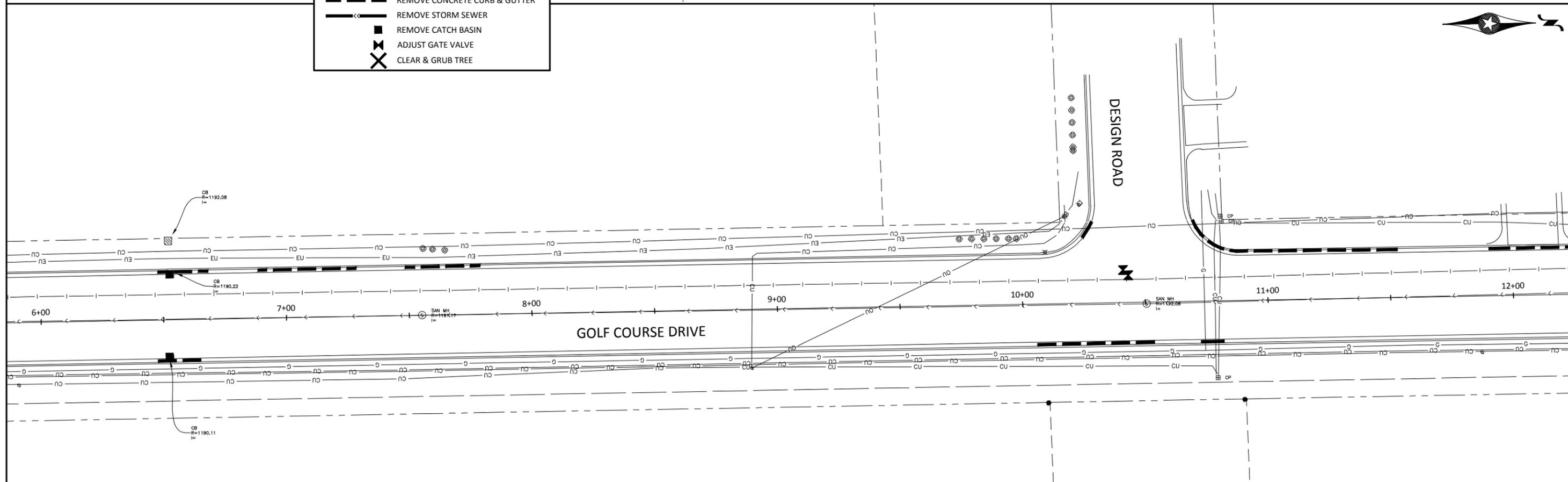


<p>0 150 300 HORZ. SCALE FEET</p>	<p>HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.</p> <p>BRYAN G. DROWN LIC. NO. 41934 DATE XX/XX/XXXX</p>	<p>DESIGNED: JJF DRAWN: JJF CHECKED: BGD</p>	<p>BOLTON & MENK, INC. Consulting Engineers & Surveyors MANKATO, MN FAIRMONT, MN SLEEPY EYE, MN BURNSVILLE, MN WILLMAR, MN CHASKA, MN RAMSEY, MN MAPLEWOOD, MN BAXTER, MN ROCHESTER, MN AMES, IA SPENCER, IA DES MOINES, IA FARGO, ND</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV.</th> <th>BY</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	REV.	BY	DATE										<p style="text-align: center;">CITY OF BAXTER, MINNESOTA 2016 GOLF COURSE DRIVE</p> <p style="text-align: center;">PHASE 2 TRAFFIC CONTROL PLAN</p>	<p>SHEET 2.10</p>
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LEGEND	
	REMOVE BITUMINOUS PAVEMENT
	REMOVE CONCRETE WALK
	REMOVE CONCRETE CURB & GUTTER
	REMOVE STORM SEWER
	REMOVE CATCH BASIN
	ADJUST GATE VALVE
	CLEAR & GRUB TREE



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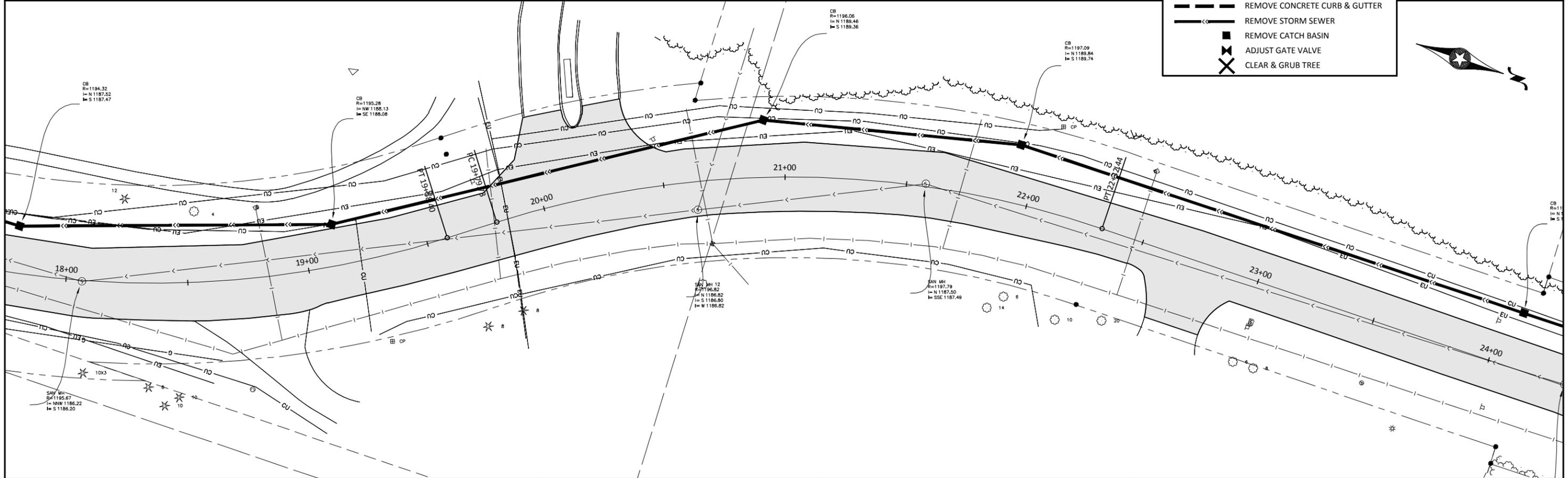
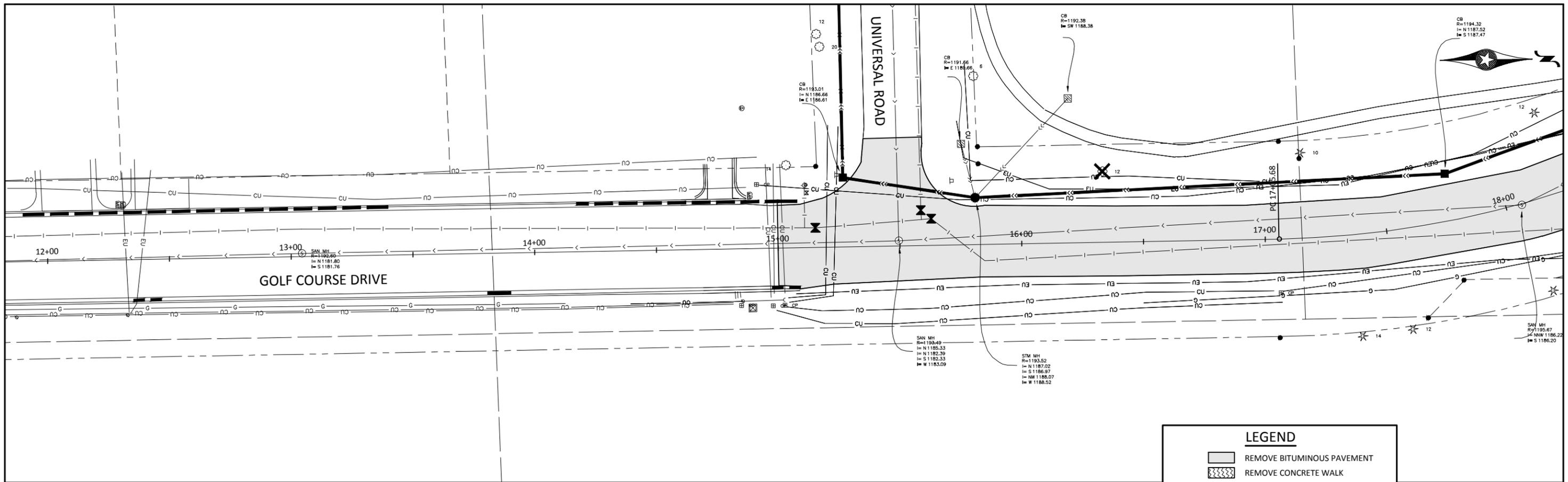
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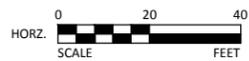
CITY OF BAXTER, MINNESOTA
2016 GOLF COURSE DRIVE
REMOVALS - GOLF COURSE DRIVE

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LEGEND

-  REMOVE BITUMINOUS PAVEMENT
-  REMOVE CONCRETE WALK
-  REMOVE CONCRETE CURB & GUTTER
-  REMOVE STORM SEWER
-  REMOVE CATCH BASIN
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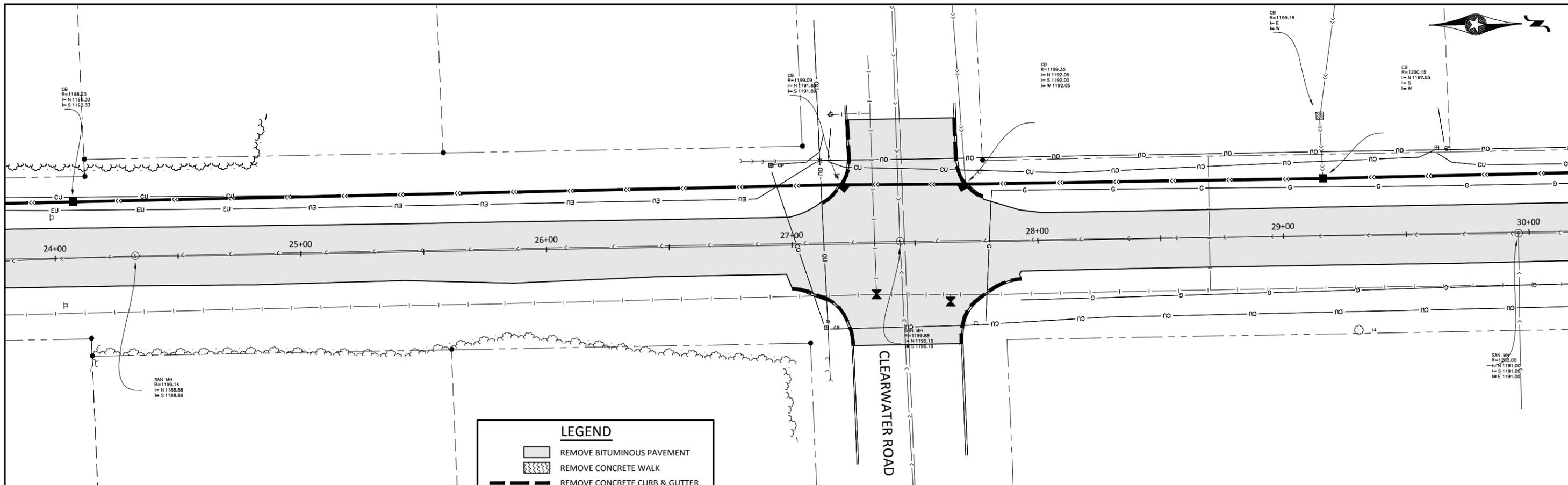
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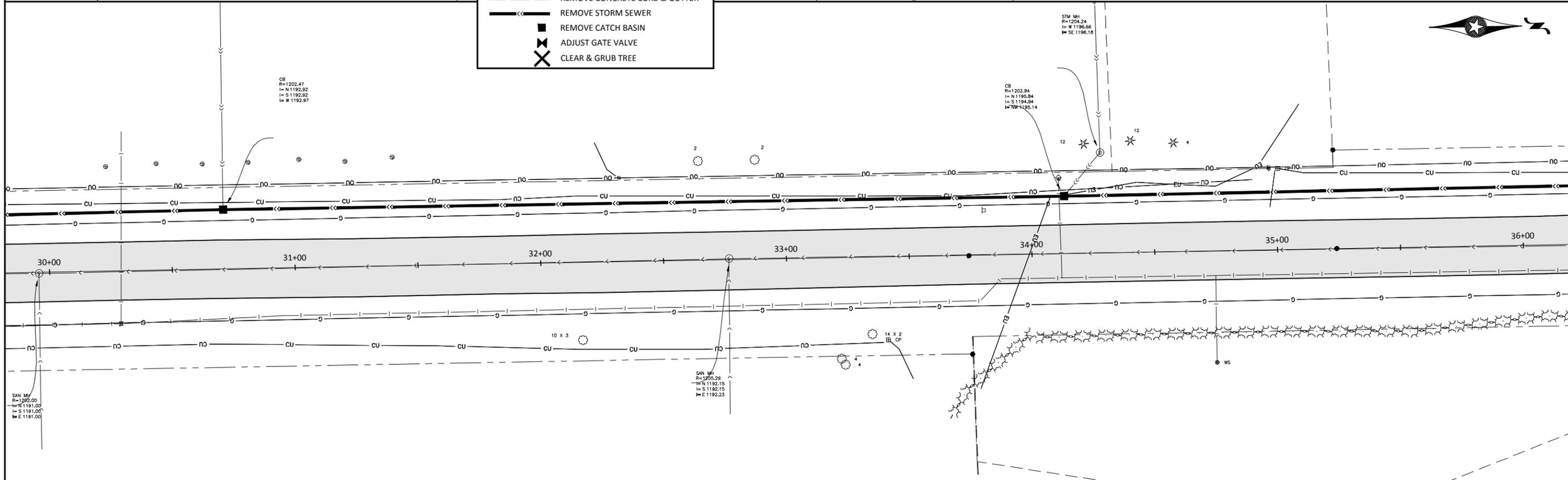
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2016 GOLF COURSE DRIVE
REMOVALS - GOLF COURSE DRIVE

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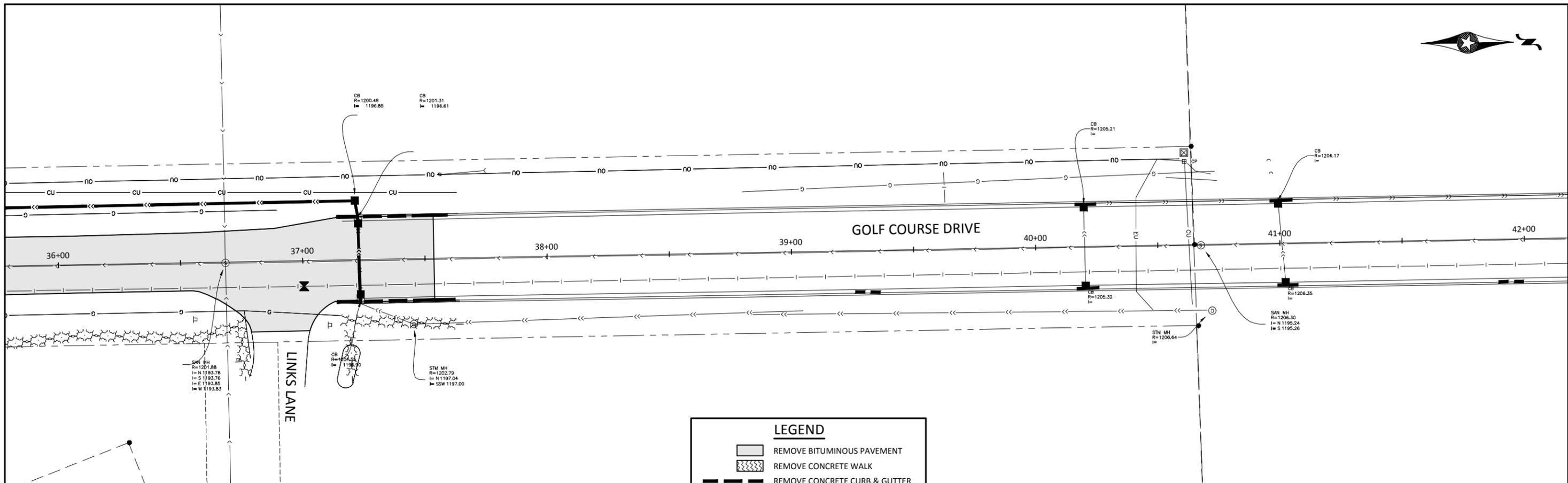
LEGEND

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- REMOVE CONCRETE WALK
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- REMOVE STORM SEWER
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- ADJUST GATE VALVE
- CLEAR & GRUB TREE



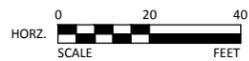
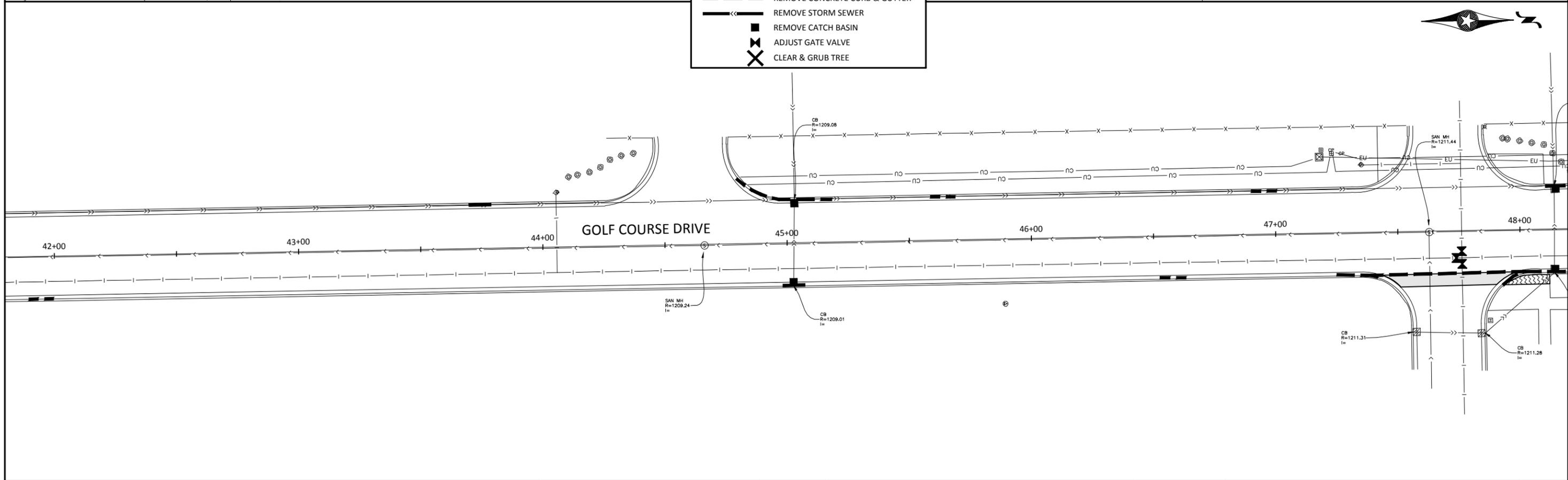
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LEGEND

