

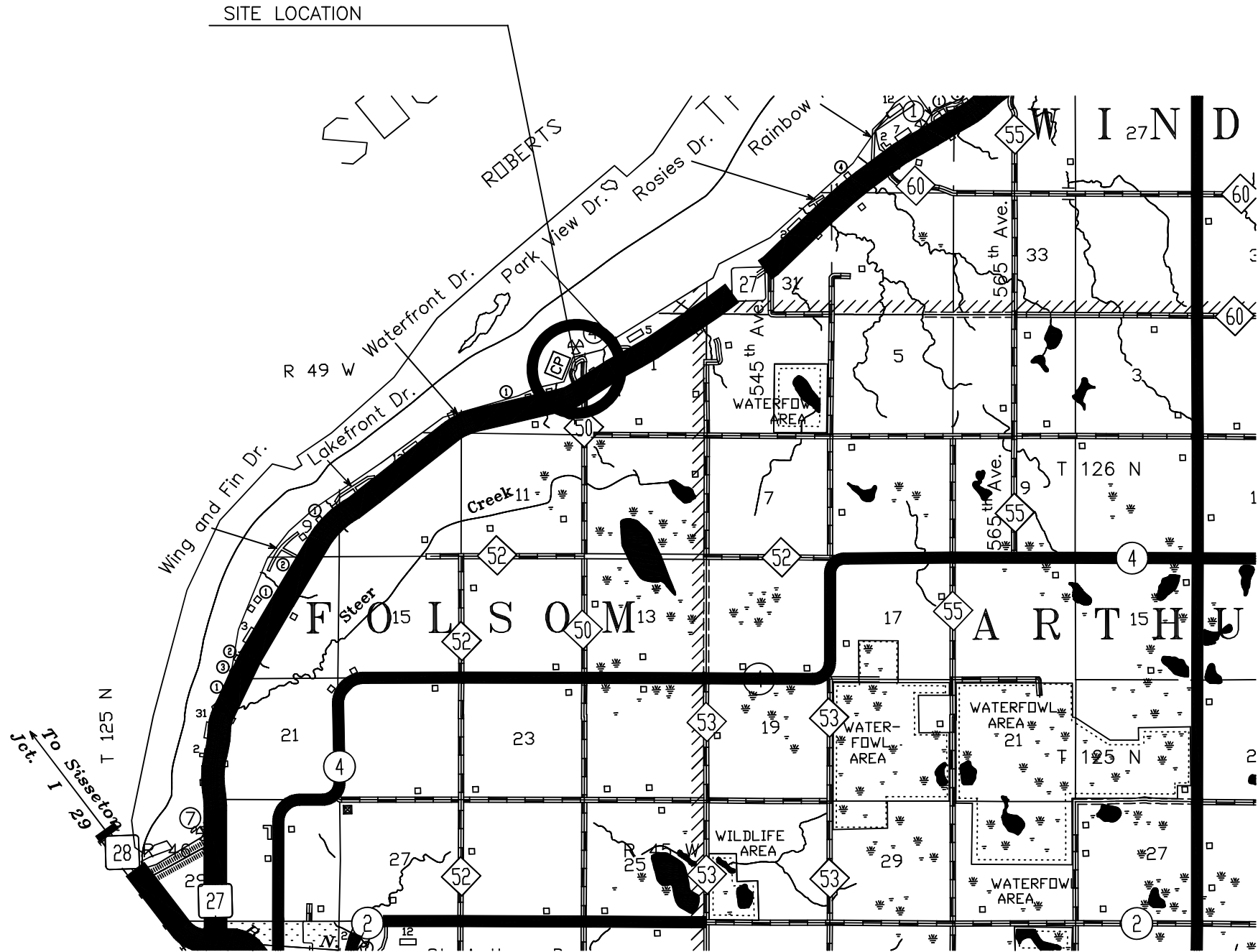
CONVENTIONAL SIGNS	
STATE LINE	
COUNTY LINE	
TOWNSHIP OR RANGE LINE	
SECTION LINE	
QUARTER LINE	
SIXTEENTH LINE	
RIGHT-OF-WAY LINE	
PRESENT RIGHT-OF-WAY LINE	
CONTROL OF ACCESS LINE	
PROPERTY LINE (Except Land Lines)	
VACATED PLATTED PROPERTY	
CORPORATE OR CITY LIMITS	
TRUNK HIGHWAY CENTER LINE	
RETAINING WALL	
RAILROAD	
RAILROAD RIGHT-OF-WAY LINE	
RIVER OR CREEK	
DRY RUN	
DRAINAGE DITCH	
ELECTRIC POWER LINE	
TELEPHONE OR TELEGRAPH LINE	
JOINT TELEPHONE AND POWER	
CONDUIT	
TELEPHONE CABLE-AERIAL	
TELEPHONE CABLE UNDERGROUND	
FIBER-OPTIC CABLE	
POWER CABLE UNDERGROUND	
GAS MAIN	
CULVERT	
DROP INLET	
GUARD RAIL	
BARBED WIRE FENCE	
WOVEN WIRE FENCE	
CHAIN LINK FENCE	
RAILROAD SNOW FENCE	
STONE WALL OR FENCE	
HEDGE	
WATER PIPE	
SEWER PIPE	
DRAIN TILE	
SPRINGS	
MARSH	
TIMBER	
ORCHARD	
BRUSH	
NURSERY	
TREE	
EVERGREEN	
BENCH MARK	
POWER BOX	
POWER PED.	
TELEPHONE PED.	
FIBER-OPTIC PED.	
TILE INLET	
CATCH BASIN	
MANHOLE	
FIRE HYDRANT	
STREET LIGHT	
RAILROAD CROSSING SIGN	
RAILROAD CROSSING BELL	
ELECTRIC WARNING SIGN	
CROSSING GATE	
CATTLE GUARD	
OVERPASS (Highway Over)	
UNDERPASS (Highway Under)	
BRIDGE	
BUILDING (One Story Frame)	
F-FRAME	
S-STONE	
B-BRICK	
C-CONCRETE	
T-TILE	
ST-STUCCO	
IRON PIPE OR ROD	
MONUMENT (STONE, CONCRETE, OR METAL)	
WOODEN HUB	
GRAVEL PIT	
SAND PIT	
ROCK QUARRY	
BORROW PIT	
MEANDER CORNER	



