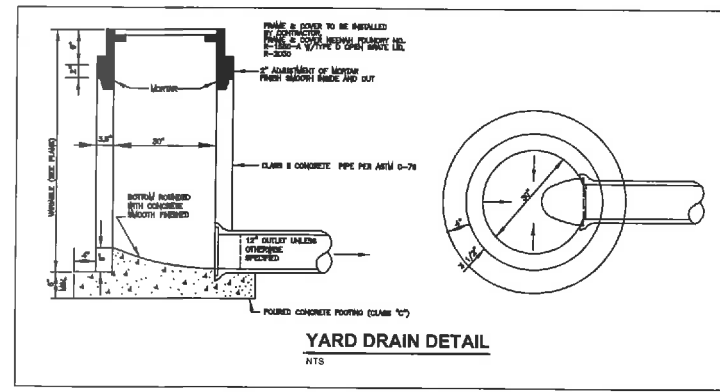
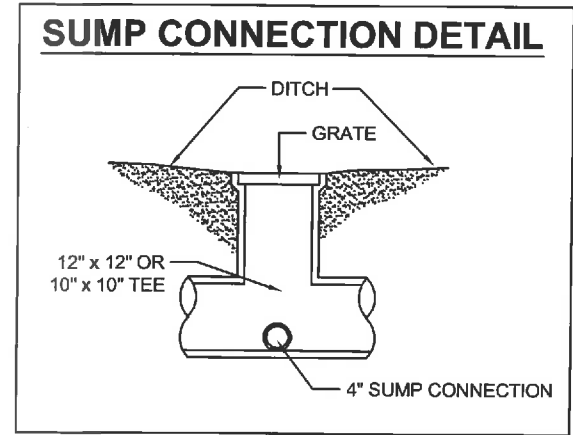
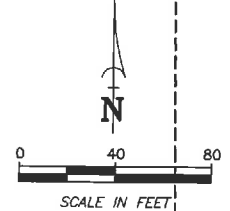
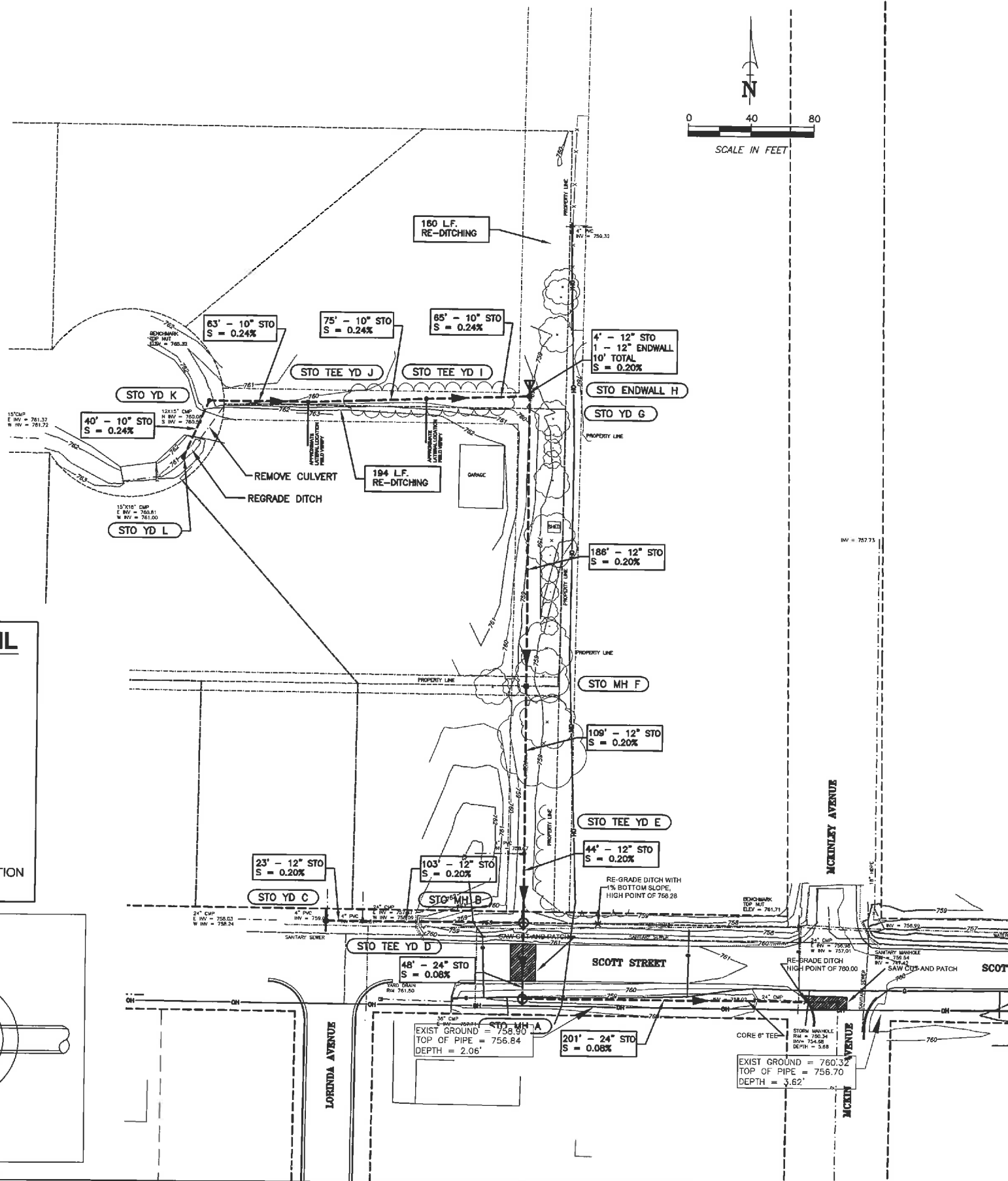