- REMOVE BITUMINOUS PAVEMENT
- REMOVE CONCRETE WALK
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- REMOVE STORM SEWER
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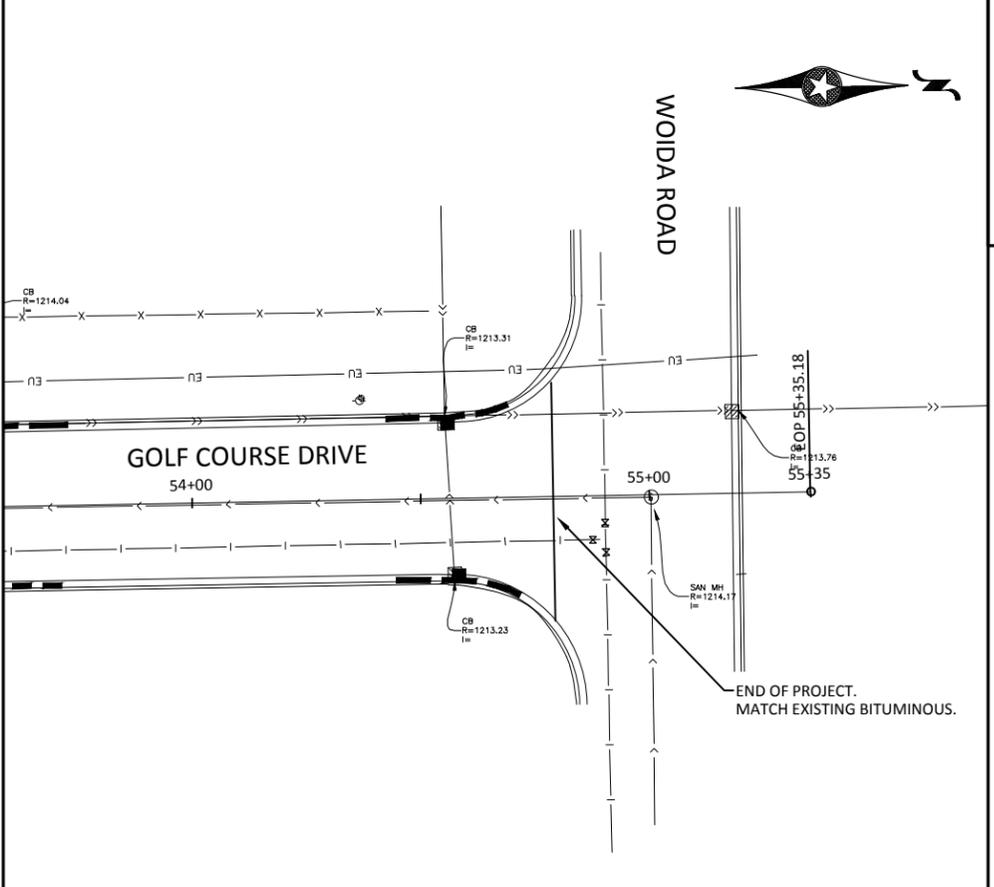
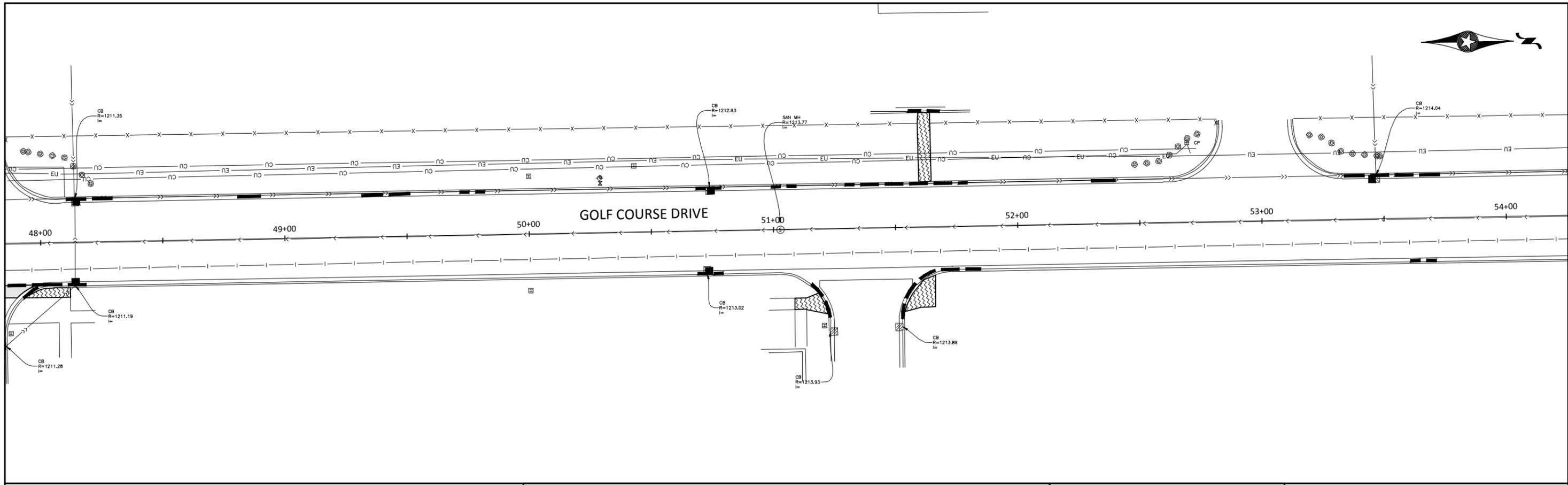


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CITY OF BAXTER, MINNESOTA
2016 GOLF COURSE DRIVE
REMOVALS - GOLF COURSE DRIVE

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LEGEND

- REMOVE BITUMINOUS PAVEMENT
- REMOVE CONCRETE WALK
- REMOVE CONCRETE CURB & GUTTER
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- REMOVE CATCH BASIN
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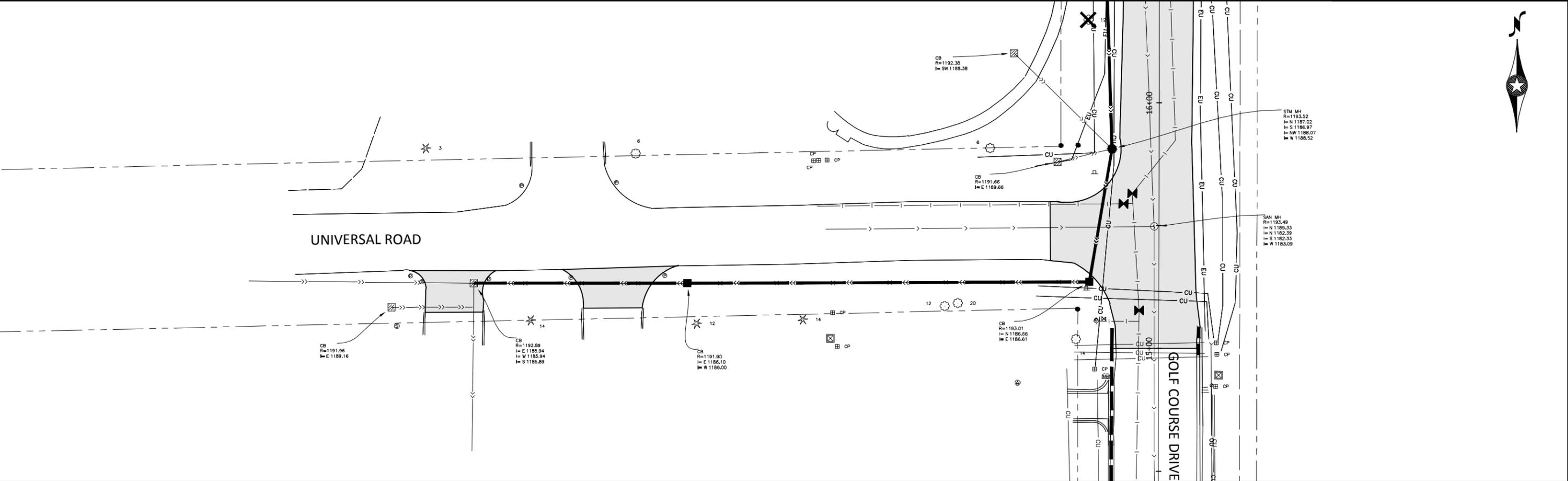
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 2016 GOLF COURSE DRIVE
 REMOVALS - GOLF COURSE DRIVE

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LEGEND	
	REMOVE BITUMINOUS PAVEMENT
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REMOVALS - UNIVERSAL ROAD

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Information contained in this SWPPP narrative sheet summarizes requirements of the GENERAL PERMIT AUTHORIZATION TO DISCHARGE STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM/STATE DISPOSAL SYSTEM PROGRAM - Permit No: MN R100001 as they apply to this project. All provisions of the permit including those not specifically cited herein shall apply to this project. The Contractor is responsible to be familiar with and comply with all conditions of the permit. The full text of the permit is available at: <http://www.pca.state.mn.us/index.php/water/water-types-and-programs/stormwater/construction-stormwater/mpca-to-re-issue-construction-stormwater-general-permit.html>

SWPPP AMENDMENTS

Permittee must amend SWPPP as necessary to include additional requirements to correct problems identified or address the following situations.

1. There is a change in design, construction, operation, maintenance, weather or seasonal conditions.
2. Inspections or investigations by site owner or operators, USEPA or MPCA officials determine the SWPPP is not minimizing discharge of pollutants to surface waters or underground waters or discharges are causing water quality standard exceedances.
3. The SWPPP is not achieving the objectives of minimizing pollutants in stormwater discharges associated with construction activity, or the SWPPP is not consistent with the terms and conditions of the permit.
4. The MPCA determines that the project's stormwater discharges may cause, have reasonable potential to cause, or contribute to non-attainment of any applicable water quality standard, or the SWPPP does not incorporate the applicable requirements of the permit.

EROSION PREVENTION PRACTICES

The location of areas not to be disturbed must be delineated on the project before site work begins.

Disturbance on steep slopes (>33.3%) shall be minimized. Where required, techniques such as phasing and stabilizing practices designed for steep slopes shall be used.

All exposed soils must be stabilized as soon as possible, but in no case later than 14 days after the construction activity has temporarily or permanently ceased.

For public waters that have been promulgated "work in water restrictions" during fish spawning time frames, all exposed soil areas that are within 200 feet of the water's edge, and drain to these waters must complete stabilization within 24-hours during the time period.

Stormwater conveyance channels shall be routed around unstabilized areas. Erosion controls and velocity dissipation devices shall be used at outlets within and along the length of any constructed conveyance channel.

The normal wetted perimeter of all ditches or swales, including storm water management pond slopes, that drain waters from the site must be stabilized within 200' of any property edge or discharge point, including storm sewer inlets, within 24 hours of connection.

Stabilization of the remaining portions of any temporary or permanent ditches or swales within 14 calendar days after connecting to a surface water or property edge and construction in that portion of the ditch has temporary or permanently ceased.

Temporary or permanent ditches or swales used as sediment containment during construction do not need to be stabilized during temporary period of use and shall be stabilized within 24 hours after no longer used as sediment containment.

Mulch, hydromulch, tackifier, or similar practice shall not be used in any portion of a temporary or permanent drainage ditch. Refer to erosion and sediment control plan for temporary and permanent stabilization measures for ditches and swales.

Stormwater discharges shall be directed to vegetated areas where feasible. Velocity dissipation devices shall be used at discharge point.

Phased construction will be used to extent practical or as indicated in the plans to minimize exposed soils.

Rapid stabilization shall be of type and quantity indicated in the project specifications. Additional rapid stabilization may be necessary to minimize erosion throughout the duration of the project. Type and quantity shall be determined by the engineer or inspector prior to installation. In extreme cases, the contractor shall use any available rapid stabilization to immediately mitigate erosion, then further remedy the situation with approval by owner or engineer.

SEDIMENT CONTROL PRACTICES

Practices must be established on all down gradient perimeters and be located up gradient of any buffer zones. Perimeter controls must be in place before up gradient land-disturbing activities begin and shall remain in place until final stabilization.

All sediment controls practices shall be re-installed if they have been adjusted or removed to accommodate short-term activities and replaced immediately after the short term activity has ceased. Short term activities shall be performed as quickly as possible. Sediment control practices shall be re-installed even before the next precipitation event if the activity is not complete.

All storm drains must be protected by appropriate BMPs during construction until all sources to the inlet have

been stabilized. Inlet protection may be removed for specific safety concerns identified by the Permittee or jurisdictional authority. The removal shall be documented in the SWPPP and retained on site. Temporary stockpiles must have silt fence or other effective sediment controls and shall not be placed in surface waters or natural buffers.

Vehicle tracking BMPs shall be installed to minimize track out of sediment from the construction site. Method shall be approved by engineer prior to commencement of construction activities. Street sweeping shall be used if vehicle tracking BMPs are not adequate to prevent sediment from being tracked onto the street.

Soil compaction shall be minimized and topsoil shall be preserved, unless infeasible or if construction activities dictate soil compaction or topsoil stripping.

A 50 foot natural buffer, or redundant BMPs (where a buffer is infeasible) must be maintained when a surface water is located within 50 feet of disturbance activities and site runoff flows to the surface water.

If polymers, flocculants, or other sedimentation treatment chemicals are used on site, 1) conventional erosion and sediment controls shall be sowed prior to chemical placement, 2) chemicals shall be chosen based on soil types, and expected turbidity, pH, and flow rate of stormwater flowing into the treatment system, and 3) chemicals shall be used with accepted engineering practices and dosing specifications.

TEMPORARY SEDIMENTATION BASINS

The temporary sedimentation basin shall be constructed and made operational prior to disturbance of 10 or more acres draining to a common location.

Temporary sedimentation basins are required prior to runoff leaving the construction site or entering surface waters when 10 or more acres of disturbed soils drain to a common location. The basin must provide 3,600 cubic feet of "storage below the outlet per acre drained. If hydraulic calculations are available, the temporary sedimentation basin must provide a storage volume equivalent to the 2-year, 24-hour storm, but in no case less than 1800 cubic feet per acre drained. The temporary sedimentation basin must be constructed and made operational concurrent with the start of soil disturbance up gradient of the pond. The temporary sedimentation basin shall be designed to prevent short circuiting. The outfall shall be designed to remove floatable debris, allow for complete drawdown of the pond for maintenance activities, and have energy dissipation. The emergency spillway shall be stabilized.

Temporary sedimentation basins shall be situated outside of surface waters and any required buffer zone, and must be designed to avoid draining wetlands, unless the impact is in compliance with the requirements of this permit.

Excessive sediment-laden water that is not properly filtered will not be permitted to discharge from site.

DEWATERING AND BASIN DRAINING

Turbid or sediment-laden waters related to dewatering or basin draining shall be discharged to a temporary or permanent sedimentation basin on the project site unless infeasible. The temporary or permanent basin may discharge to surface waters if the basin water has been visually checked to ensure adequate treatment has been obtained in the basin and that the nuisance conditions will not result from the discharge. Discharge points shall be adequately protected from erosion and proper velocity dissipation provided.

All water from dewatering or basin-draining activities must be discharged in a manner that does not cause nuisance conditions, erosion in the receiving channels or on down slope properties, or inundation in wetlands causing significant adverse impacts to the wetland.

If filters with backwash waters are used, the backwash water shall be hauled away for disposal, returned to the beginning of the treatment process, or incorporated into site in a manner that does not cause erosion. Backwash water may be discharged to sanitary sewer if permission is granted by the sanitary sewer authority.

POLLUTION PREVENTION

Building products that have the potential to leach pollutants must be under cover to prevent discharge or protected by an effective means designed to minimize contact with stormwater.

Pesticides, herbicides, insecticides, fertilizers, treatment chemicals, and landscape materials must be under cover.

Hazardous materials and toxic waste must be properly stored in sealed containers to prevent spills, leaks or other discharge. Restricted access storage areas must be provided to prevent vandalism.

Solid waste must be stored, collected and disposed of in compliance with Minn. R. CH 7035.

Portable toilets must be positioned so that they are secure and will not be tipped or knocked over. Sanitary waste must be disposed of properly in accordance with Minn. R. CH 7041.

Discharge of spilled or leaked chemicals, including fuel, from any area where chemicals or fuel will be loaded or unloaded shall be prevented using drip pans or absorbents. Supplies shall be available at all times to clean up discharged materials and that an appropriate disposal method must be available for recovered spilled materials.

Exterior vehicle or equipment washing on the project site shall be limited to a defined area of the site. Runoff from the washing area shall be contained in a sediment basin or other similarly effective controls and waste from the washing activity must be properly disposed of. No engine degreasing is allowed on site. Effective containment for all liquid and solid wastes generated by concrete and other washout operations related to construction activity shall be effectively contained. Liquid and solid washout waste shall not contact the ground, and containment must be designed so that it does not result in runoff from the washout operations or areas. A sign must be installed adjacent to each washout facility that requires site personnel to utilize the proper facilities for disposal of concrete and other washout wastes.

INFESTED WATERS:

MN DNR permits are not valid for work in waters that are designated as infested waters unless accompanied by and Infested Waters Permit or written notification from MN DNR that an Infested Waters Permit is not required. There is no exception for pre-existing permits. If a MN DNR Permit has been issued for the project and the water is later designated as infested, the Contractor shall halt all work covered by the MN DNR Permit until an Infested Water Permit or written notification that in Infested Water is not required is obtained.

INSPECTION & MAINTENANCE

A trained person shall routinely inspect the entire construction site at least once every 7 days during active construction and within 24-hours after a rainfall event greater than 0.5 inches in 24 hours. Following an inspection that occurs within 24-hours after a rainfall event, the next inspection must be conducted within 7 days.

All inspections and maintenance conducted during construction must be recorded within 24 hours in writing and records must be retained with the SWPPP. Inspection report forms are available in the Project Specifications. Inspection report forms other than those provided shall be approved by the engineer.

Where parts of the project site have permanent cover, but work remains on other parts of the site, inspections may be reduced on these areas to once per month.

Where the site has permanent cover on all exposed areas and no construction activity is occurring anywhere on site, the site must be inspected during non-frozen conditions at least once per month for 12 months. Following the 12th month of permanent cover and no construction activity, inspections shall be terminated until construction activity resumes or notification from MPCA has been issued that erosion has been detected at the site.

During frozen ground conditions, inspections may be suspended and shall resume within 24 hours after runoff occurs or 24 hours prior to resuming construction activity, whichever is first.

Inspection and maintenance shall resume until another Permittee has obtained coverage under this Permit or the project has undergone Final Stabilization, and an NOT has been submitted.

All erosion prevention and sediment control BMPs shall be inspected to ensure integrity and effectiveness during all routine and post-rainfall inspections. All non-functioning BMPs must be repaired, replaced, or supplemented with functional BMPs by the end of the next business day after discovery, or as soon as field conditions allow access.

All perimeter control devices must be repaired, replaced, or supplemented when they become non-functional or the sediment reaches one-half (1/2) of the height of the device. These repairs must be made by the end of the next business day after discovery, or as soon as field conditions allow.

Temporary and permanent sediment basins must be drained and the sediment removed when the depth of sediment collected in the basin reaches one-half (1/2) the storage volume. Drainage and sediment removal must be completed within 72 hours of discovery, or as soon as field conditions allow.

Surface waters, including drainage ditches and conveyance systems, must be inspected for erosion and sediment deposition during each inspection. All deltas and sediment deposited in drainage ways, catch basins, and other drainage systems shall be removed. The removal and stabilization must take place within seven (7) days of discovery unless precluded by legal, regulatory, or physical access constraints. The Permittee is responsible for obtaining all applicable permits prior to conducting any work in surface waters.

Construction site vehicle exit locations must be inspected for evidence of off-site sediment tracking onto paved surfaces. Tracked sediment must be removed from all paved surfaces both on and off site within 24-hours of discovery, or if applicable, within a shorter time to comply with the permit.

Streets and other areas adjacent to the project must be inspected for evidence of off-site accumulations of sediment. If sediment is present, it must be removed in a manner and at a sufficient frequency to minimize off-site impacts.

All infiltration areas must be inspected to ensure that no sediment from ongoing construction activity is reaching the infiltration area and that equipment is not being driven across the infiltration area.

