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<th>NO.</th>
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<th>ITEM DESCRIPTION</th>
<th>UNIT OF MEASURE</th>
<th>ESTIMATED QUANTITIES</th>
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<th>TOTAL COST</th>
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<td>REMOVE CONCRETE SIDEWALK</td>
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**GRAND TOTAL:**
GENERAL NOTES

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" CONCURRENT WITH THE PERMIT DATE. (AVAILABLE AT: http://www.dot.state.mn.us/permits/spe/)


3. CONTRACTOR SHALL ACQUIRE ALL NECESSARY PERMITS.

4. ANY DIFFERENCES BETWEEN PLANS AND SPECIFICATIONS AND QUESTIONS REGARDING INTERPRETATIONS OF ALL PLANS AND SPECIFICATIONS SHALL BE RESOLVED BY THE ENGINEER OR OWNER. THE CONTRACTOR WILL NOT BE PERMITTED TO TAKE ADVANTAGE OF ANY PLANS OR SPECIFICATIONS. THE GENERAL INTENT AND MEANING WILL GOVERN. THE ENGINEER OR OWNER WILL PROVIDE FULL INSTRUCTIONS WHEN CHANGED CONDITIONS, ERRORS OR OMISSIONS ARE DISCOVERED BY THE CONTRACTOR.

5. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIIONS TO MEASURE THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING "GSOQ" AT (1-800-202-1166) TWO WORKING DAYS PRIOR TO ANY EXCAVATION OR CONSTRUCTION.

ALTHOUGH SUCH WORK MAY NOT BE SPECIFICALLY NOTED ON THESE PLANS, CONTRACTOR SHALL PURCHASE AND INSTALL ALL SUPPLEMENTARY OR MISCELLANEOUS FITTINGS, MOUNTING DEVICES, DOORS, STORAGE AND ANY OTHER REQUIRED FIXTURES TO CONFORM TO ANY SPECIFICATIONS OR REQUIREMENTS OF THE ENGINEER OR OWNER.

6. ALL CONCRETE STRUCTURES SHALL CONFORM TO SPEC 2461 STRUCTURAL CONCRETE OF MINNESOTA MATERIALS LAB SUPPLEMENTAL SPECIFICATIONS FOR CONSTRUCTION CURRENT EDITION CONCURRENT WITH THE PERMIT DATE. (AVAILABLE AT: http://www.dot.state.mn.us/permits/spe/2014-

4-Materials-Lab-Supplement.pdf)

7. ALL CUSTOM CURB SHALL CONFORM TO SPEC 2531 CURB CURBING OF MINNESOTA MATERIALS LAB SUPPLEMENTAL SPECIFICATIONS FOR CONSTRUCTION CURRENT EDITION CONCURRENT WITH THE PERMIT DATE. (AVAILABLE AT: http://www.dot.state.mn.us/permits/spe/2014-

8. ELECTRICAL OR MATERIALS SPECIFIED IN THESE PLANS HAVE BEEN SPECIFIED BECAUSE THEY MEET THE REQUIREMENTS ALLOWED TO PERFORM A CERTAIN FUNCTION. THERE MAY BE OTHER MATERIALS THAT CAN MEET THE SAME REQUIREMENT THAT CAN BE PURCHASED FOR LESS OR ARE AVAILABLE IN UNIT AVAILABLE AT: http://www.dot.state.mn.us/permits/spe/2014-

9. EQUIPMENT OR MATERIALS SPECIFIED IN THESE PLANS HAVE BEEN SPECIFIED BECAUSE THEY MEET THE REQUIREMENTS ALLOWED TO PERFORM A CERTAIN FUNCTION. THERE MAY BE OTHER MATERIALS THAT CAN MEET THE SAME REQUIREMENT THAT CAN BE PURCHASED FOR LESS OR ARE AVAILABLE IN UNIT SPECIFIED IN THE ENSP SPECIFIED MATERIALS. ANY MODIFICATIONS TO EQUIPMENT OR MATERIALS NEED TO BE APPROVED BY THE ENGINEER PRIOR TO THEIR USE. CONSTRUCTION PROJECTS THAT ARE SPECIFIED TO BE WORKED ON BY "GSOQ" SHALL BE CONSIDERED AS "GSOQ" SPECIFIED MATERIALS.