DRAINAGE/GRADING PLAN: NATROP LANDING

| INDEX OF SHEETS | |
|-----------------|-------------------------|
| DRAWING NO. | DESCRIPTION: |
| C101 | DRAINAGE / GRADING PLAN |
| C201 | EROSION CONTROL PLAN |
| C202 | EROSION CONTROL DETAILS |
| C203 | EROSION CONTROL DETAILS |



| BENCHMARK DATA | | |
|----------------|--|------------|
| I.D. | DESCRIPTION: | ELEVATION: |
| BM1 | TOP OF HYDRANT NW CORNER OF MCKINLEY AVE AND SCOTT DRIVE | 761.71 |
| BM2 | TOP OF HYDRANT END OF BROOK ASHLEY CT | 765.32 |

| UTILITY SCHEDULE | | | | |
|---------------------------|---------------|--------------------------------|-----------------------|----------------------|
| STRUCTURE ID# | RIM ELEVATION | INVERT ELEVATION | STRUCTURE DEPTH (FT.) | INLET TYPE |
| Existing McKinley Manhole | 760.34 | 754.68 | 5.66 | 6' DIA. STRUCTURE |
| A | 768.00 | 24" N,E 754.84 6" S 755.80 | 3.16 | 4' DIA. GRATED LID |
| B | 757.80 | 24" S 754.88 12" N,W 754.92 | 2.92 | 4' DIA. STRUCTURE |
| C | 757.73 | 12" E 755.17 | 2.56 | 2.5' DIA. GRATED LID |
| D | 768.02 | 12" E,W 755.13 4" N 755.13 | 2.89 | 12" TEE GRATED LID |
| E | 758.02 | 12" N,S 755.01 4" W 755.01 | 3.01 | 12" TEE GRATED LID |
| F | 768.00 | 12" N,S 755.23 | 2.77 | 2.5' DIA. STRUCTURE |
| G | 758.75 | 12" N,S 756.60 10" W 755.64 | 3.15 | 2.5' DIA. GRATED LID |
| H | - | 12" N 755.62 | - | 12" DIA. ENDWALL |
| I | 757.89 | 10" E,W 755.80 4" S 755.80 | 2.09 | 10" TEE GRATED LID |
| J | 757.99 | 10" E,W 755.98 4" S 755.98 | 2.01 | 10" TEE GRATED LID |
| K | 760.00 | 10" S,E 756.12 | 3.88 | 2.5' DIA. GRATED LID |
| L | 760.50 | 10" N 756.22 | 4.28 | 2.5' DIA. GRATED LID |