FINAL STABILIZATION

Final Stabilization is not complete until all of the following requirements have been met:

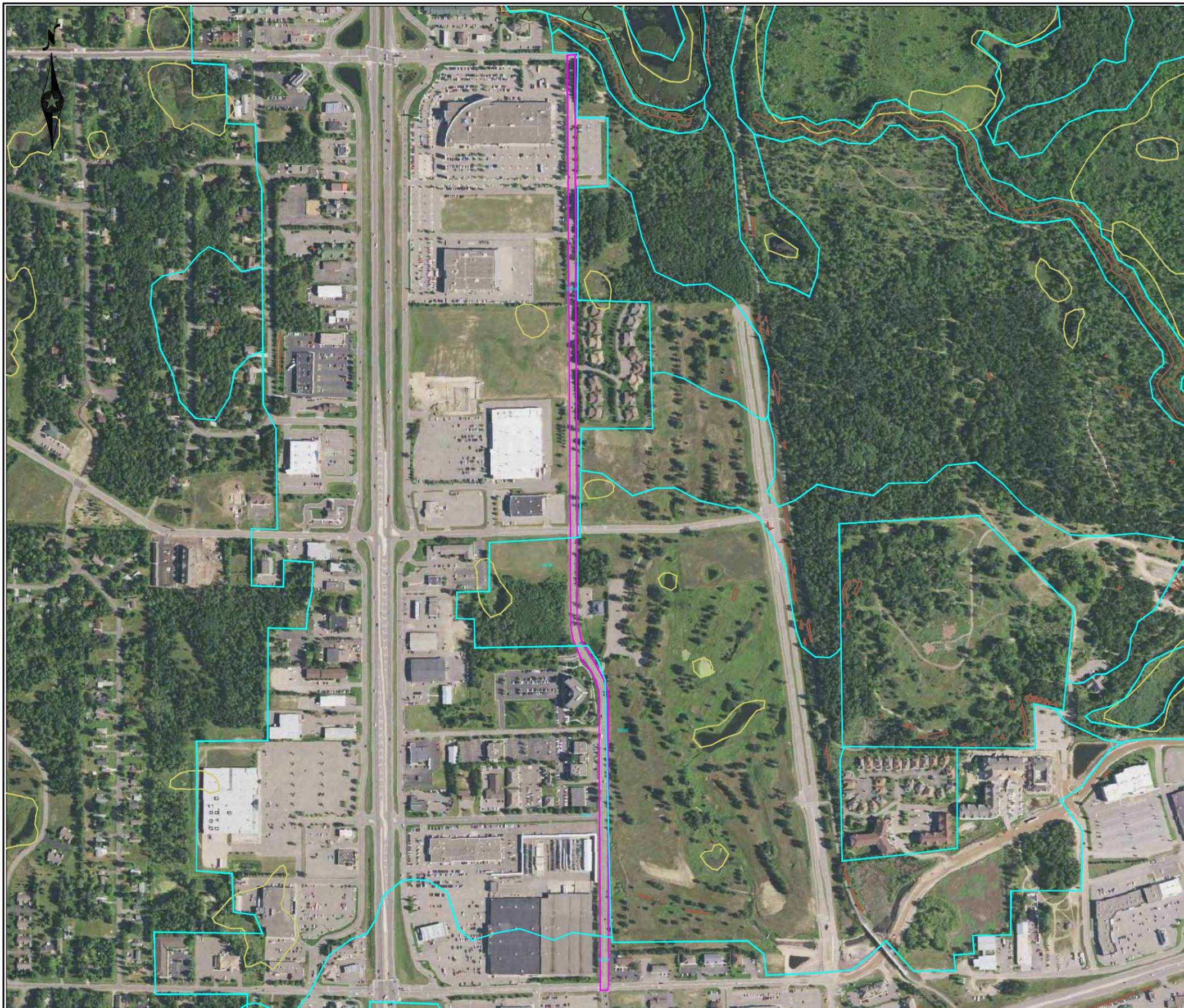
1. All soil disturbing activities at the site have been completed and all soils are stabilized by a uniform perennial vegetative cover with a density of 70% of its expected final growth density over the entire pervious surface area, or other equivalent means necessary to prevent soil failure under erosive conditions.
2. Permanent stormwater management system is constructed, meets all requirements of the Permit, and is operating as designed. Temporary or permanent sedimentation basins that are to be used as permanent water quality management basins have been cleaned of any accumulated sediment. All sediment has been removed from conveyance systems, and ditches are stabilized with permanent cover.
3. All temporary synthetic and structural erosion prevention and sediment control BMPs have been removed. BMPs designed to decompose on site may be left in place.
4. For residential construction only, individual lots are considered finally stabilized if the structure(s) are finished, temporary erosion protection and down gradient perimeter control has been completed and the residence has been sold to the homeowner. Also, the "Homeowner Fact Sheet" has been provided to the homeowner

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DATE	41934 XX/XX/XXXX

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REV.	BY	DATE

CITY OF BAXTER, MINNESOTA	
2016 GOLF COURSE DRIVE	
STORMWATER POLLUTION PREVENTION PLAN	
NARRATIVE	



LEGEND

- PROJECT BOUNDARY
- SOIL TYPE
- STEEP SLOPES (>33.3%)
- NATIONAL WETLANDS INVENTORY

SOIL TYPE SUMMARY

Map Unit Symbol	Soil Name	Hyd. Soil Group	Erodibility
MUSYM	MUNAME	HYDGRP	MUHELCL
D53B	Lougee-Barber-Guida complex, 0 to 6 percent slopes	A/D	HEL
D69B	Zimmerman-Urban land complex, 0 to 6 percent slopes	A	HEL
D70A	Barber-Urban land complex, 0 to 3 percent slopes	A/D	HEL

NHEL - Not Highly Erodible Land
 PHEL - Potentially Highly Erodible Land
 HEL - Highly Erodible Land



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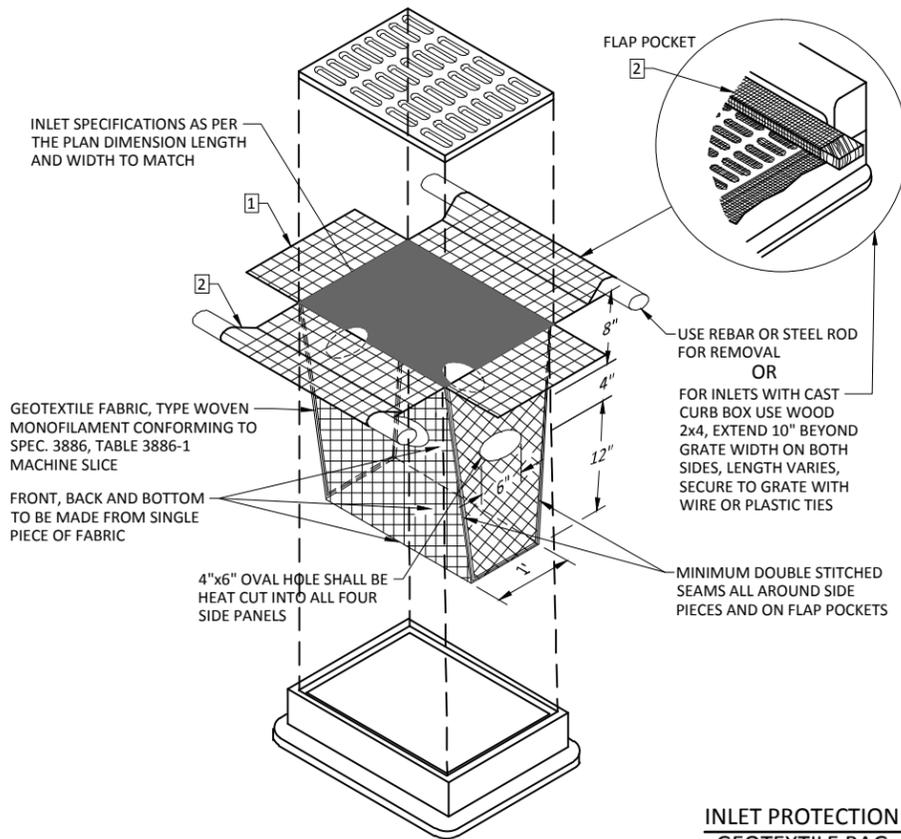
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CITY OF BAXTER, MINNESOTA
 2016 GOLF COURSE DRIVE
 STORMWATER POLLUTION PREVENTION PLAN
 SITE AND SOILS MAP

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**INLET PROTECTION
GEOTEXTILE BAG**
NOT TO SCALE

NOTES:
 1 INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER. MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENTS EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED. WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL IN THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

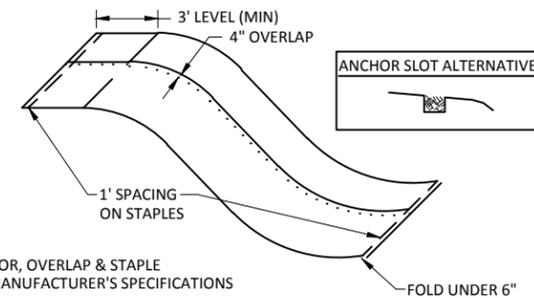
2 FINISHED SIZE, INCLUDING POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2x4.

INSTALLATION NOTES:
 DO NOT INSTALL PROTECTION IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

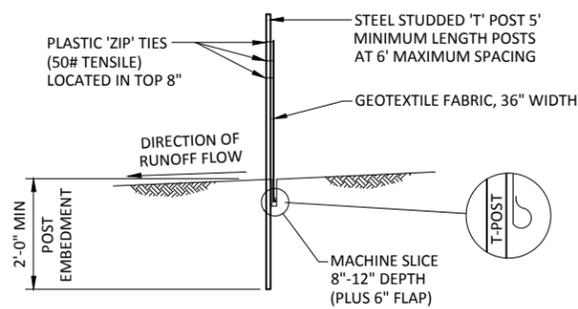
TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CLINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

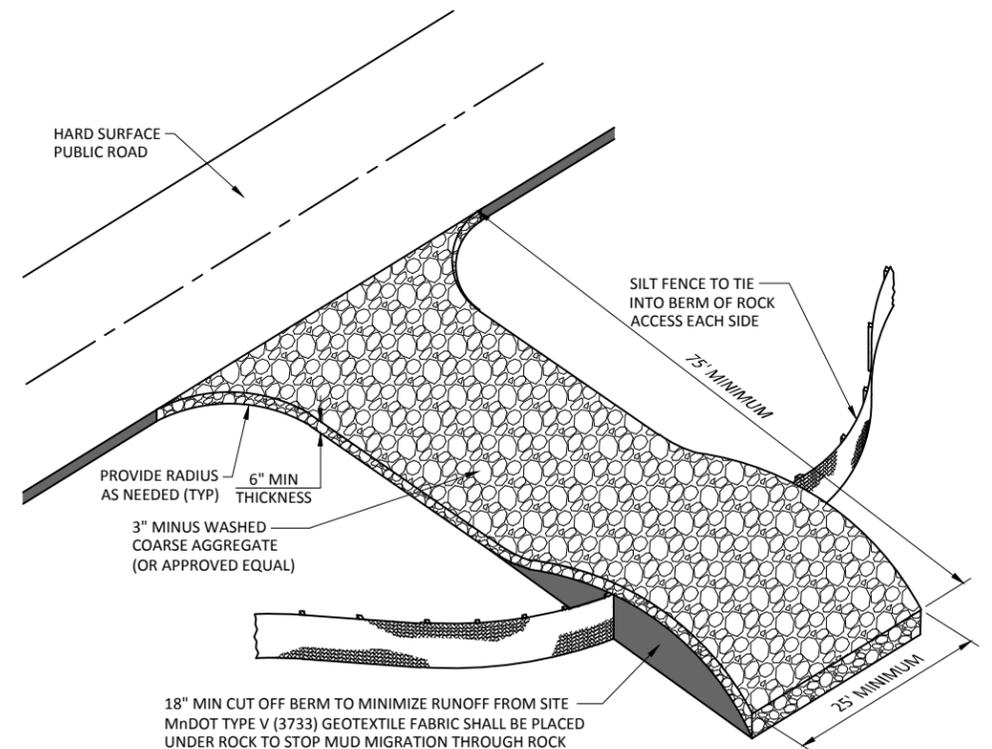


NOTE:
 ANCHOR, OVERLAP & STAPLE
 PER MANUFACTURER'S SPECIFICATIONS

EROSION CONTROL BLANKET INSTALLATION
NOT TO SCALE



SILT FENCE - MACHINE SLICED
NOT TO SCALE



ROCK CONSTRUCTION ENTRANCE
NOT TO SCALE

NOTE: DETAILS ARE NOT TO SCALE

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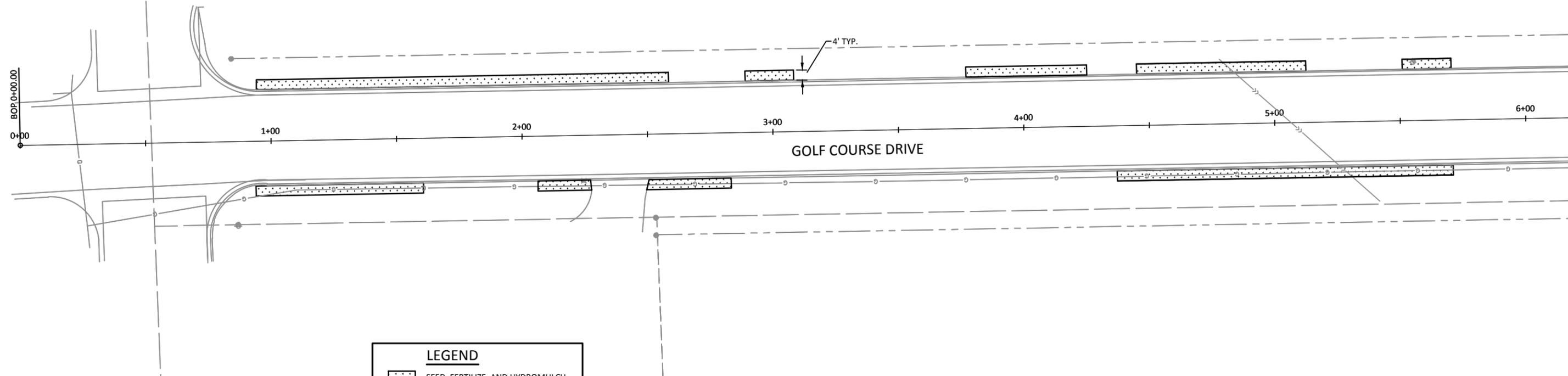


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 2016 GOLF COURSE DRIVE

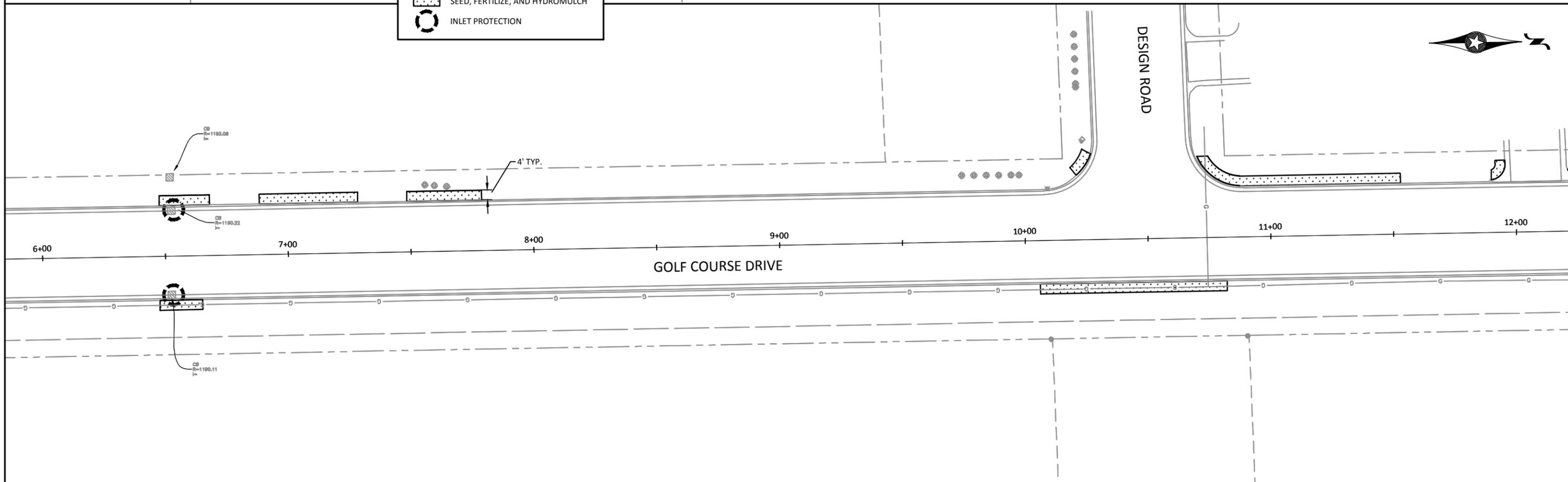
SWPPP - DETAILS



LEGEND

 SEED, FERTILIZE, AND HYDROMULCH

 INLET PROTECTION



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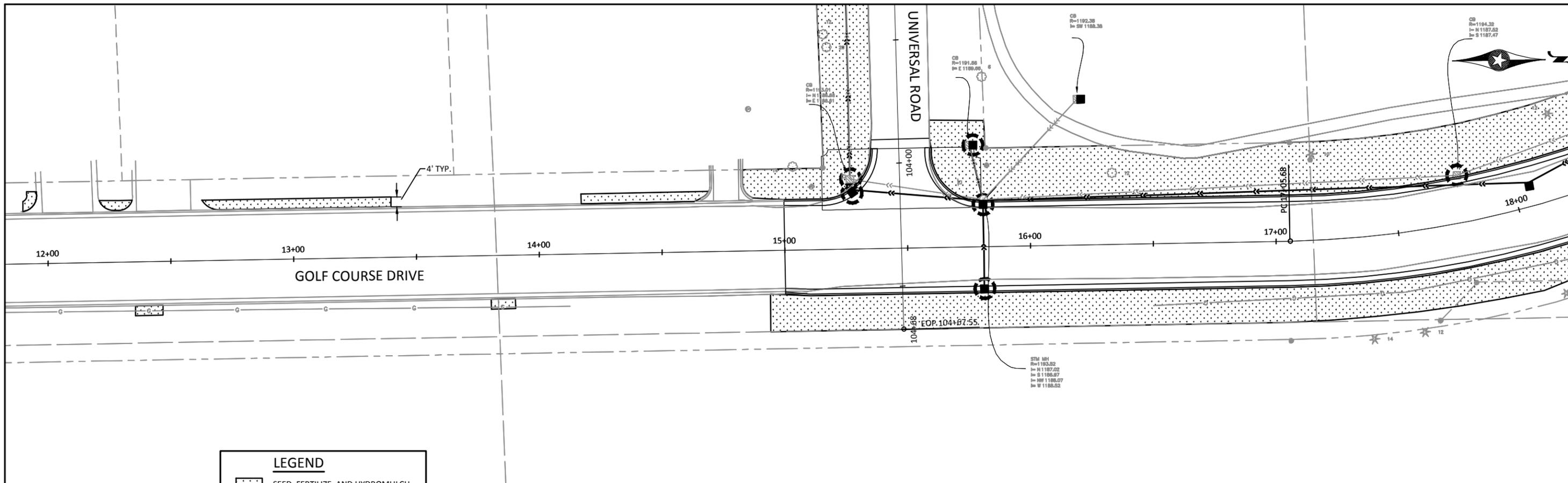
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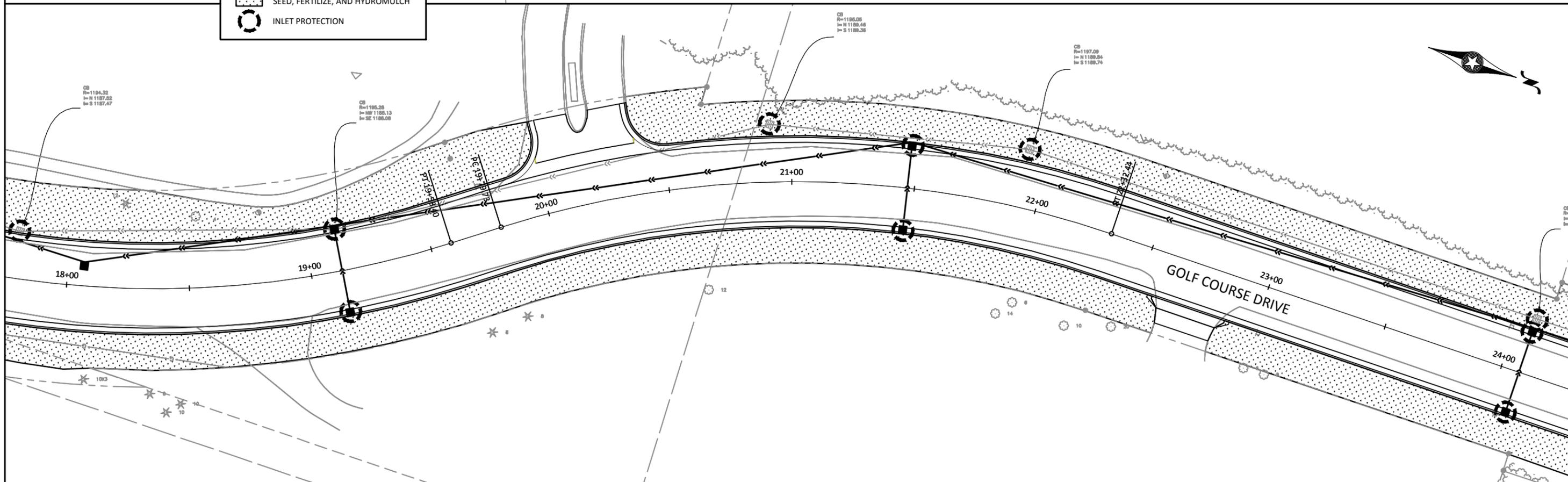
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2016 GOLF COURSE DRIVE
SWPPP - GOLF COURSE DRIVE