10. BY SUBMISSION OF HIS BID PROPOSAL THE CONTRACTOR ACKNOWLEDGES THAT HE/ SHE HAS THOROUGHLY EXAMINED THE LOCATION OF THE WORK TO BE PERFORMED, FAMILIAR WITH LOCAL CONDITIONS, AND HAS THE RESOURCES TO COMPLETE THE WORK TO THE SATISFACTION OF THE OWNER.

11. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL SURVEY CONTROL STAKES SET FOR LINE, GRADE, OR CONTROL IN THEIR ORIGINAL LOCATIONS. ANY EXPENSES INCURRED IN REPLACING ANY SUCH SURVEY STAKES WHICH THE CONTRACTOR OR HIS SUBCONTRACTORS MAY HAVE FAILED TO PRESERVE SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

12. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL SURVEY CONTROL STAKES SET FOR LINE, GRADE, OR CONTROL IN THEIR ORIGINAL LOCATIONS. ANY EXPENSES INCURRED IN REPLACING ANY SUCH SURVEY STAKES WHICH THE CONTRACTOR OR HIS SUBCONTRACTORS MAY HAVE FAILED TO PRESERVE SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COVERING ALL EXISTING UTILITY LINES IDENTIFIED ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE LINES ARE PROPERLY COVERED AND THAT THE PROJECT IS COMPLETED IN SUCH A MANNER TO ALLOW THE UTILITY LINES TO BE RESTORED IN A MANNER THAT WILL NOT HARM THE UTILITY LINES.

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES WHETHER BEING CONNECTED TO OR NOT. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL UTILITIES WHETHER BEING CONNECTED TO OR NOT.

15. THE CONTRACTOR SHALL DO ALL WORK AND MATERIALS WHICH DO NOT CONFORM TO THE SPECIFICATIONS AND / OR PLANS ARE SUBJECT TO REMOVAL AT THE EXPENSE OF THE CONTRACTOR.
CHAIN LINK FENCE NOTES:
- STRUCTURAL STEEL PER MDOT SPEC. 3306
- STRUCTURAL PIPE PER MDOT SPEC. 3302
- GALVANIZE THE FENCE POST ANCHORAGE AFTER FABRICATION PER MDOT SPEC. 3394. GALVANIZE THE FASTENERS PER MDOT SPEC. 3392.

CHAIN LINK FENCE DETAILS:
FENCE SHALL BE PROVIDED AND INSTALLED ACCORDING TO STANDARD PLATE 9322K WITH THE FOLLOWING EXCEPTIONS:

1. ALL END POSTS AND INTERMEDIATE LINE POSTS SHALL BE 2" NOM. DIAMETER AS DETAILED AND NOTED ABOVE.
2. ALL FENCE COMPONENTS EXCEPT BASE PLATE AND PIPE SLEEVE ANCHORS SHALL BE BLACK, VINYL COATED.

PAYMENT FOR FURNISHING AND INSTALLING FENCES AS DETAILED AND NOTED ABOVE SHALL BE INCLUDED IN PRICE Bid FOR ITEM "WIRE FENCE DESIGN 48'-9322".

VINYL COATED CHAIN LINK FENCE DETAIL

SILT FENCE INSTALLATION

CURB & GUTTER (CATCH)
NOTE: MAINTAIN ACCESS TO GARAGE OF 419 N. 23RD AVENUE WEST.

REMOVE BITUMINOUS PAVEMENT UP TO ALLEY CENTERLINE.

5TH ST ALLEY

SAWCUT AND REMOVE END OF WALL AS NECESSARY FOR CONSTRUCTION OF NEW WALL.

SAWCUT AND REMOVE BITUMINOUS PAVEMENT UP TO GUTTER LINE OF 23RD AVE. W.