- DRAINAGE PLAN NOTES**
- THE LOCATION OF EXISTING UTILITY FACILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL HAVE ALL FACILITIES LOCATED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF A CONFLICT WITHIN THE WORK IS DISCOVERED.
 - ALL WORK UNDER THIS CONTRACT SHALL BE DONE IN ACCORDANCE WITH THE CITY OF OMRO STANDARD SPECIFICATIONS, ALONG WITH THE LATEST EDITION OF THE STATE OF WISCONSIN D.O.T. STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION.
 - THE CONTRACTOR AND/OR OWNER SHALL NOT PROCEED WITH CONSTRUCTION ACTIVITIES UNTIL APPROPRIATE PERMITS/APPROVALS ARE OBTAINED.
 - THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS FOR CONSTRUCTION.
 - THE CONTRACTOR SHALL CLEAN UP ALL EXCESS MATERIAL AND DEBRIS CAUSED AS A RESULT OF WORK UNDER THIS CONTRACT.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGE RESULTING FROM THE PERFORMANCE OF THE WORK UNDER THIS CONTRACT.
 - CONTRACTOR SHALL DISPOSE OF NON-SUITABLE MATERIAL OFF-SITE.

| DRAINAGE PLAN LEGEND | | | |
|----------------------|-----------------------------|------------|------------------------------------|
| — 000 — | EXISTING CONTOUR | x (000.00) | PROPOSED PAVEMENT ELEVATION |
| — 000 — | PROPOSED CONTOUR | x (000.00) | PERTINENT DITCH OR SWALE ELEVATION |
| — — — | STORM SEWER MAIN | 000.0 | EXISTING ELEVATION |
| ○ | YARD DRAIN | 000.0 | PROPOSED GROUND AT FOUNDATION |
| ■ | 2' x 3' PRECAST STORM INLET | ← | DIRECTION OF DRAINAGE |

| TOPOGRAPHIC LEGEND | | | |
|--------------------|------------------------|-------|----------------------------|
| ■ | 1" x 16" IRON PIPE SET | — — — | OVERHEAD POWER LINES |
| ▲ | 1-1/4" x 30" REBAR SET | — — — | UNDERGROUND ELECTRIC |
| × | CHISELED "X" SET | — — — | UNDERGROUND TELEPHONE |
| ○ | 3/4" REBAR FOUND | — — — | UNDERGROUND FIBEROPTIC |
| □ | 1" IRON PIPE FOUND | — — — | UNDERGROUND GAS |
| △ | 1-1/4" REBAR FOUND | — — — | UNDERGROUND CABLE TV |
| ◆ | 2" IRON PIPE FOUND | — — — | EXIST. FENCE LINE |
| ◇ | CHISELED "X" FOUND | — — — | SIGN |
| ◆ | GOVERNMENT CORNER | — — — | POWER POLE |
| ○ | RECORDED AS | — — — | GUY |
| ○ | CONFEROUS TREE | — — — | LIGHT POLE |
| ○ | DECIDUOUS TREE | — — — | TELEPHONE PEDESTAL |
| ○ | EXIST. WOODS LINE | — — — | ELECTRIC PEDESTAL |
| ± | METLANDS | — — — | CABLE PEDESTAL |
| ◆ | SOIL BORING | — — — | EXIST. HYDRANT WATER VALVE |
| | | — — — | WATER STOP BOX |
| | | — — — | GAS VALVE |
| | | — — — | EXIST. STORM MANHOLE |
| | | — — — | STORM INLET |
| | | — — — | YARD DRAIN |
| | | — — — | EXIST. SANITARY MANHOLE |
| | | — — — | DIST. SAN. SEWER |
| | | — — — | EXIST. ST. SEWER |
| | | — — — | EXIST. WATER MAIN |
| | | — — — | DIST. SPOT ELEVATION |
| | | — — — | CONTOUR w/ ELEVATION |
| | | — — — | EXIST. TOP OF CURB ELEV. |
| | | — — — | EXIST. FLOW LINE ELEV. |
| | | — — — | FIRST FLOOR = 000.00 |
| | | — — — | TOPSOIL DEPTH |
| | | — — — | INFILTRATION SOIL BORING |