SHEET
4.5



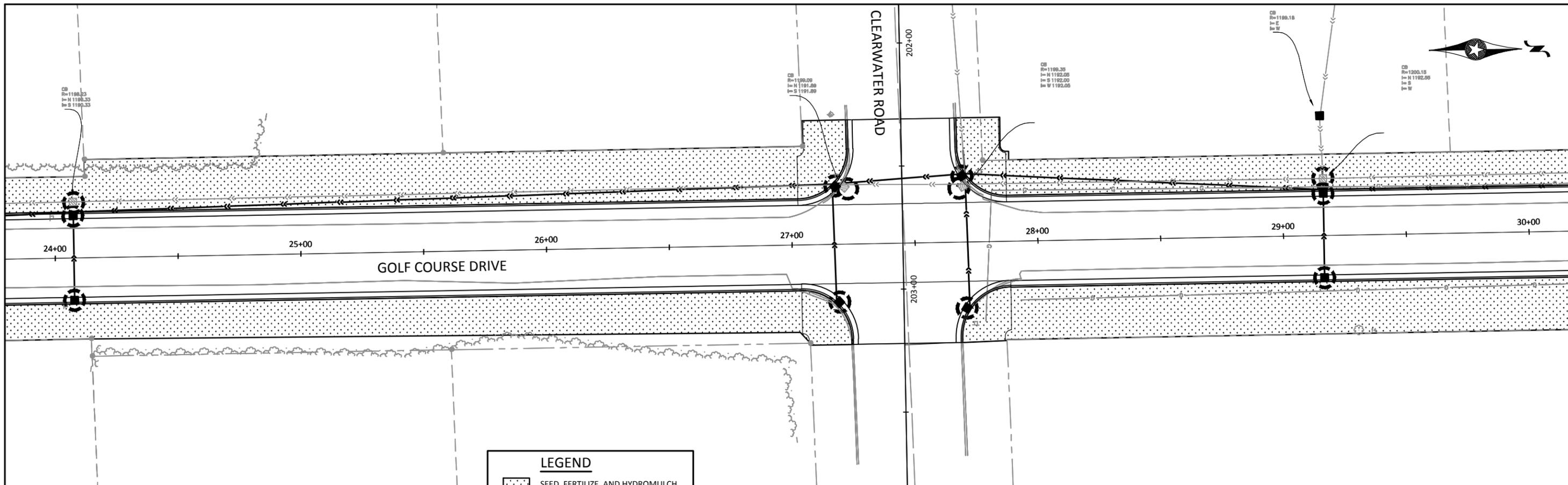
LEGEND

-  SEED, FERTILIZE, AND HYDROMULCH
-  INLET PROTECTION



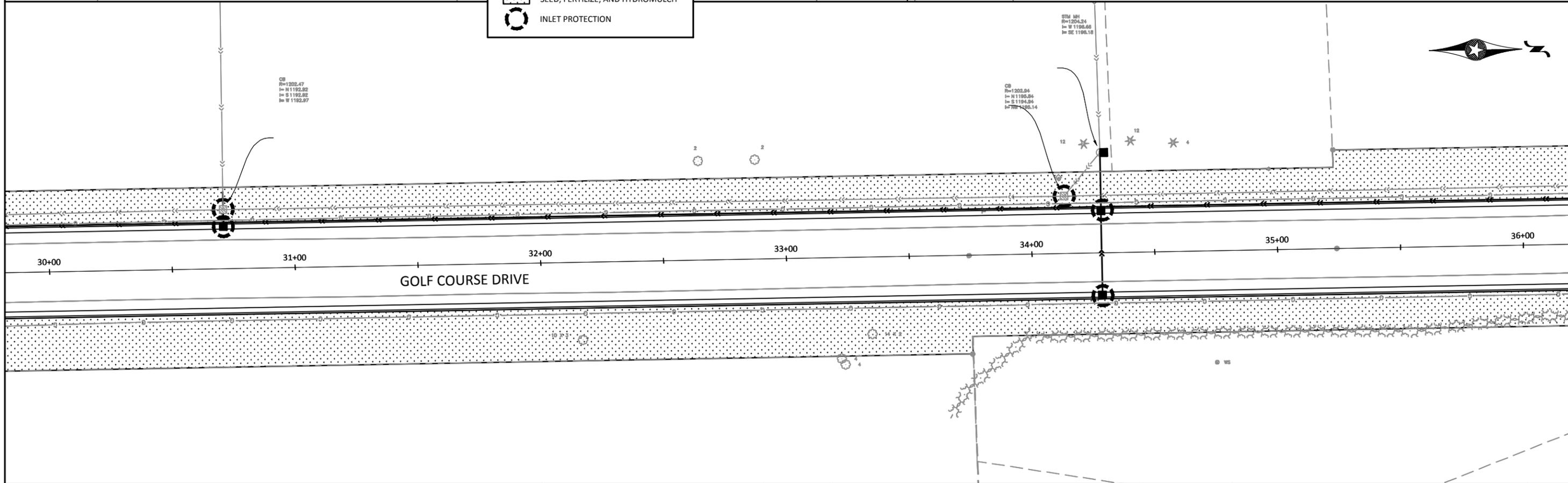
<p>0 20 40 HORZ. SCALE FEET</p>	<p>I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.</p> <p>BRYAN G. DROWN LIC. NO. 41934 DATE XX/XX/XXXX</p>	<p>DESIGNED JFF DRAWN JFF CHECKED BGD</p>	<p>BOLTON & MENK, INC. Consulting Engineers & Surveyors MANKATO, MN FAIRMONT, MN SLEEPY EYE, MN BURNSVILLE, MN WILLMAR, MN CHASKA, MN RAMSEY, MN MAPLEWOOD, MN BAXTER, MN ROCHESTER, MN AMES, IA SPENCER, IA DES MOINES, IA FARGO, ND</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV.</th> <th>BY</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	REV.	BY	DATE										<p>CITY OF BAXTER, MINNESOTA 2016 GOLF COURSE DRIVE SWPPP - GOLF COURSE DRIVE</p>	<p>SHEET 4.6</p>
REV.	BY	DATE																

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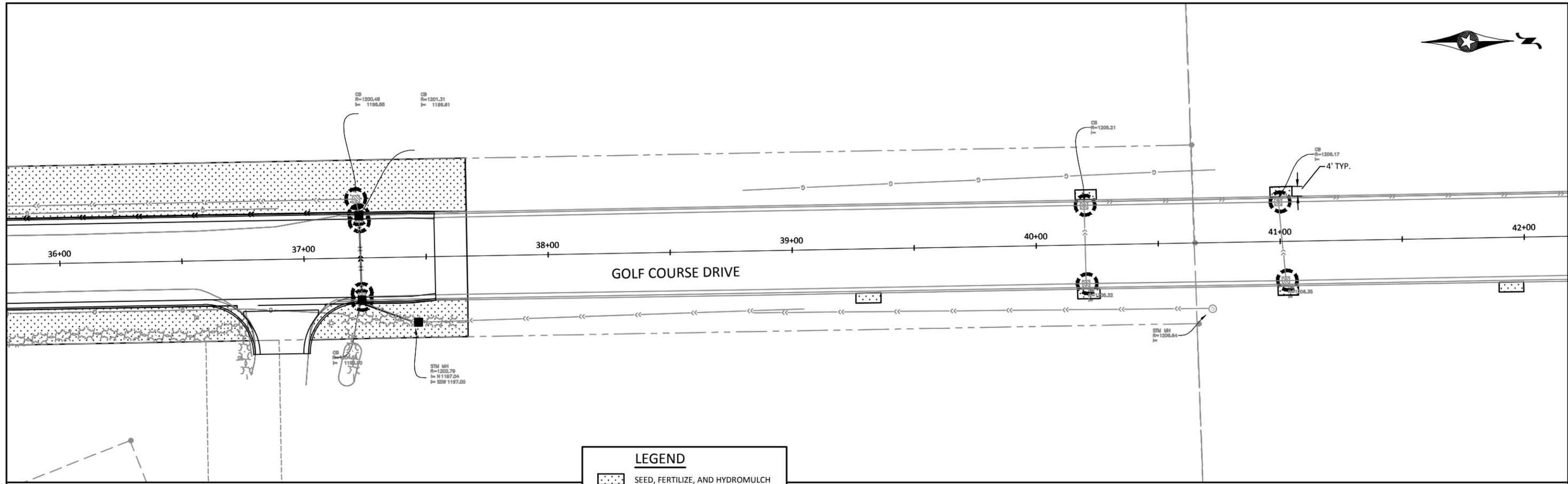
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-  INLET PROTECTION



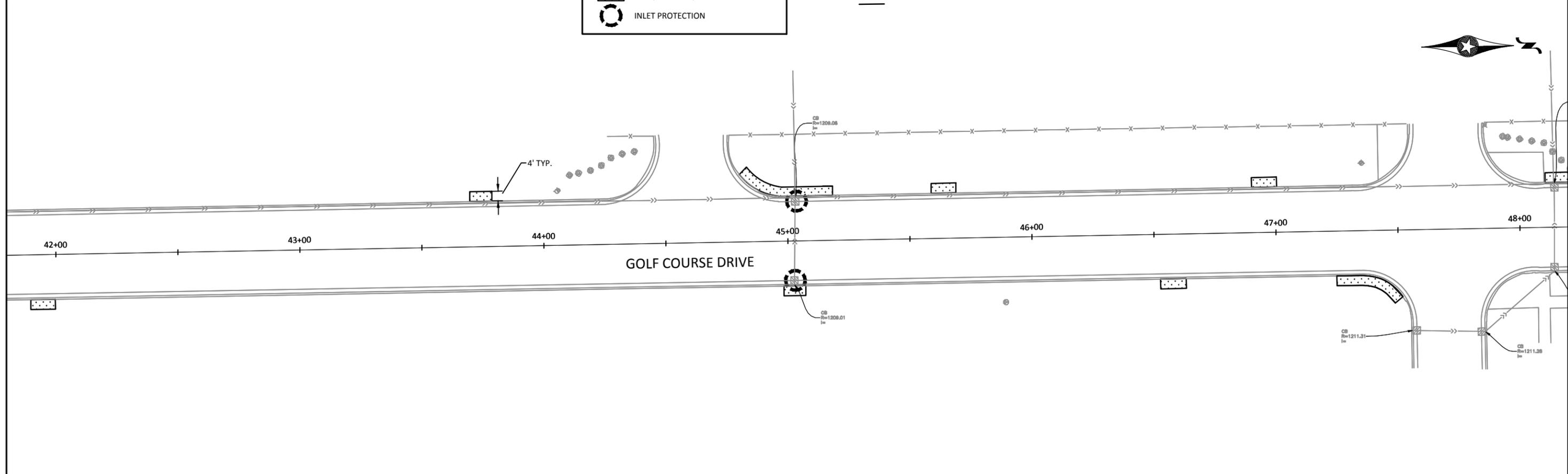
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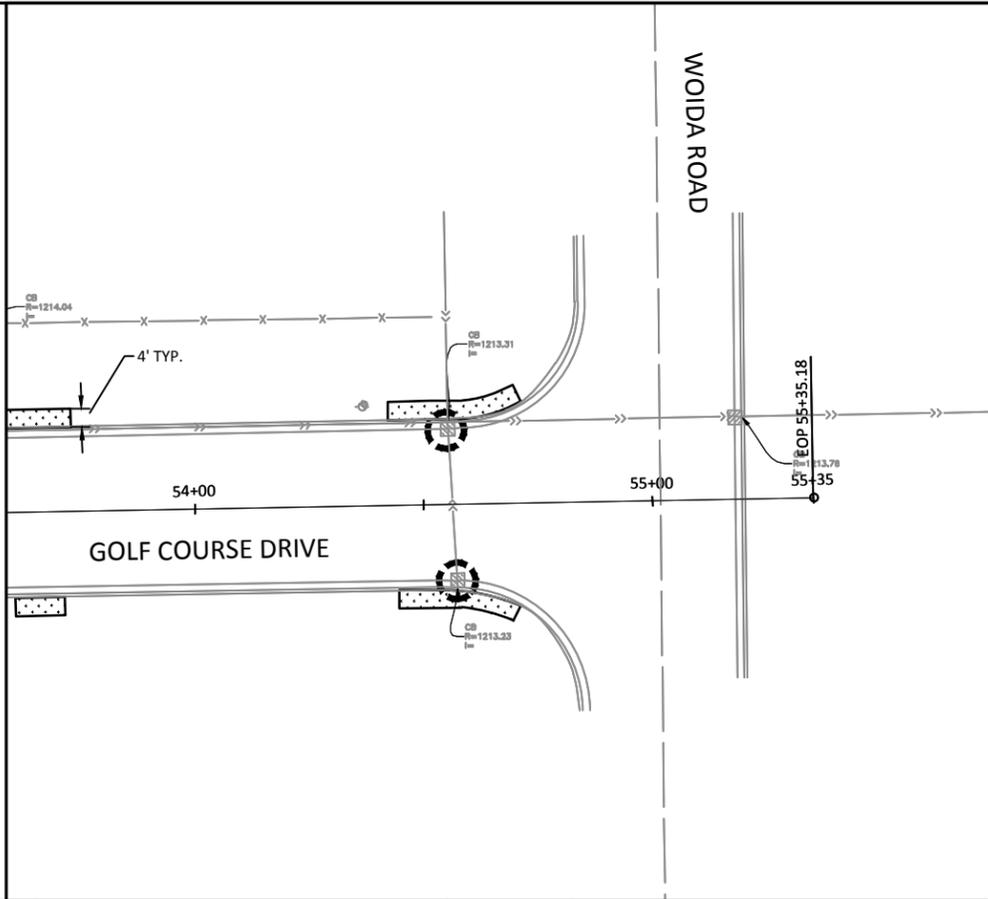
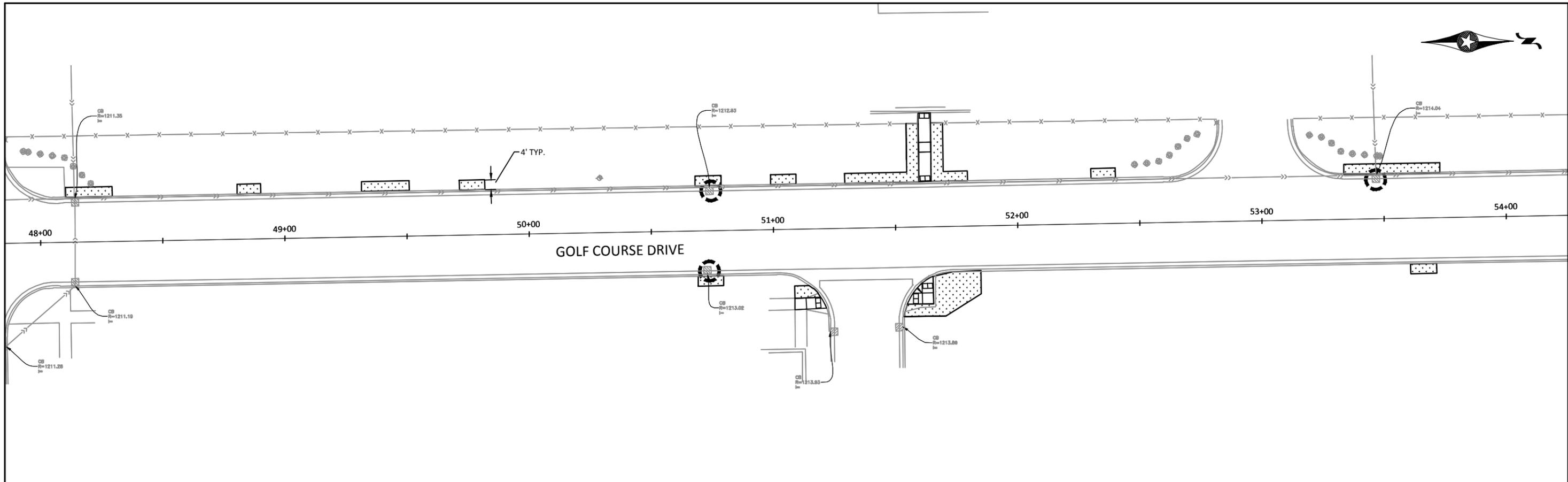
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CITY OF BAXTER, MINNESOTA
2016 GOLF COURSE DRIVE
SWPPP - GOLF COURSE DRIVE

SHEET
4.8



LEGEND

	SEED, FERTILIZE, AND HYDROMULCH
	INLET PROTECTION

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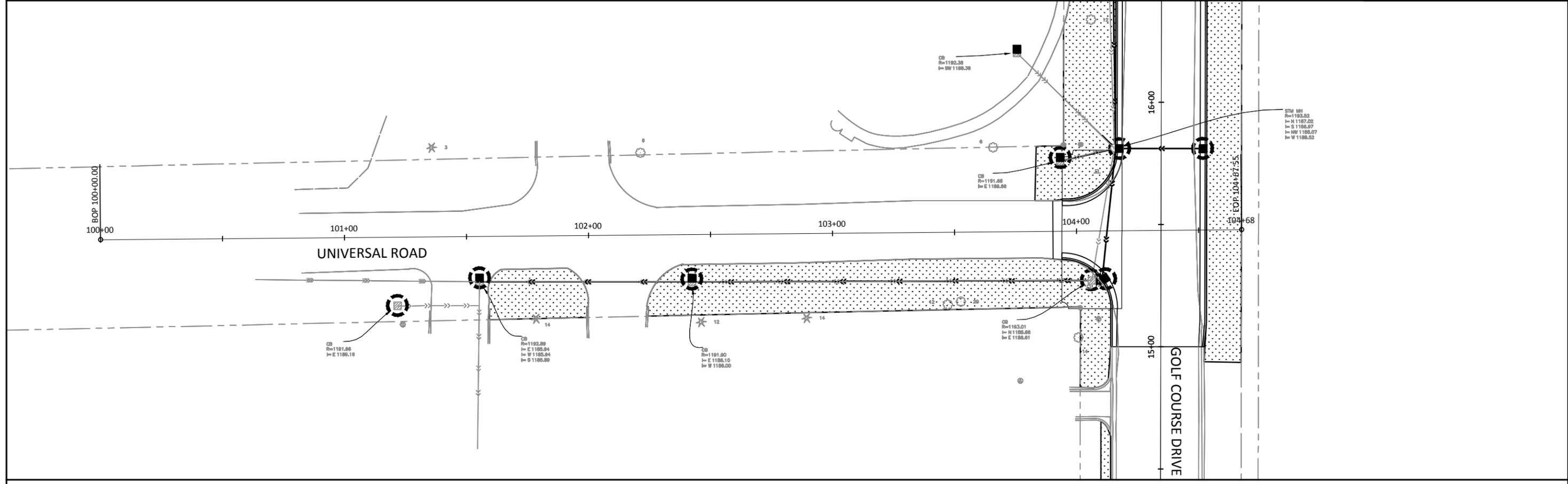
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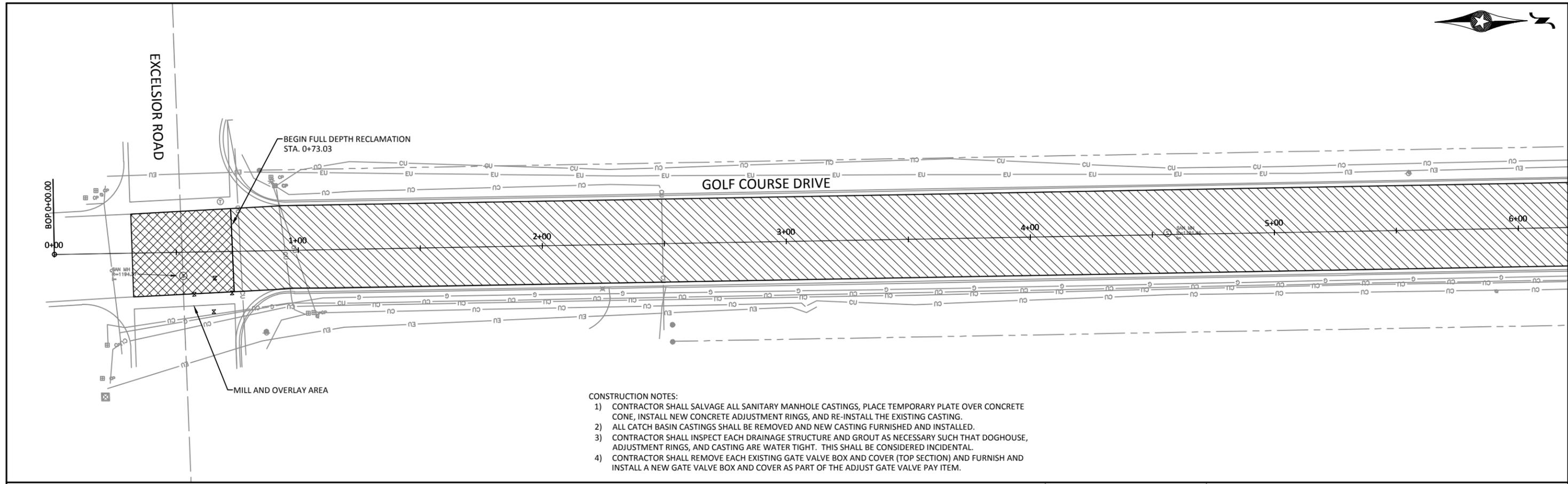
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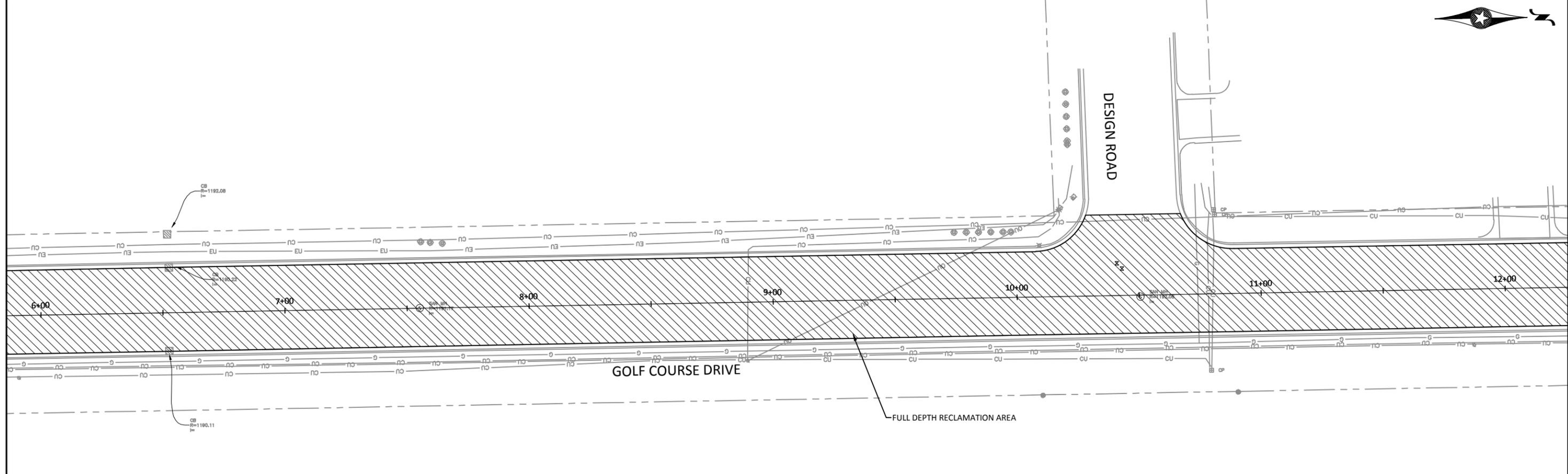
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CITY OF BAXTER, MINNESOTA
 2016 GOLF COURSE DRIVE
 SWPPP - UNIVERSAL ROAD

SHEET
 4.10



- CONSTRUCTION NOTES:**
- 1) CONTRACTOR SHALL SALVAGE ALL SANITARY MANHOLE CASTINGS, PLACE TEMPORARY PLATE OVER CONCRETE CONE, INSTALL NEW CONCRETE ADJUSTMENT RINGS, AND RE-INSTALL THE EXISTING CASTING.
 - 2) ALL CATCH BASIN CASTINGS SHALL BE REMOVED AND NEW CASTING FURNISHED AND INSTALLED.
 - 3) CONTRACTOR SHALL INSPECT EACH DRAINAGE STRUCTURE AND GROUT AS NECESSARY SUCH THAT DOGHOUSE, ADJUSTMENT RINGS, AND CASTING ARE WATER TIGHT. THIS SHALL BE CONSIDERED INCIDENTAL.
 - 4) CONTRACTOR SHALL REMOVE EACH EXISTING GATE VALVE BOX AND COVER (TOP SECTION) AND FURNISH AND INSTALL A NEW GATE VALVE BOX AND COVER AS PART OF THE ADJUST GATE VALVE PAY ITEM.