EXISTING CONDITIONS & REMOVALS PLAN NOTES

1. SAWCUT & REMOVE BITUMINOUS PAVEMENT.

2. CLEAR & GRUB TREE.

3. REMOVE CURB AND COUTER.

4. REMOVE TOP 2'-0" OF RETAINING WALL, REMOVE RAILING COMPLETELY.

5. SAWCUT LINE

6. SAWCUT & REMOVE CONCRETE PAVEMENT.
MATCH EXISTING

EXISTING
RIGHT OF WAY

5TH ST ALLEY

SEE SHEET C6.0 FOR SECTION A-A.

MATCH EXISTING

MATCH EXISTING

MATCH EXISTING

MATCH EXISTING

MATCH EXISTING

2% MAX. CROSS SLOPE ALONG PATH

TOP OF WALL AT ELEVATION OF 705.00'. APPROX. BOTTOM OF WALL AT ELEVATION OF 697.00'. FINAL ELEVATIONS DETERMINED BY APPROVED ENGINEERED PLAN.

2005 W 4TH STREET
RETAINING WALL
N. 23RD AVE WEST

SITE & GRADING PLAN NOTES

1

CONSTRUCT BITUMINOUS PAVEMENT TO MATCH EXISTING STREET SECTION. TYPE 9.5 WEARING COURSE BITUMINOUS MIXTURE MNDOT 2360.

2

CONSTRUCT B612 CURB & GUTTER. SEE DETAIL ON SHEET C9.0.

3

CONSTRUCT NON-REINFORCED GRAVITY WALL WITH RAILING MOUNTED AT TOP OF WALL. SEE SECTION 4-4 ON SHEET C8.0.

4

INSTALL SILT FENCE PER DETAIL ON SHEET C5.0.

5

PLACE 4" TOPSOIL AND SOD AT ALL DISTURBED AREAS.

6

CONSTRUCT 8" THICK CONCRETE DRIVEWAY PAVEMENT PER MNDOT 2531.

BITUMINOUS ALLEY SECTION DETAIL

CONCRETE SIDEWALK SECTION DETAIL
4" TOPSOIL AND SOD.
GRADE BETWEEN BACK OF CURBS AND WALL VARIES.
B612 CONCRETE CURB & GUTTER.

EXISTING CONCRETE CURBS TO BE REPLACED.

4'-0" TALL VINYL COATED CHAIN LINK FENCE. SEE DETAIL ON SHEET C5.0.

TOP OF WALL ELEV: ±705.00

- REMOVE TOP 2' OF WALL
- EXISTING BITUMINOUS TO BE REPLACED.
- SAWCUT LINE
- EXISTING BITUMINOUS PAVING TO REMAIN.

BACKFILL INCIDENTAL TO PREFABRICATED BLOCK WALL TO BE SELECT GRANULAR BORROW MOD. 7% (CV)
MINOT 2211.503 BEHIND PROPOSED WALL AFTER TOP 2' OF EXISTING WALL HAS BEEN REMOVED.

3/4" DIA. CRUSHED AGGREGATE DIRECTLY BEHIND WALL INCIDENTAL TO ITEM 2411.618 PREFABRICATED MODULAR BLOCK WALL

EXISTING ROCK RETAINING WALL

PROPOSED UN-REINFORCED GRAVITY WALL SYSTEM CONSTRUCTED AT TOE OF SLOPE.
PIPE TO DISCHARGE AT TOP OF FIRST COURSE OF BLOCK.
EXISTING GRADE AT BOTTOM OF WALL

BOTTOM OF WALL ELEV: ±697.00

3/4" DIA. CRUSHED AGGREGATE LEVELING PAD INCIDENTAL TO ITEM 2411.618 PREFABRICATED MODULAR BLOCK WALL

FABRIC WRAPPED PERFORATED DRAIN TILE INCIDENTAL TO PREFABRICATED BLOCK WALL. DISCHARGE THROUGH WALL AT MIN. 16" C.C. INTERVALS.

SECTION A-A