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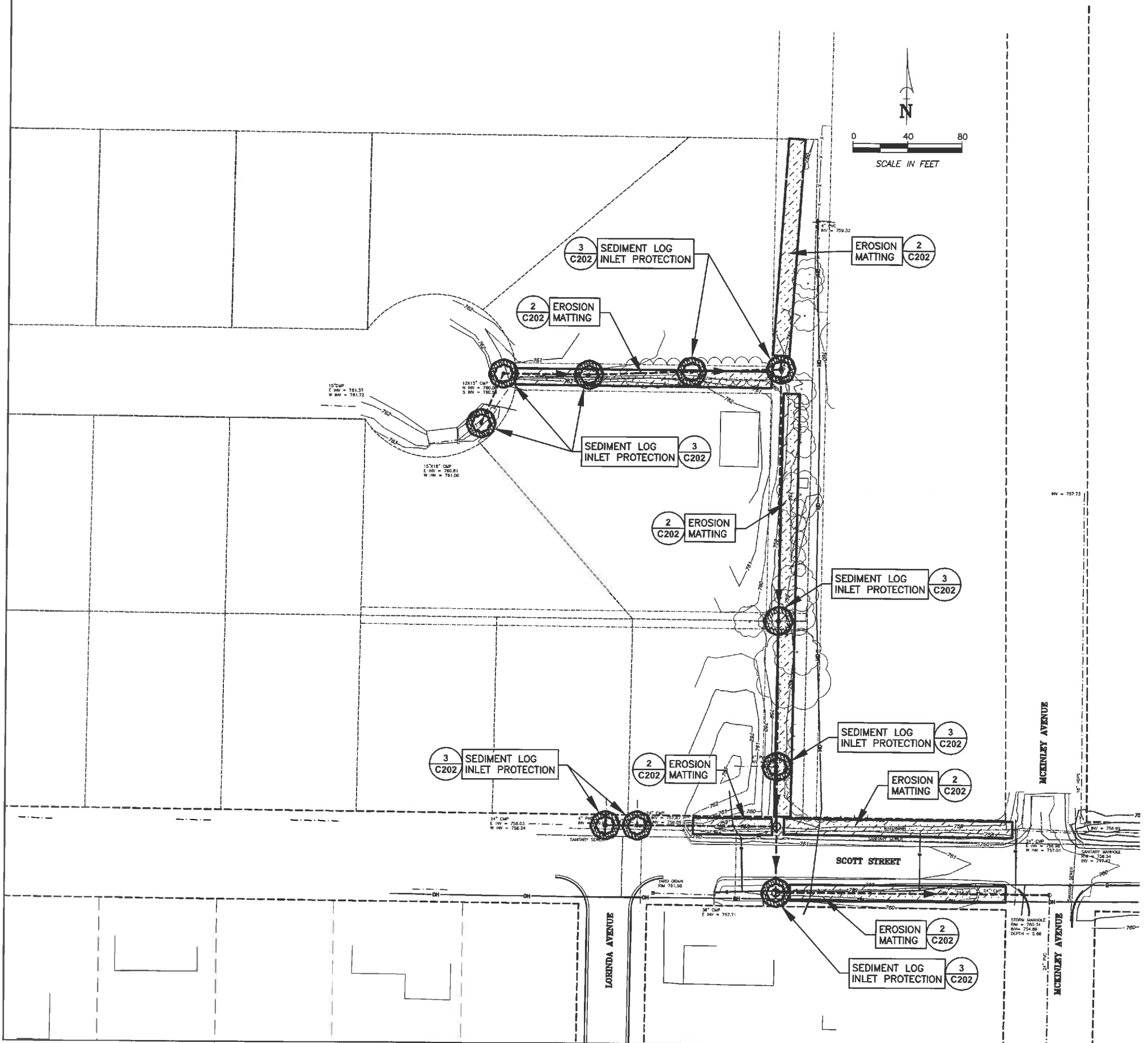
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| NO. | DATE | REVISION |
|-----|---------|--|
| 1 | 6-16-16 | RESET CULVERT ON BROOK ASHLEY COURT 15' TO 24" STORM ACROSS SCOTT STREET |
| 2 | 1-9-17 | ELIM MH LAY NEW 24" STO. TO EX MH IN MC |
| 3 | 1-11-17 | REVISED UTILITY SCHEDULE & STORM TEXT |
| 4 | 2-20-17 | ADDED EXISTING UTILITIES & STO. MH L |

DRAINAGE/GRADING PLAN
NATROP LANDING
 CITY OF OMRO, WINNEBAGO COUNTY, WISCONSIN

| | |
|------------------|-----------|
| SCALE | DATE |
| BAR SCALE | 8/20/2015 |
| COMPUTER FILE | |
| 0-0439-047ds.dwg | |
| DRAWING NO. | |
| C101 | |