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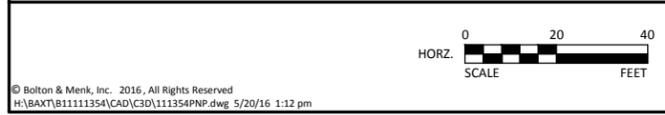
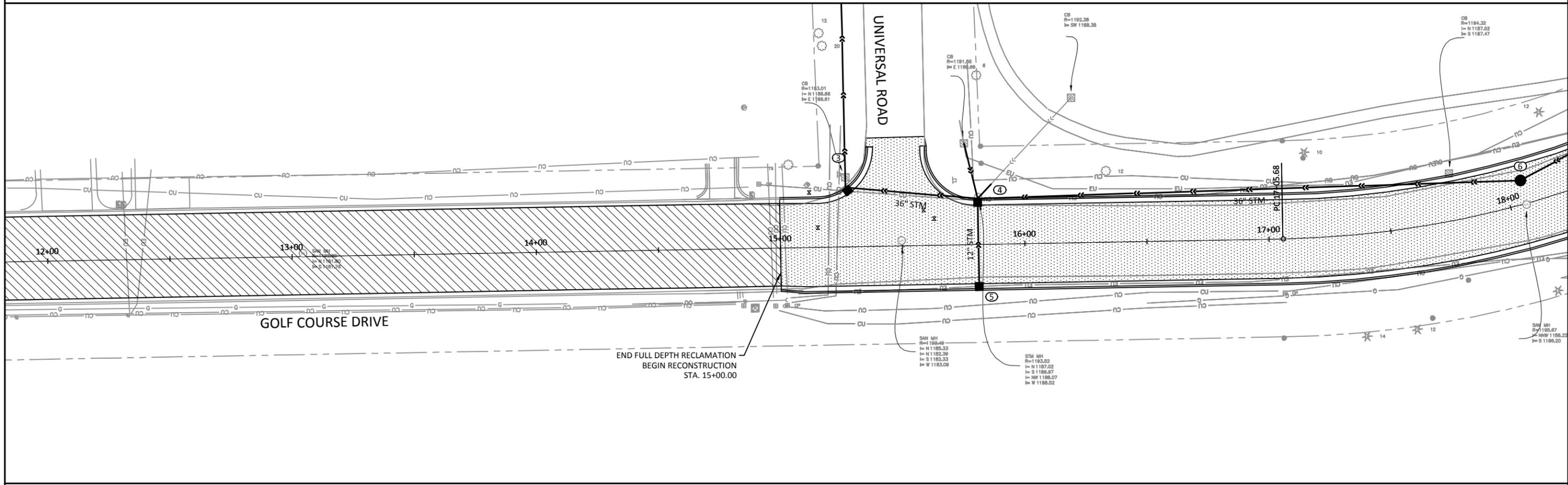
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2016 GOLF COURSE DRIVE
STREET AND STORM SEWER

SHEET
5.1



CONSTRUCTION NOTES:

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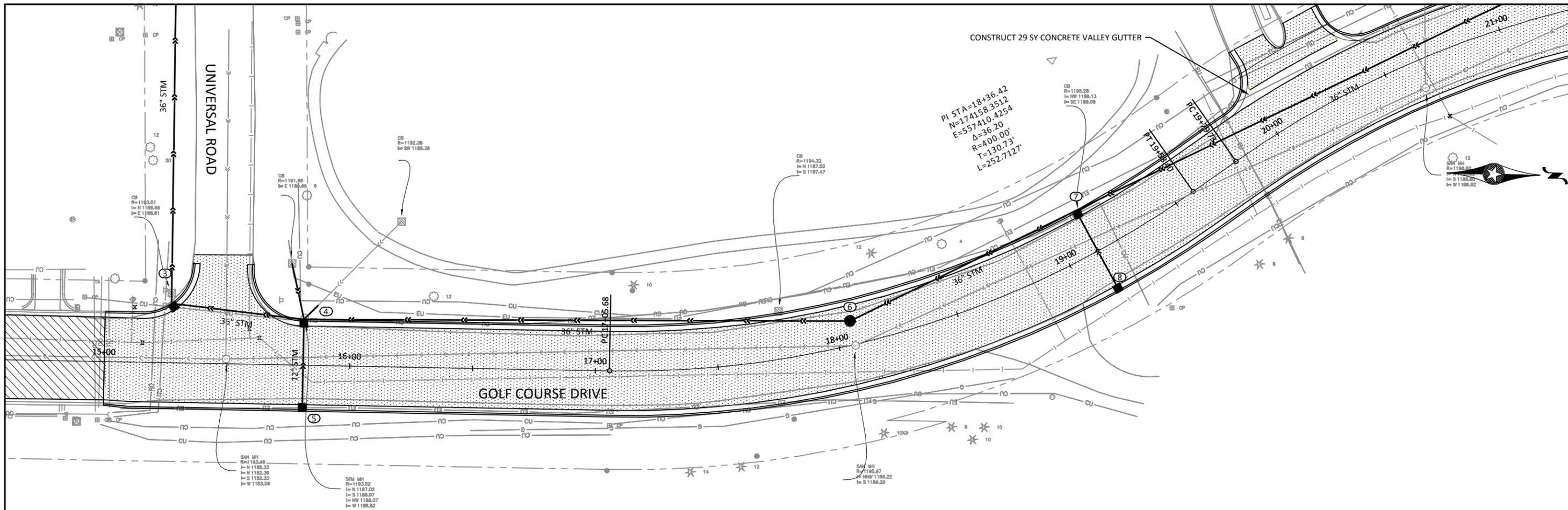


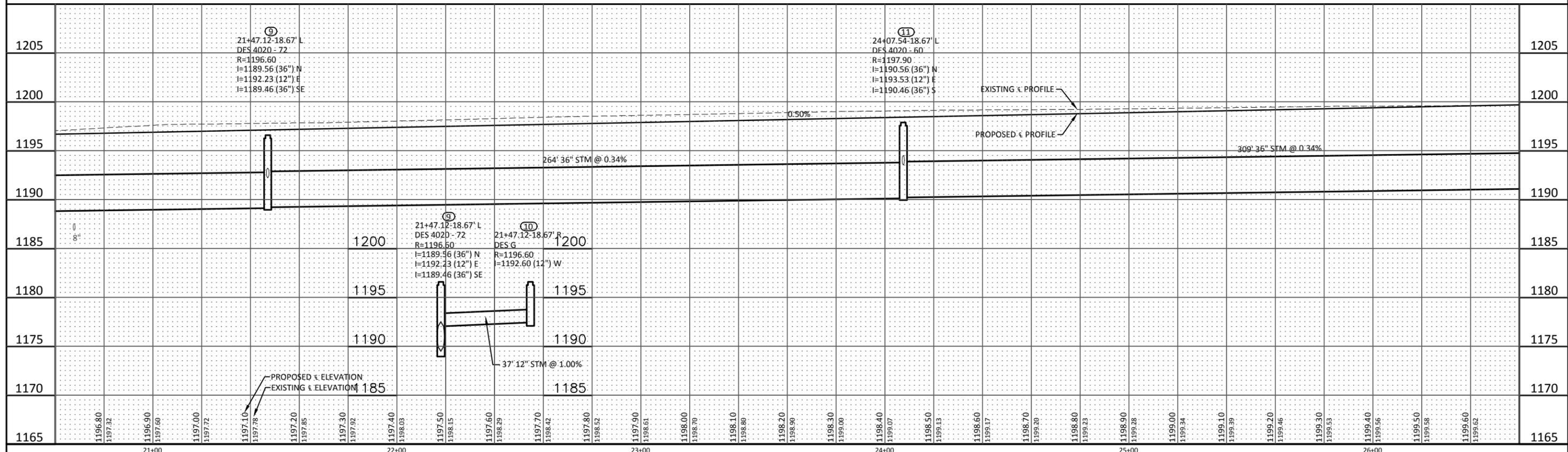
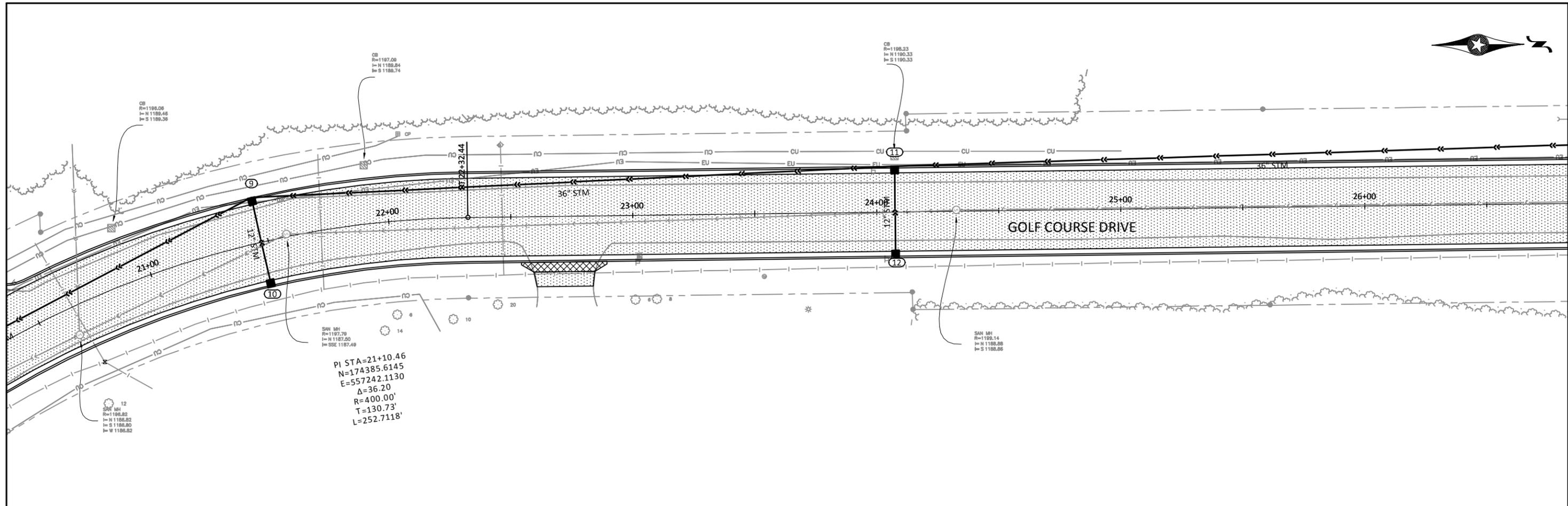
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CITY OF BAXTER, MINNESOTA
 2016 GOLF COURSE DRIVE
 STREET AND STORM SEWER

SHEET
 5.2

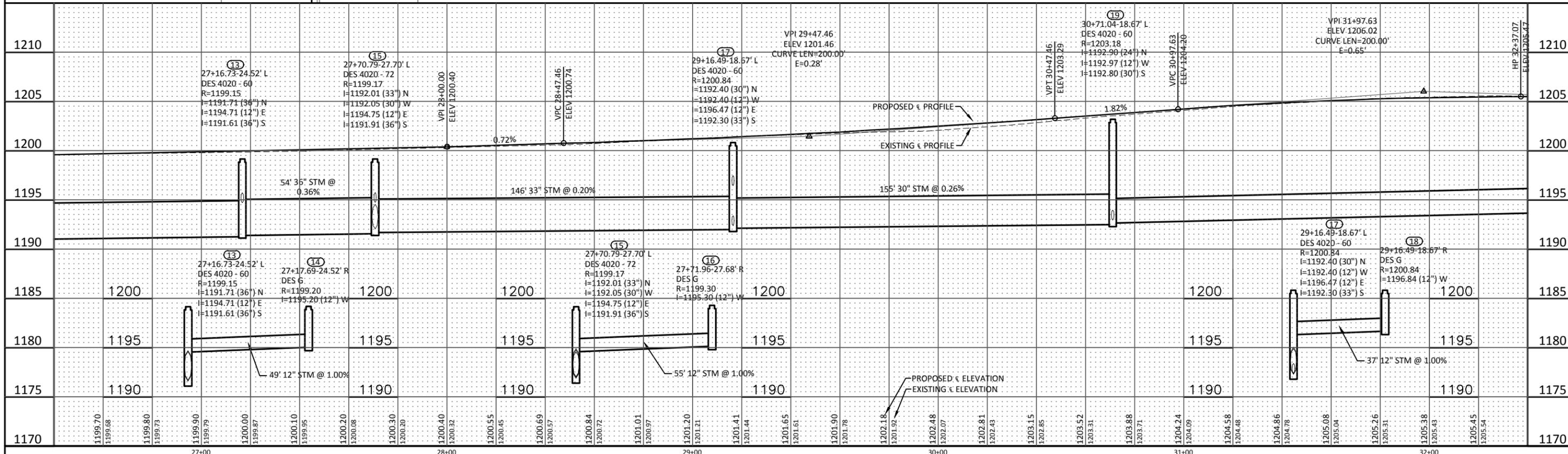
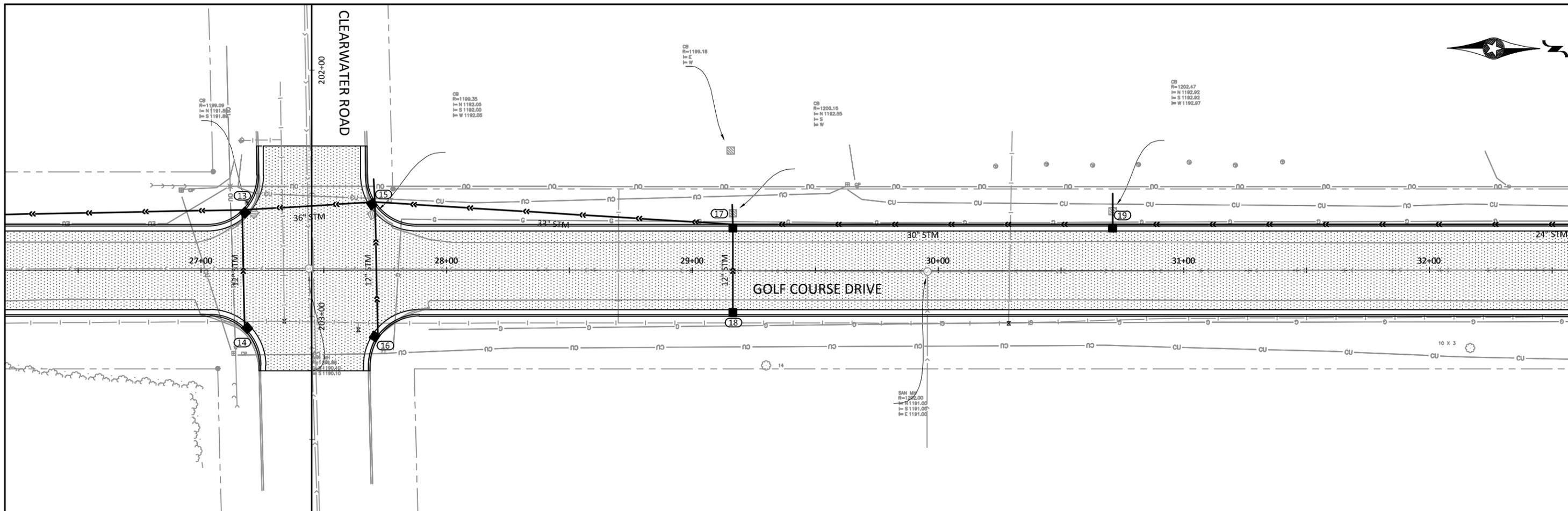




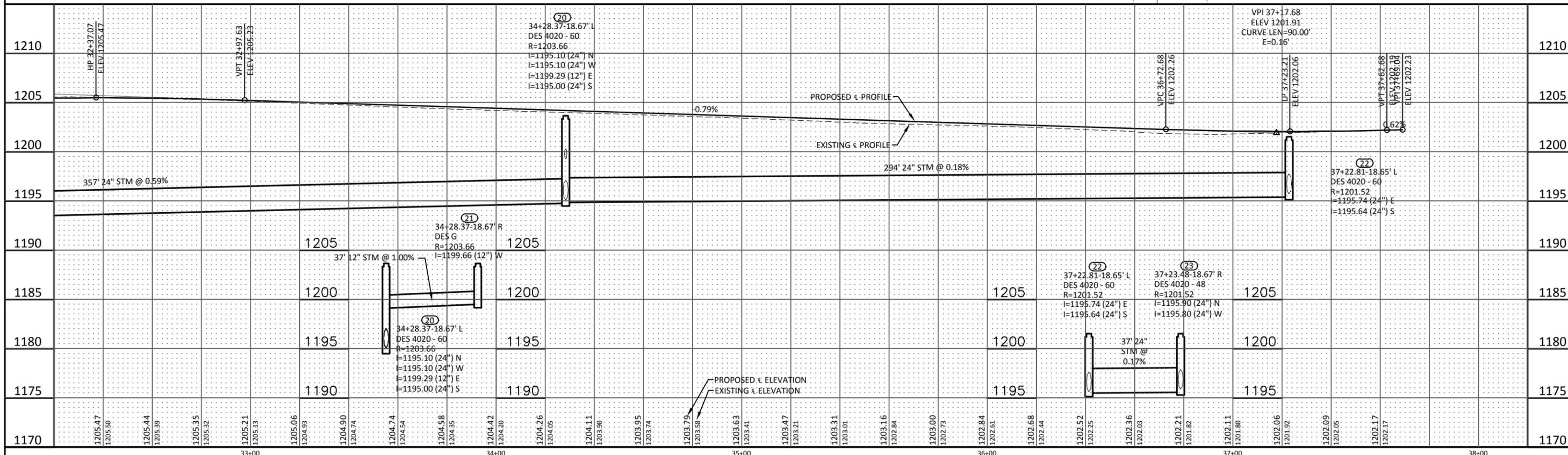
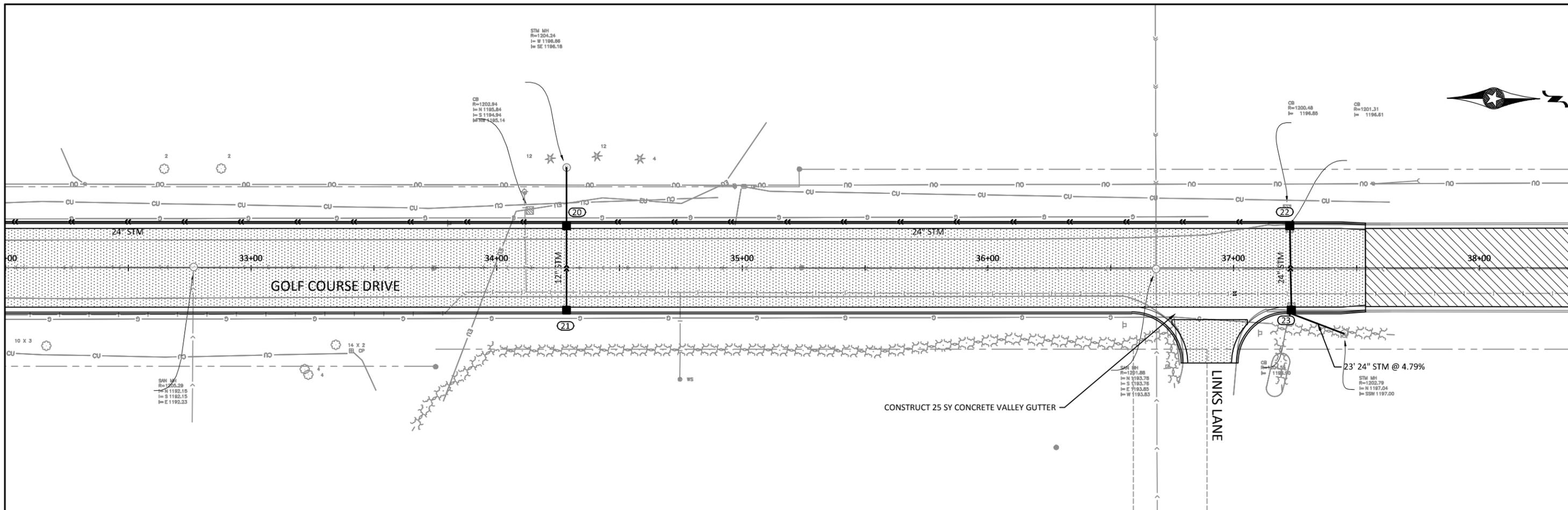
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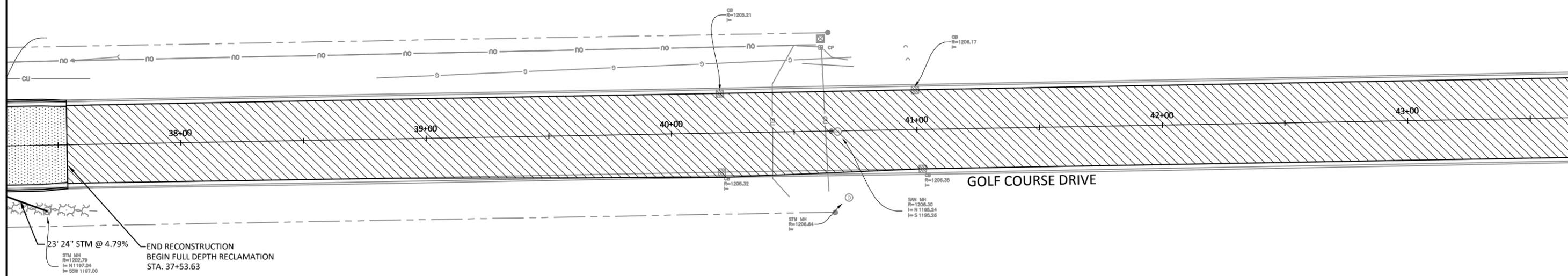
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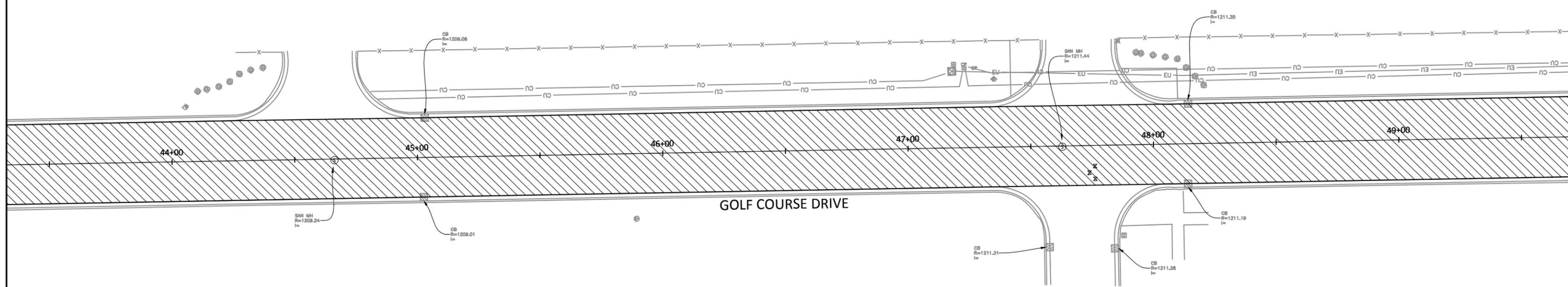
HORZ. SCALE: 0 20 40 FEET VERT. SCALE: 0 5 10 FEET		I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.		DESIGNED: JJF DRAWN: JJF CHECKED: BGD BGD		BOLTON & MENK, INC. Consulting Engineers & Surveyors MANKATO, MN FAIRMONT, MN SLEEPY EYE, MN BURNSVILLE, MN WILLMAR, MN CHASKA, MN RAMSEY, MN MAPLEWOOD, MN BAXTER, MN ROCHESTER, MN AMES, IA SPENCER, IA DES MOINES, IA FARGO, ND		REV. BY DATE _____ _____ _____		CITY OF BAXTER, MINNESOTA 2016 GOLF COURSE DRIVE STREET AND STORM SEWER		SHEET 5.6	
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- CONSTRUCTION NOTES:
- 1) CONTRACTOR SHALL SALVAGE ALL SANITARY MANHOLE CASTINGS, PLACE TEMPORARY PLATE OVER CONCRETE CONE, INSTALL NEW CONCRETE ADJUSTMENT RINGS, AND RE-INSTALL THE EXISTING CASTING.
 - 2) ALL CATCH BASIN CASTINGS SHALL BE REMOVED AND NEW CASTING FURNISHED AND INSTALLED.
 - 3) CONTRACTOR SHALL INSPECT EACH DRAINAGE STRUCTURE AND GROUT AS NECESSARY SUCH THAT DOGHOUSE, ADJUSTMENT RINGS, AND CASTING ARE WATER TIGHT. THIS SHALL BE CONSIDERED INCIDENTAL.
 - 4) CONTRACTOR SHALL REMOVE EACH EXISTING GATE VALVE BOX AND COVER (TOP SECTION) AND FURNISH AND INSTALL A NEW GATE VALVE BOX AND COVER AS PART OF THE ADJUST GATE VALVE PAY ITEM.



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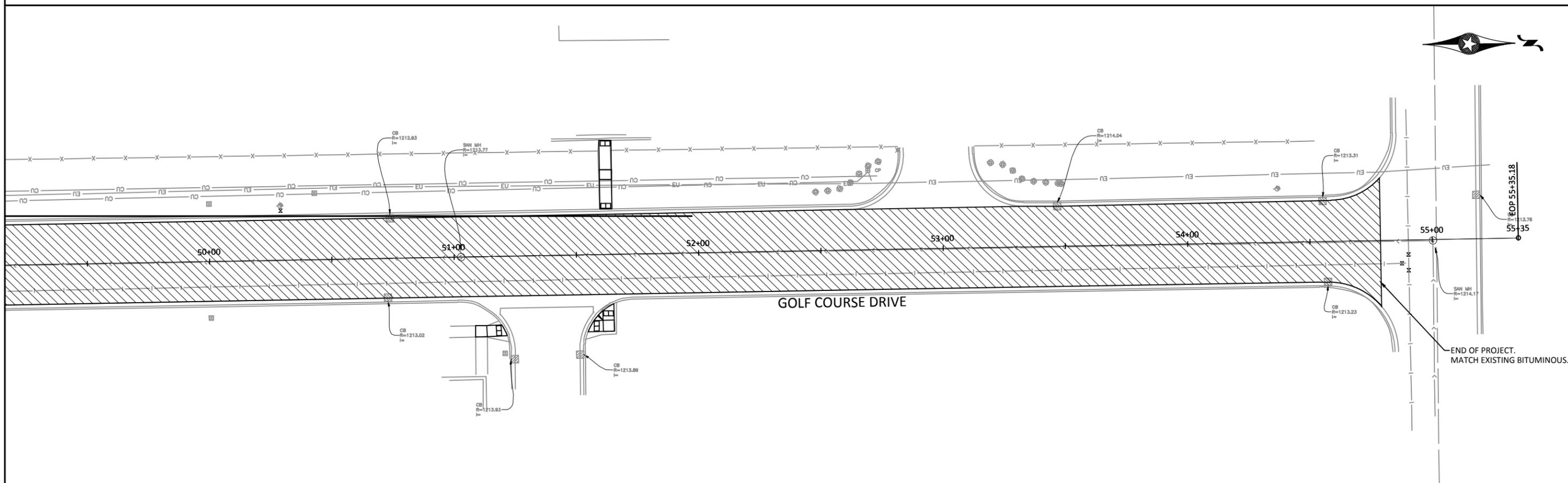
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CITY OF BAXTER, MINNESOTA
2016 GOLF COURSE DRIVE
STREET AND STORM SEWER

SHEET
5.7

CONSTRUCTION NOTES:

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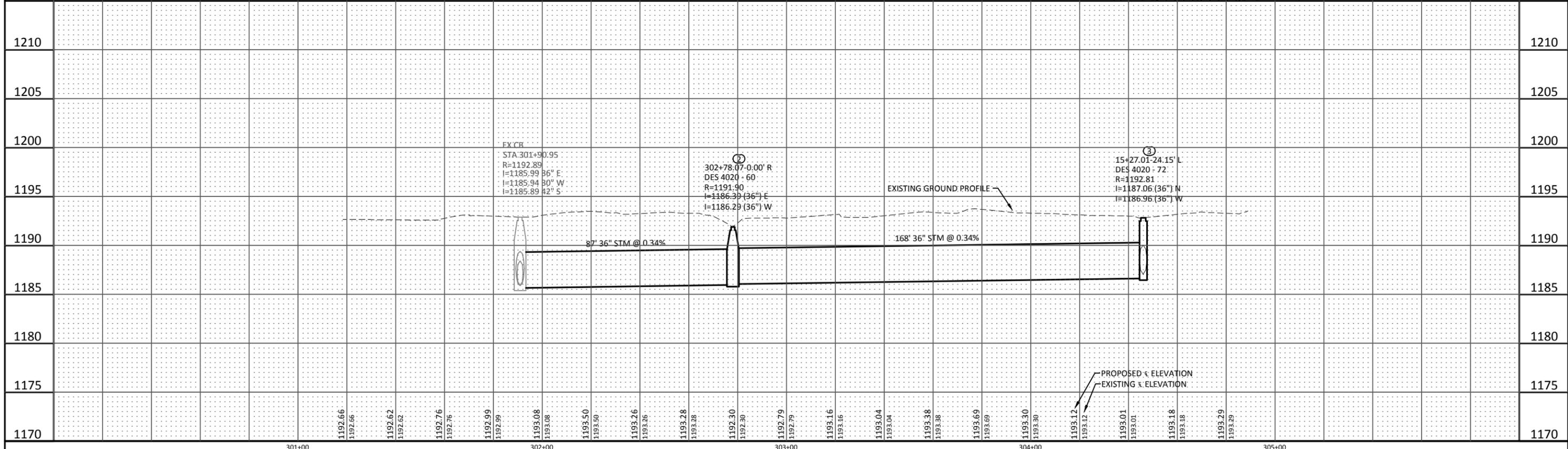
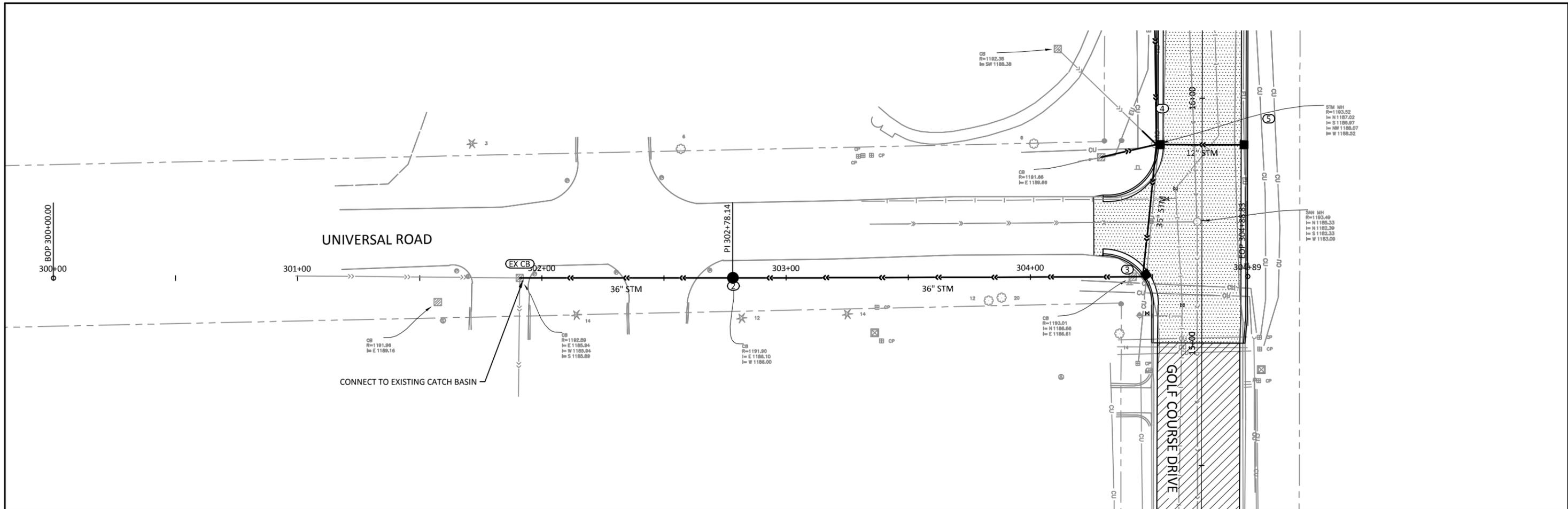


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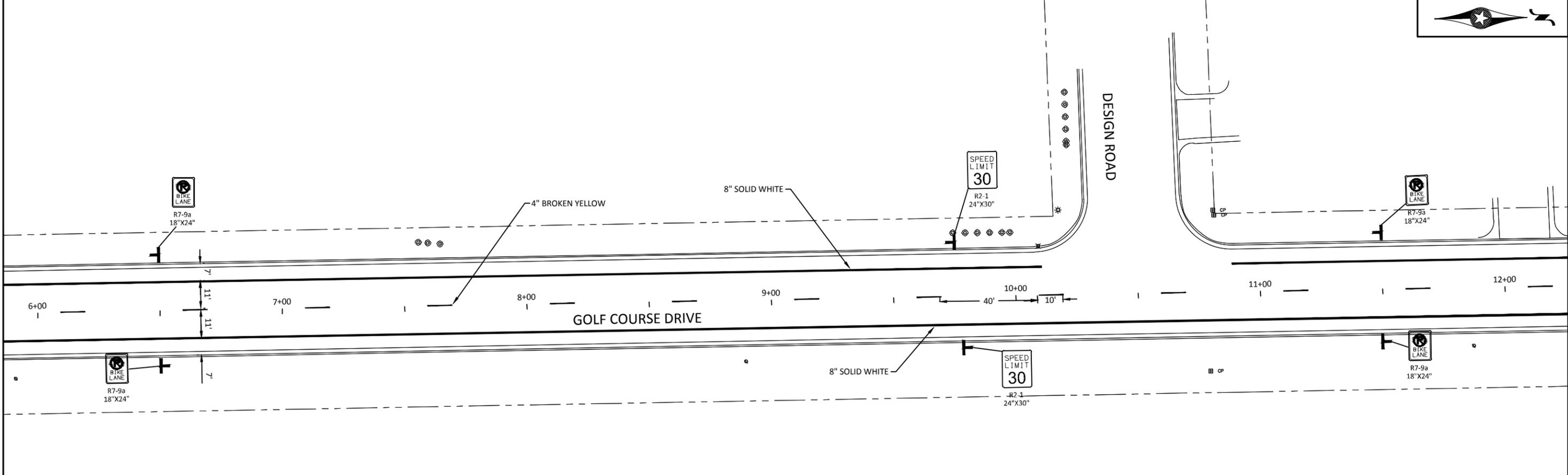
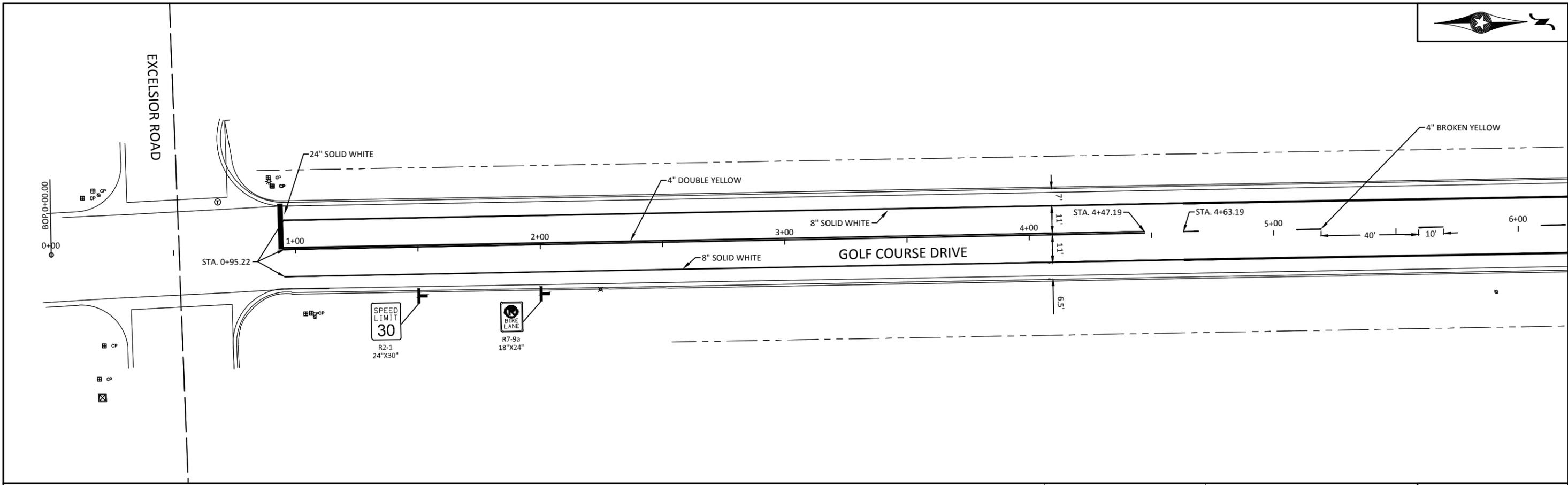
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CITY OF BAXTER, MINNESOTA
2016 GOLF COURSE DRIVE
STREET AND STORM SEWER