EROSION CONTROL PLAN: NATROP LANDING



| EROSION CONTROL NOTES | |
|-----------------------|---|
| 1. | THE CONTRACTOR SHALL INSTALL SILT FENCE AROUND THE PERIMETER OF THE PROJECT AS SHOWN ON THIS PLAN PRIOR TO ANY CONSTRUCTION INCLUDING STRIPPING TOPSOIL. |
| 2. | ALL EROSION CONTROL DEVICES SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL THE COMPLETION OF HIS CONTRACT. |
| 3. | THE CONTRACTOR SHALL MAINTAIN SAID EROSION CONTROL DEVICES UNTIL THE COMPLETION OF HIS CONTRACT AND SHALL NOT REMOVE THE EROSION CONTROL DEVICES UNTIL VEGETATION IS ESTABLISHED. |
| 4. | THE GRADING CONTRACTOR SHALL SEED AND MULCH ALL DISTURBED AREAS IMMEDIATELY WHEN FINAL GRADE IS ESTABLISHED. SEED MIXTURE SHALL BE ACCORDING TO THE SPECIFICATIONS. |
| 5. | THE CONTRACTORS SHALL PREVENT TRACKING ON EXISTING STREETS. ANY SEDIMENT TRACKED ONTO EXISTING STREETS SHALL BE CLEANED UP DAILY. |
| 6. | INSTALLATION AND MAINTENANCE OF EROSION CONTROL SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS. |
| 7. | SILT FENCES DAMAGED DURING LATERAL CONSTRUCTION SHALL BE REPAIRED AS SOON AS WORK IS COMPLETE IN THAT AREA. |

| CONTRACTOR RESPONSIBILITIES | |
|-----------------------------|--|
| 1. | NOTIFY THE ENGINEER WITHIN 48 HOURS OF COMMENCING ANY LAND DISTURBING OR LAND DEVELOPMENT ACTIVITY. |
| 2. | NOTIFY THE ENGINEER OF COMPLETION OF ANY EROSION CONTROL MEASURES WITHIN 3 DAYS AFTER COMPLETION. |
| 3. | OBTAIN PERMISSION IN WRITING FROM THE ENGINEER PRIOR TO MODIFYING THE EROSION CONTROL PLAN. |
| 4. | INSTALL ALL EROSION CONTROL MEASURES AS IDENTIFIED IN THE APPROVED EROSION CONTROL PLAN. |
| 5. | REPAIR ANY SILTATION OR EROSION DAMAGE TO ADJOINING SURFACES AND DRAINAGE WAYS RESULTING FROM LAND DEVELOPING OR DISTURBING ACTIVITIES. |
| 6. | MAINTAIN ALL ON- AND OFF- SITE STORM WATER DRAINAGE SYSTEMS AS IDENTIFIED ON THE EROSION CONTROL PLAN. |
| 7. | REPAIR ANY EROSION CONTROL SYSTEM INSTALLED IN ACCORDANCE TO THE EROSION CONTROL PLAN. |
| 8. | INSPECT THE CONSTRUCTED EROSION CONTROL MEASURES AFTER EACH RAIN OF 0.5 INCHES OR MORE AND AT LEAST ONCE EACH WEEK AND MAKE NEEDED REPAIRS. |
| 9. | ALLOW THE ENGINEER TO ENTER THE SITE FOR THE PURPOSE OF INSPECTING COMPLIANCE WITH THE EROSION CONTROL PLAN OR FOR PERFORMING ANY WORK NECESSARY TO BRING THE SITE INTO COMPLIANCE WITH THE EROSION CONTROL PLAN. |
| 10. | KEEP A COPY OF THE APPROVED EROSION CONTROL PLAN ON THE SITE. |
| 11. | ALL AREAS BEING SEEDED SHOULD HAVE A MINIMUM OF 4 INCHES OF SUITABLE TOPSOIL. |
| 12. | GRADING CONTRACTOR SHALL MAINTAIN EROSION CONTROL UNTIL TERMINATION NOTICE IS ISSUED. |
| 13. | ALL DISTURBED AREAS SHALL BE RESTORED WITHIN 7 DAYS OF COMPLETION OF WORK WITHIN THESE AREAS. THIS INCLUDES SOIL STOCKPILES, WHICH SHALL BE STABILIZED BY MULCHING, TEMPORARY SEEDING, SODDING OR COVERING W/ TARPS. |
| 14. | GRADE & GRAVEL CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL DEVICES AFTER SITE STABILIZATION. |