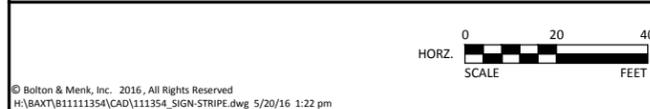
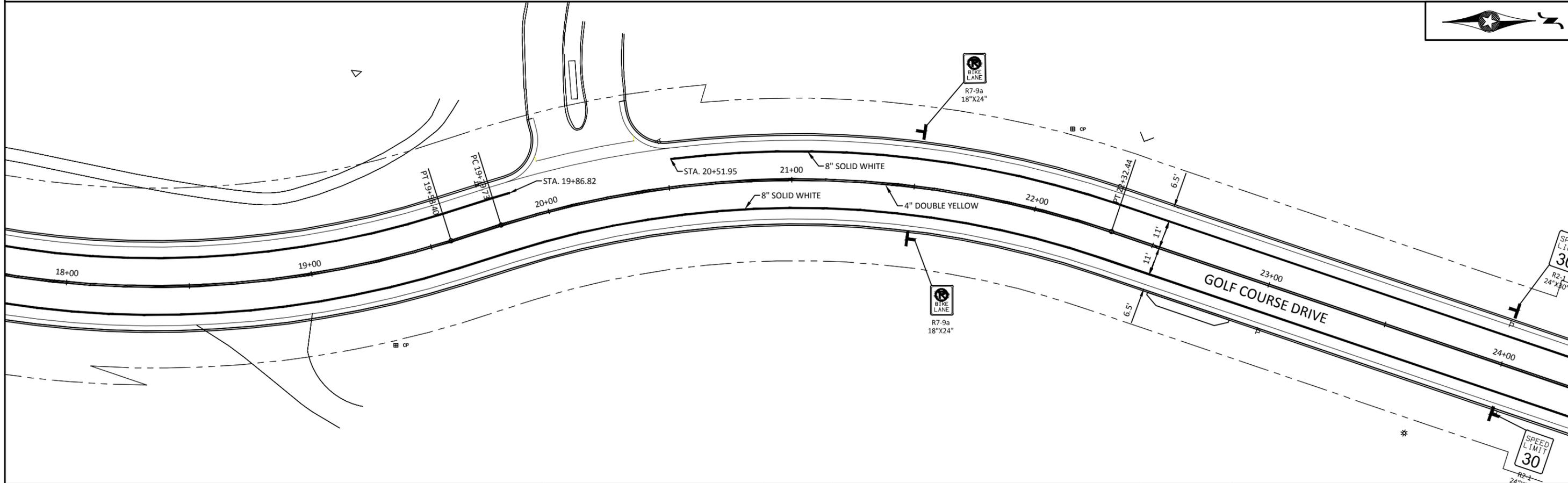
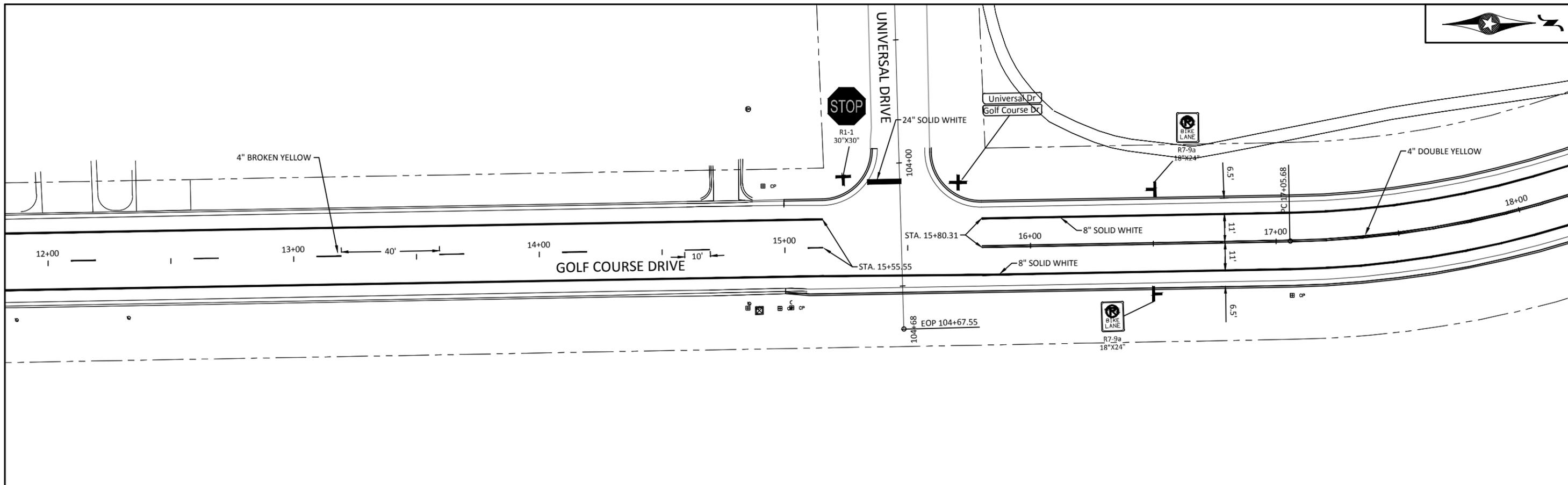
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			<p>SHEET 5.9</p>



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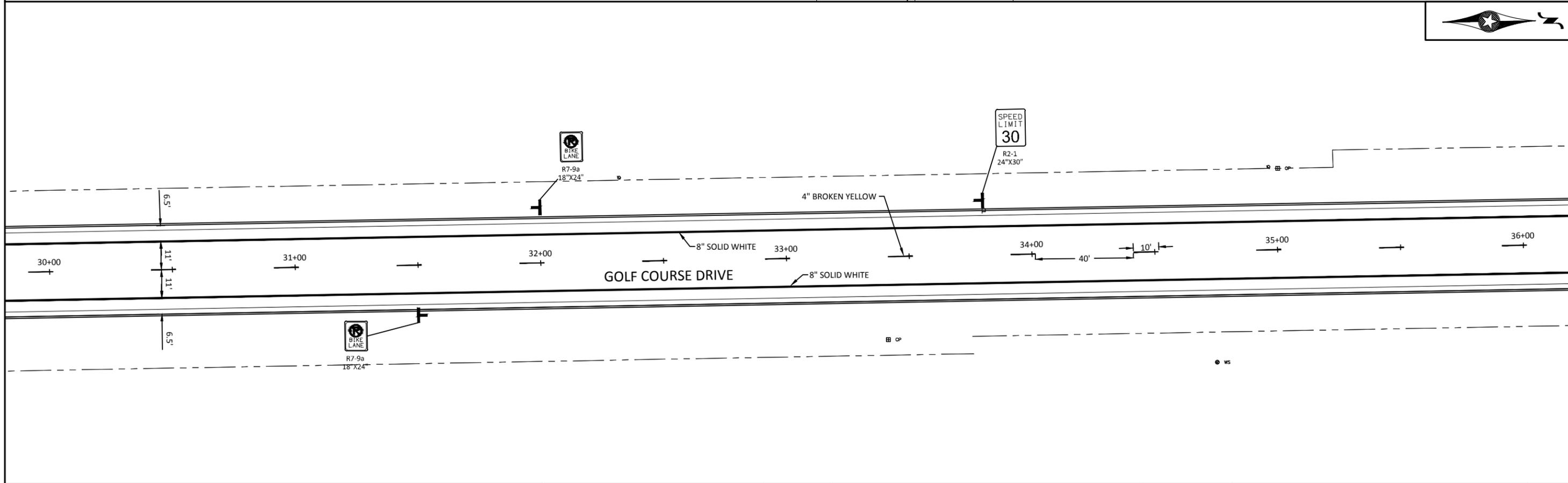
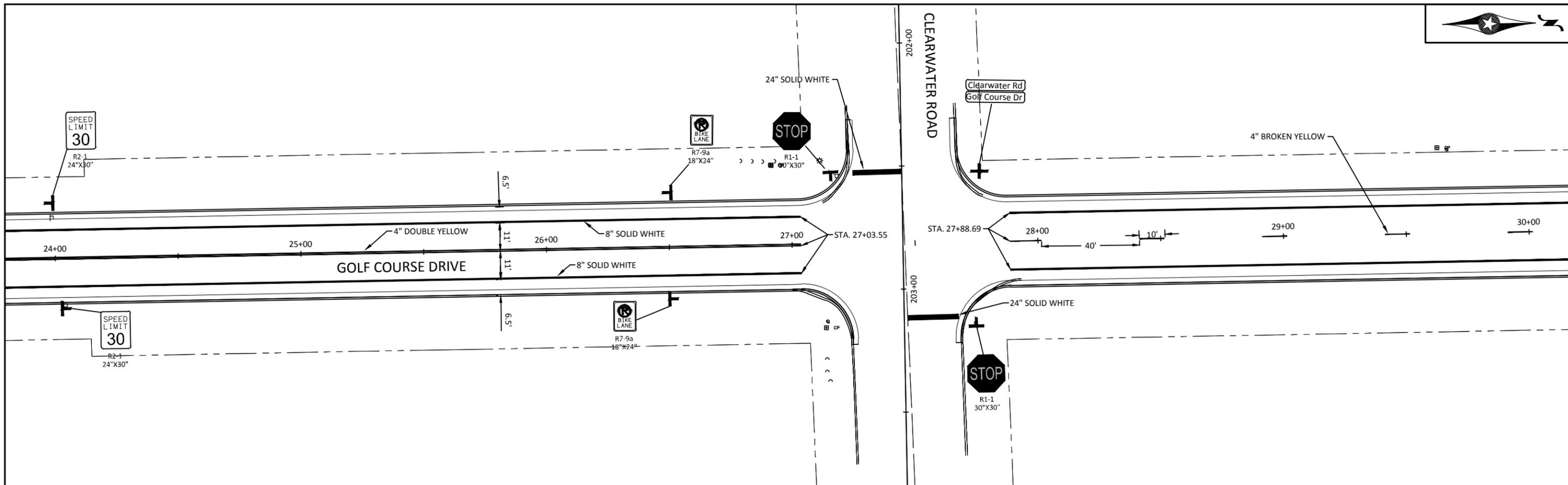
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REV.	BY	DATE

CITY OF BAXTER, MINNESOTA
2016 GOLF COURSE DRIVE
SIGNING AND STRIPING PLAN - GOLF COURSE DRIVE

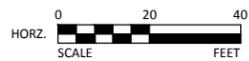
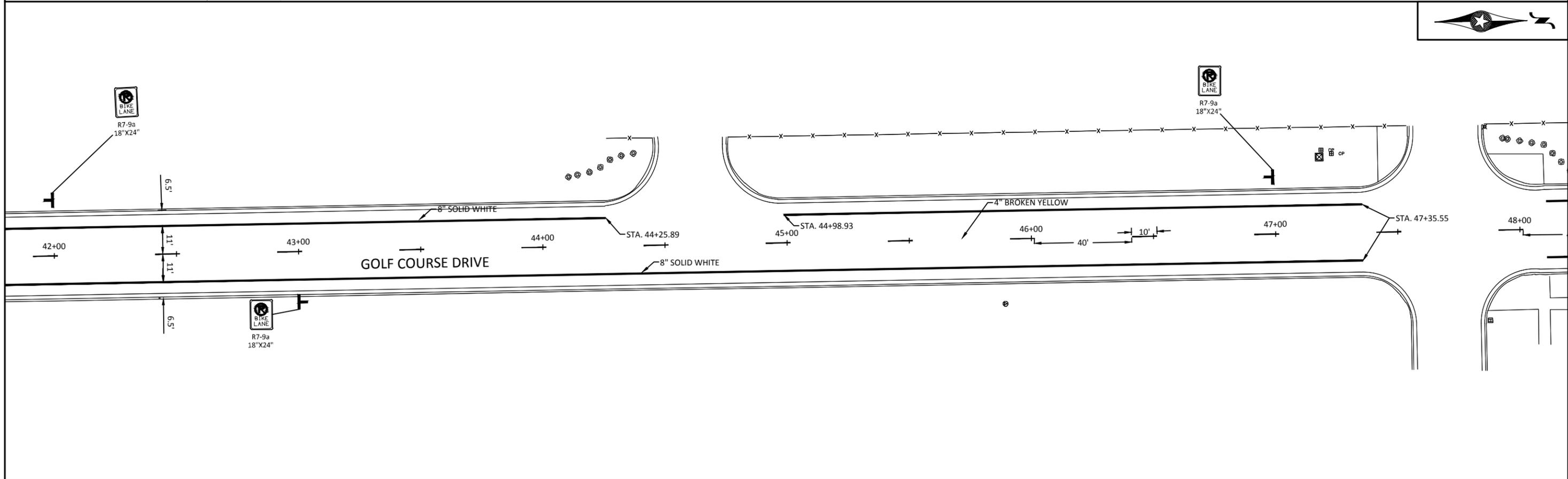
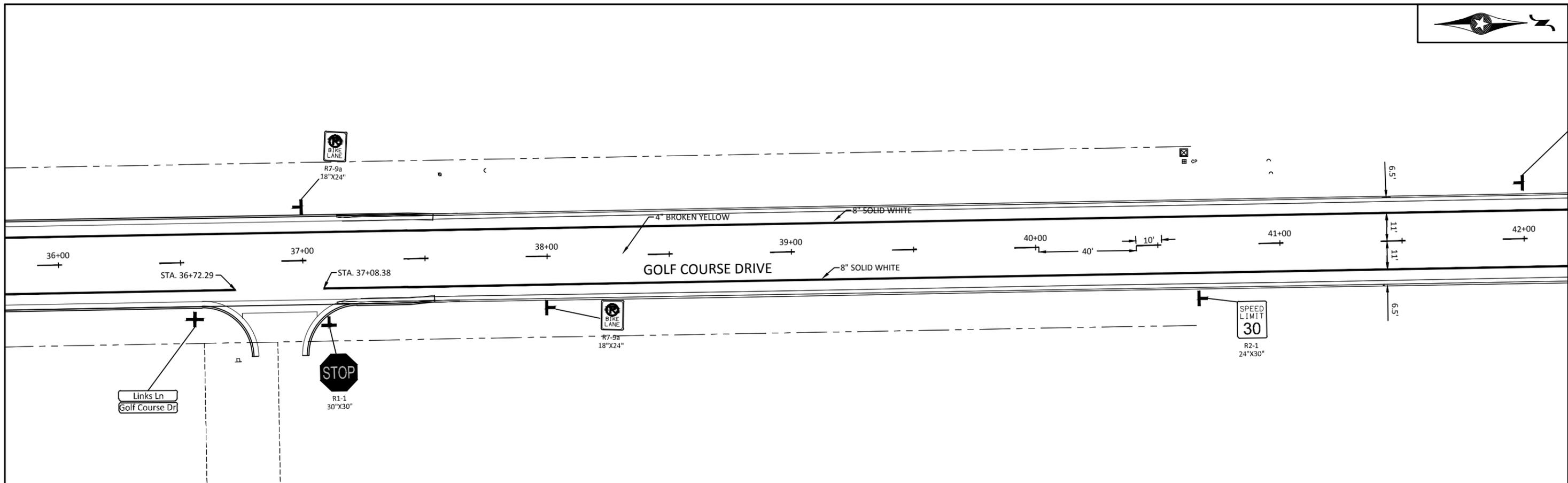
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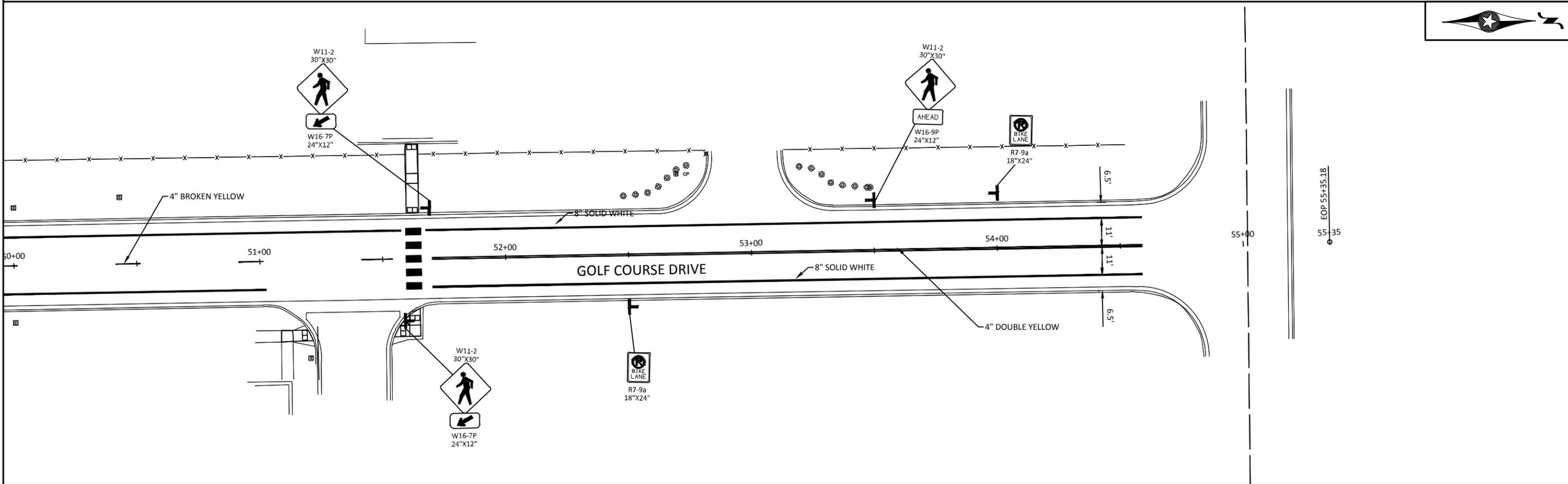
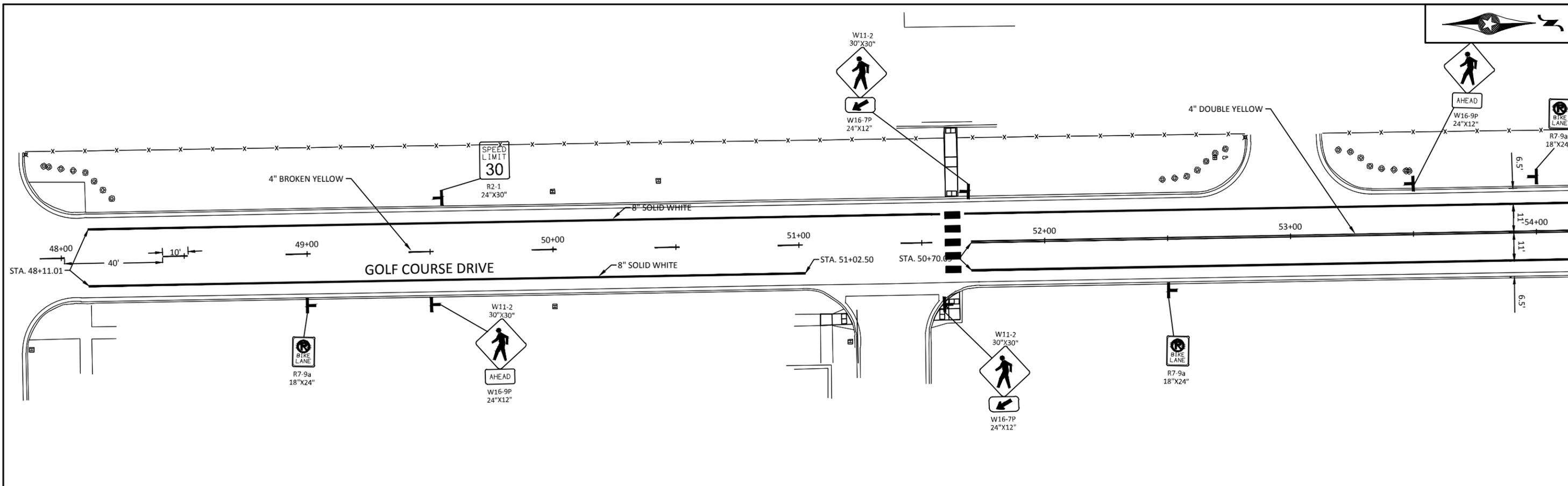
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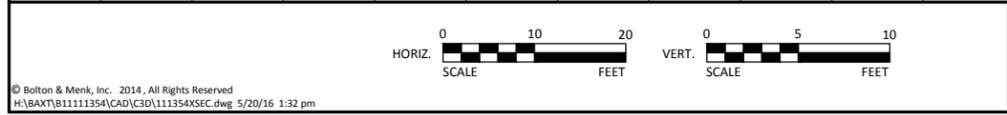
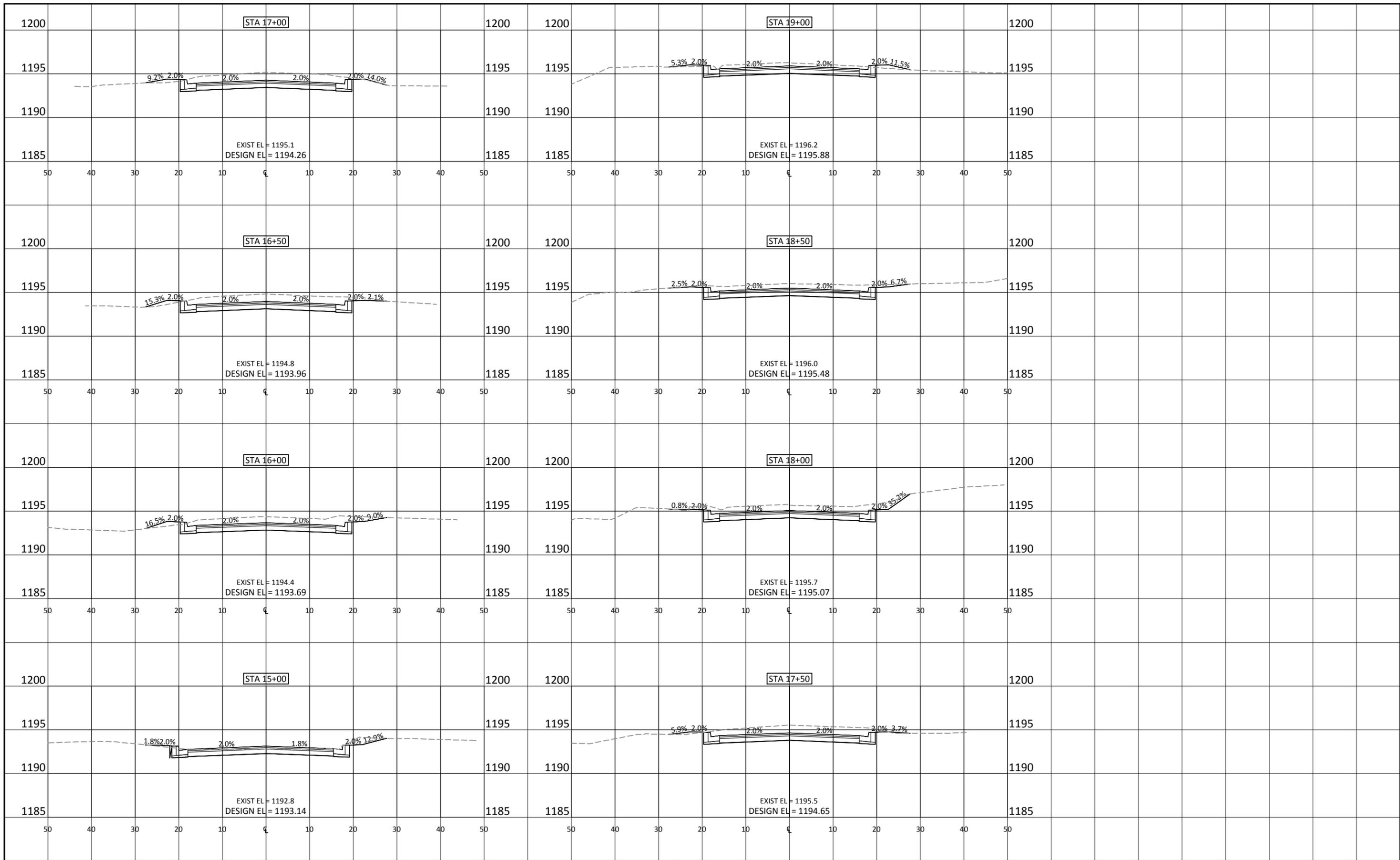
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CITY OF BAXTER, MINNESOTA
 2016 GOLF COURSE DRIVE
 SIGNING AND STRIPING PLAN - GOLF COURSE DRIVE