| GENERAL NOTES | |
|---------------|--|
| 1. | SITE DEWATERING. WATER PUMPED FROM THE SITE SHALL BE TREATED BY TEMPORARY SEDIMENTATION BASINS OR OTHER APPROPRIATE CONTROLS DESIGNED FOR THE HIGHEST Dewatering PUMPING RATE. WATER MAY NOT BE DISCHARGED IN A MANNER THAT CAUSES EROSION OF THE SITE OR RECEIVING CHANNELS. (NOT ANTICIPATED) |
| 2. | WASTE AND MATERIAL DISPOSAL. ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, WASTEWATER, TOXIC MATERIALS OR HAZARDOUS MATERIALS) SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO BE CARRIED BY RUNOFF INTO A RECEIVING CHANNEL OR STORM SEWER SYSTEM. |
| 3. | TRACKING. THIS SITE SHALL STABILIZE THE EXISTING DRIVE WITH 3" TO 6" (12" THICK) OF CLEAR AGGREGATE SUFFICIENT TO PREVENT SEDIMENT FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROAD WAYS AS APPROVED BY THE DIRECTOR. ANY SEDIMENT REACHING A PUBLIC OR PRIVATE ROAD SHALL BE REMOVED BEFORE THE END OF EACH WORK DAY. FLUSHING MAY NOT BE USED UNLESS THE SEDIMENT WILL BE CONTROLLED BY A FILTER FABRIC BARRIER, SEDIMENT TRAP, SEDIMENT BASIN OR EQUIVALENT. TRACKING PAD DIMENSIONS ARE SHOWN ON THE EROSION CONTROL PLAN (24"x50' MIN). |
| 4. | DRAIN INLET PROTECTION. ALL ON-SITE STORM DRAIN INLETS AND THE IMPACTED DOWNSTREAM INLETS SHALL BE PROTECTED WITH THE CATCH-ALL CONFIGURATION. OFF-SITE CULVERTS SHALL BE PROTECTED WITH SAND BAG CULVERT CHECKS. |
| 5. | SEDIMENT CLEANUP. ALL OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF A STORM EVENT SHALL BE CLEANED UP BY THE END OF THE NEXT WORK DAY. ALL OTHER OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF LAND DISTURBING ACTIVITIES SHALL BE CLEANED UP BY THE END OF THE WORK DAY. |
| 6. | DISTURBANCE TIMING. ALL ACTIVITIES ON THE SITE SHALL BE CONDUCTED IN A LOGICAL SEQUENCE TO MINIMIZE THE AREA OF BARE SOIL EXPOSED AT ANY ONE TIME. EXISTING VEGETATION SHALL BE MAINTAINED AS LONG AS POSSIBLE. |

| EROSION CONTROL PLAN KEY LEGEND | |
|---------------------------------|--|
| | 1 SILT FENCE (1 C202) |
| | 2 TRACKING PROTECTION (2 C202) |
| | 3 INLET PROTECTION TYPES A, B, C, & D (3 C202) |
| | 4 INLET PROTECTION TYPE D-M (4 C202) |
| | 5 INLET PROTECTION TYPE D-HR (5 C202) |
| | 6 SANDBAG CULVERT PIPE DITCH CHECK (6 C202) |
| | 7 DEWATERING DETAIL (7 C202) |
| | 8 EROSION CONTROL MAT DETAIL (CLASS1, TYPE A) (1 C203) |
| | 9 EROSION CONTROL MAT DETAIL (CLASS1, TYPE B) (2 C203) |
| | 10 SEDIMENT LOG INLET PROTECTION (3 C203) |
| | 11 SEDIMENT LOG CHANNEL DITCH CHECK (4 C203) |

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| NO. | DATE | DRAWN BY | CHECKED | APPROVED | REVISION |
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EROSION CONTROL PLAN
NATROP LANDING
 CITY OF OMRO, WINNEBAGO COUNTY, WISCONSIN

| | |
|------------------|-----------|
| SCALE | DATE |
| BAR SCALE | 2/24/2017 |
| COMPUTER FILE | |
| 0-0439-047de.dwg | |
| DRAWING NO. | |
| C201 | |