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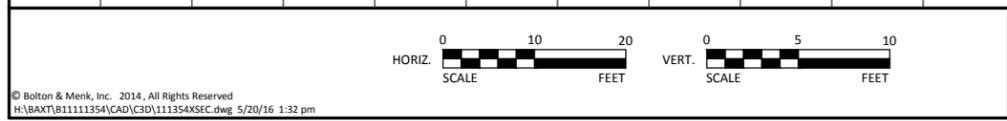
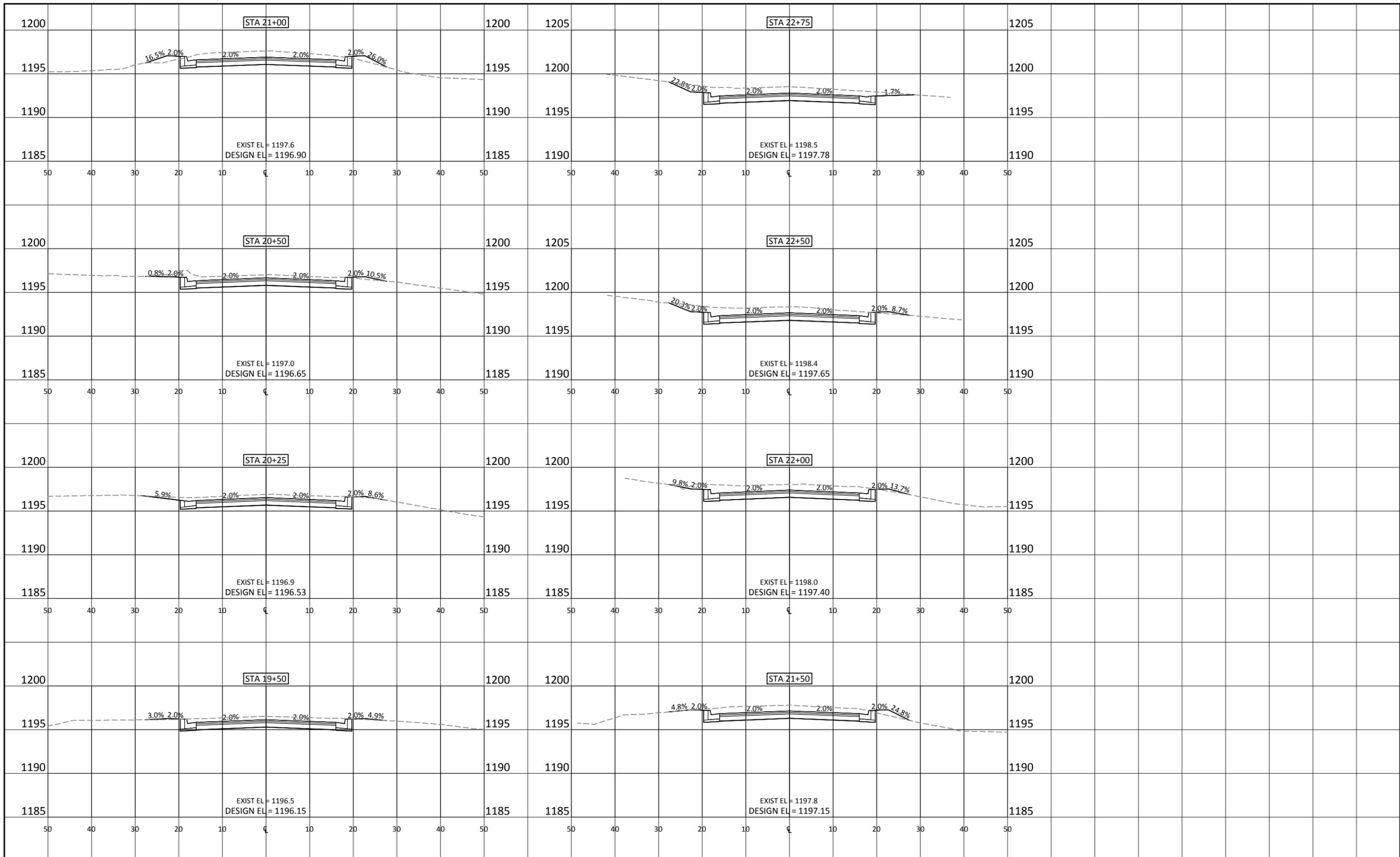
<p>0 20 40 HORZ. SCALE FEET</p> <p><small>© Bolton & Menk, Inc. 2016, All Rights Reserved H:\BAXT\1111354\CAD\111354_SIGN-STRIPE.dwg 5/20/16 1:22 pm</small></p>	<p>HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.</p> <p>BRYAN G. DROWN LIC. NO. 41934 DATE XX/XX/XXXX</p>	<p>DESIGNED JIF</p> <p>DRAWN JIF</p> <p>CHECKED BGD</p>	<p>BOLTON & MENK, INC. Consulting Engineers & Surveyors MANKATO, MN FAIRMONT, MN SLEEPY EYE, MN BURNSVILLE, MN WILLMAR, MN CHASKA, MN RAMSEY, MN MAPLEWOOD, MN BAXTER, MN ROCHESTER, MN AMES, IA SPENCER, IA DES MOINES, IA FARGO, ND</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV.</th> <th>BY</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	REV.	BY	DATE										<p style="text-align: center;">CITY OF BAXTER, MINNESOTA 2016 GOLF COURSE DRIVE</p> <p style="text-align: center;">SIGNING AND STRIPING PLAN - GOLF COURSE DRIVE</p>	<p>SHEET 6.5</p>
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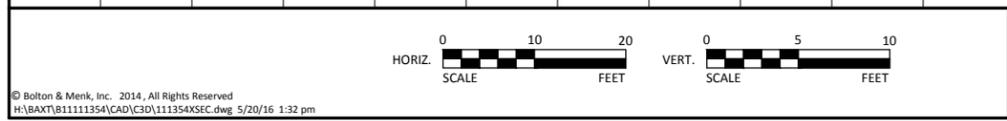
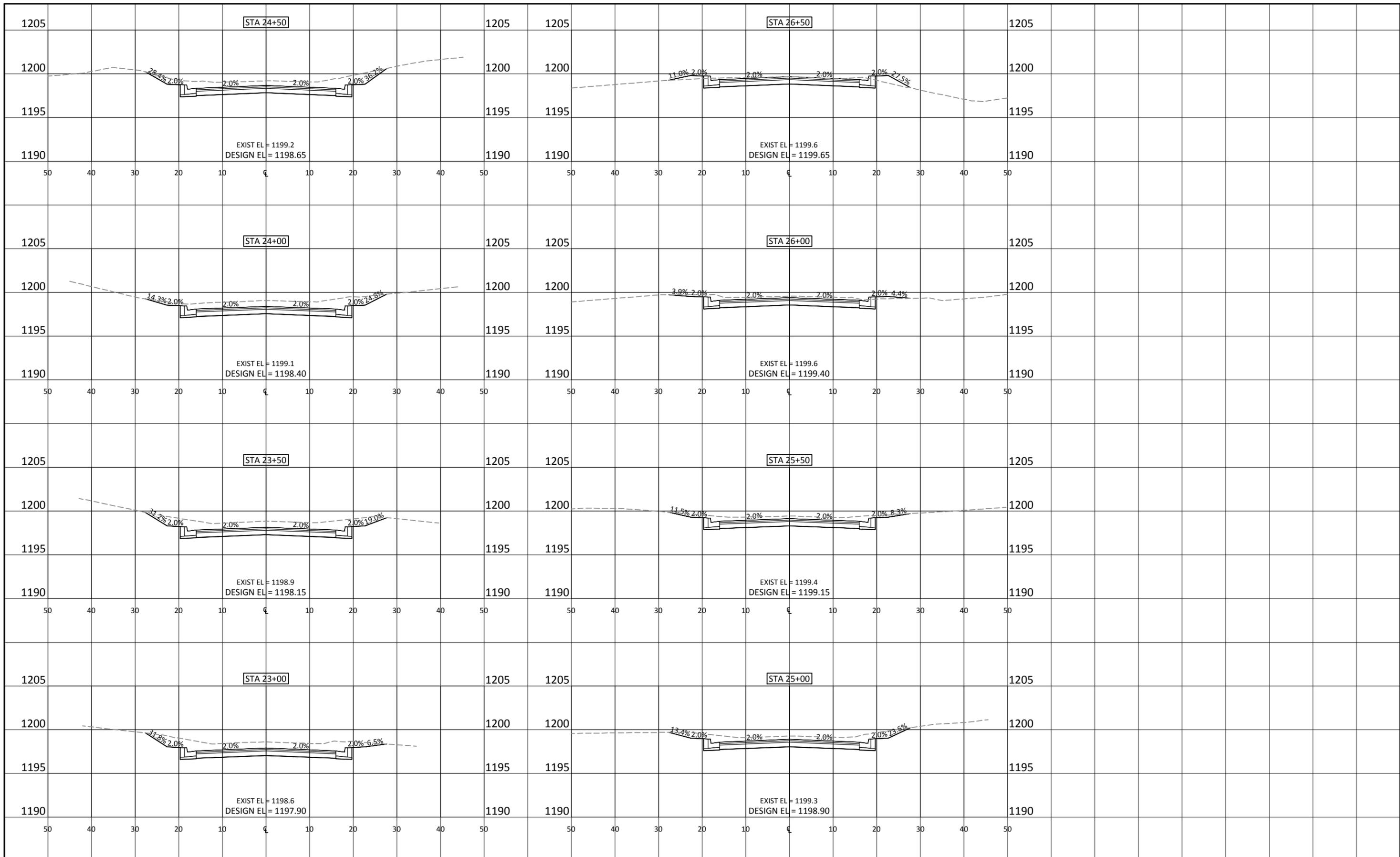
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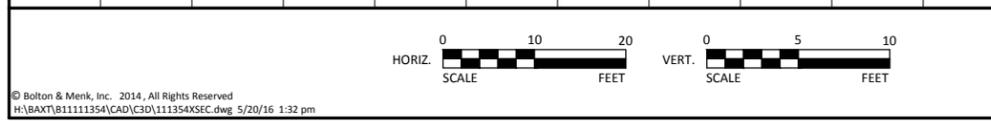
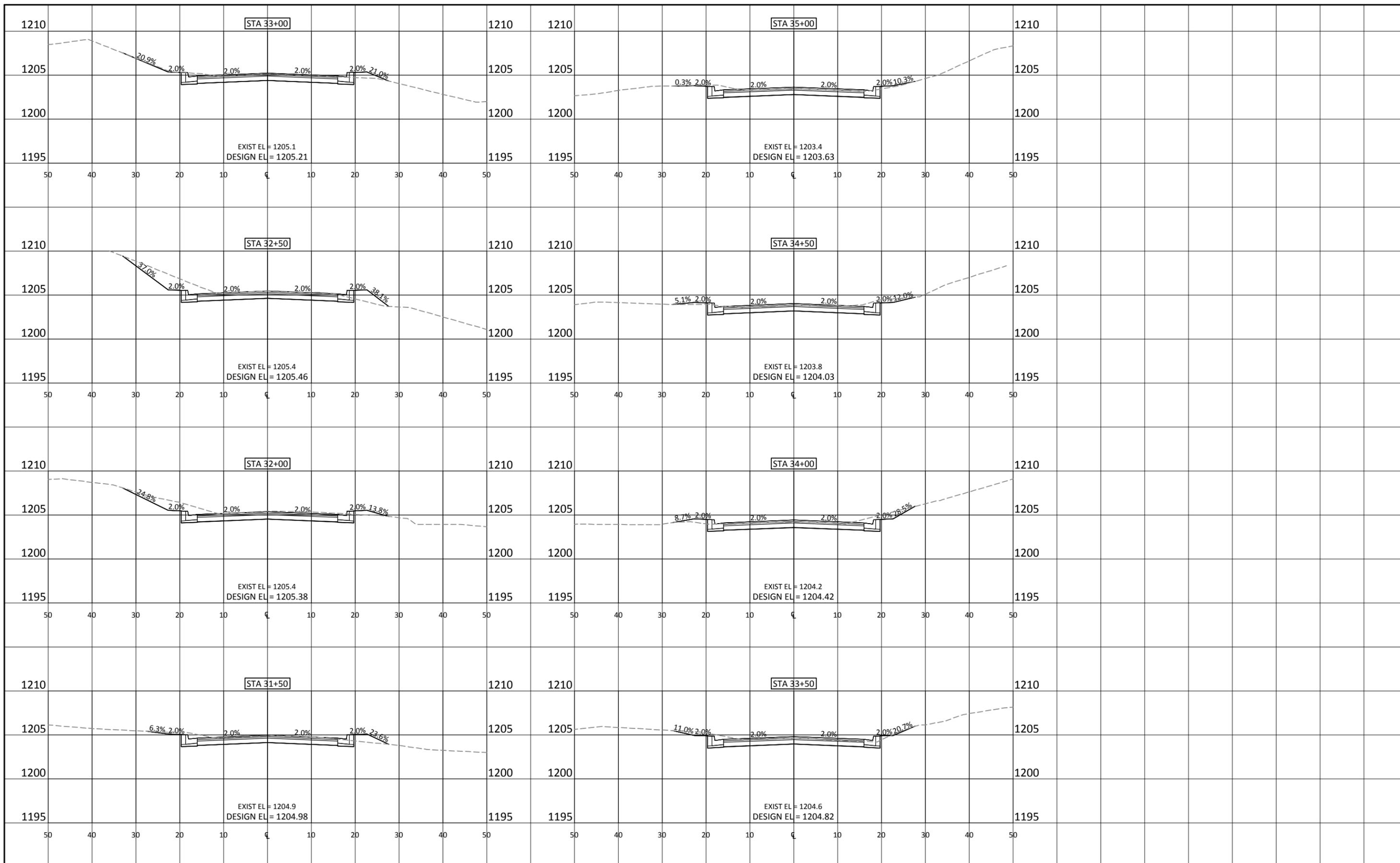
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 2016 GOLF COURSE DRIVE
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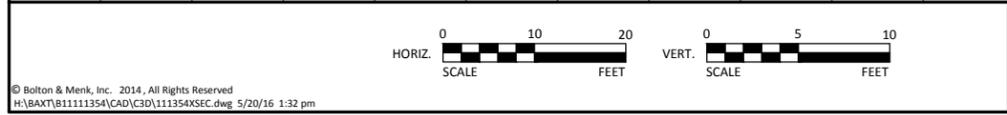
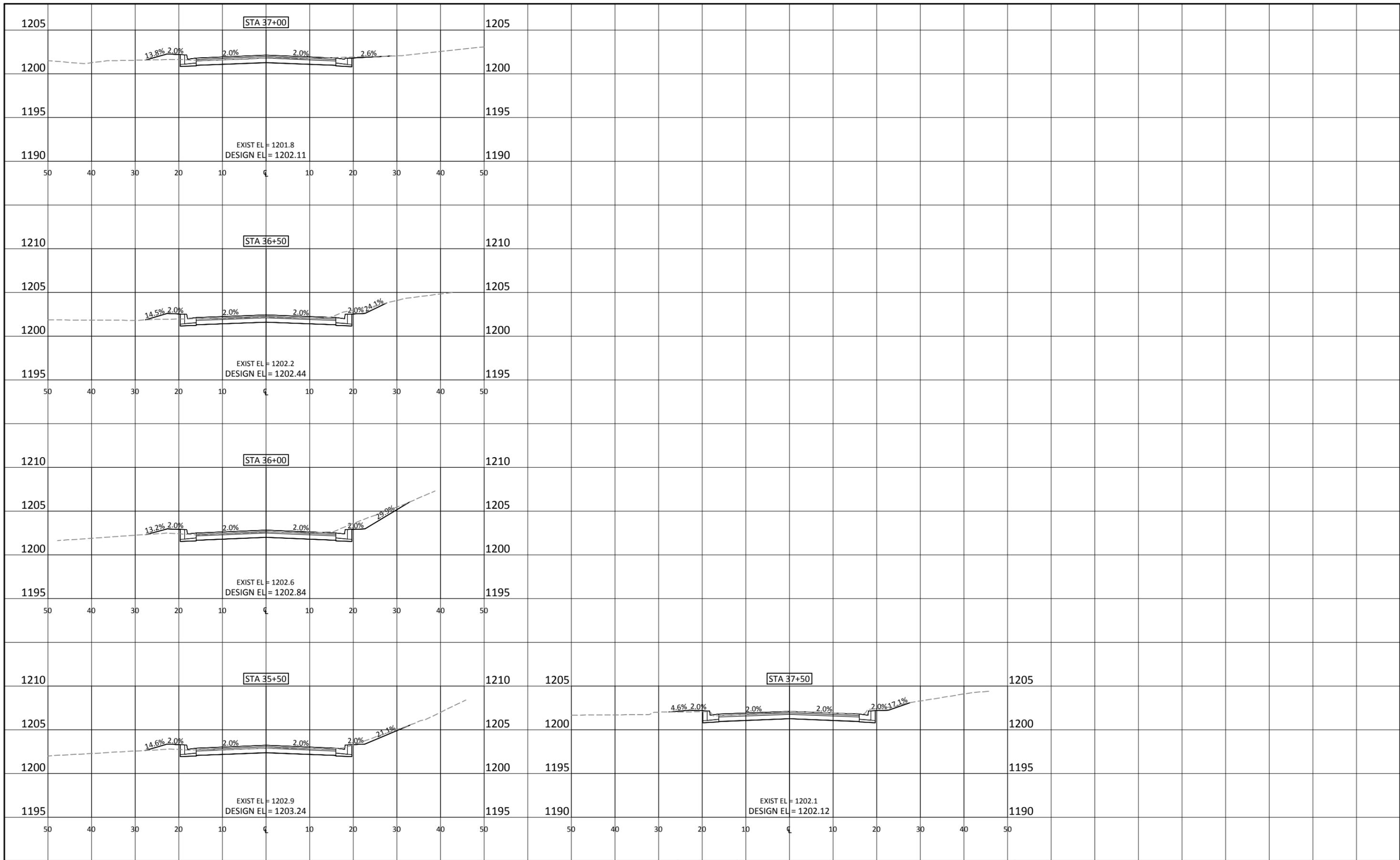
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