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

MINNESOTA DEPARTMENT OF TRANSPORTATION — TRAVERSE COUNTY —

CONSTRUCTION PLAN FOR TRAVERSE COUNTY PARK – WATER ACCESS SITE



MINN. PROJECT NO. _____

GOVERNING SPECIFICATIONS
THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION
"STANDARD SPECIFICATION OF CONSTRUCTION" SHALL GOVERN.

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SHEET NO. 2	– SWPPP
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SHEETS NO. 8	– DEMOLITION PLAN
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SHEET NO. 11	– CONSTRUCTION PLAN SURVEY POINTS
SHEET NO. 12	– CONSTRUCTION PLAN CONTOURS
SHEET NO. 13	– ROAD REALIGN PLAN
SHEET NO. 14	– EARTHWORK PLAN
SHEET NO. 15	– RAMP PLAN
SHEET NO. 16	– PAVEMENT MARKING PLAN
SHEET NO. 17	– PLANTING PLAN

THIS PLAN CONTAINS 17 SHEETS

MN DNR APPROVAL

Kent Skaar Digitally signed by Kent Skaar
Date: 2025.04.15 13:57:15 -05'00'

Division of Parks and Trails Date

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.

Approved Chad Gillespie Traverse County Engineer
Lic. No. 54560 Date 4-7-25

PROJECT NO. _____
PROJECT NO. _____ Sheet 1 of 17 Sheets

A. EROSION CONTROL NOTES

1. THE IMPLEMENTATION OF THESE EROSION CONTROL PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADE OF THESE EROSION CONTROL FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR'S EROSION CONTROL SUPERVISOR UNTIL ALL CONSTRUCTION IS APPROVED.
2. THE EROSION CONTROL FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO INSURE THAT SEDIMENT LADEN WATER DOES NOT LEAVE THE SITE OR VIOLATE APPLICABLE STANDARDS.
3. THE EROSION CONTROL FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS DURING THE CONSTRUCTION PERIOD. THESE EROSION CONTROL FACILITIES SHALL BE UPGRADED (E.G. ADDITIONAL SUMPS, RELOCATION OF DITCHES AND SILT FENCES, ETC.) AS NEEDED FOR CHANGING SITE CONDITIONS AND UNEXPECTED STORM EVENTS.
4. THE EROSION CONTROL FACILITIES SHALL BE INSPECTED WEEKLY BY THE CONTRACTOR, WITHIN 24 HOURS FOLLOWING A STORM EVENT GREATER THAN 0.5' IN 24 HOURS, AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
5. ALL INSPECTION AND MAINTENANCE CONDUCTED DURING CONSTRUCTION MUST BE RECORDED IN WRITING BY THE EROSION CONTROL SUPERVISOR AND THESE RECORDS MUST BE RETAINED ONSITE WITH THE SWPPP.
6. ANY AREA STRIPPED OF VEGETATION, INCLUDING ROADWAY RIGHT-OF-WAY, WHERE NO FURTHER WORK IS ANTICIPATED FOR A PERIOD OF 7 DAYS, SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED EROSION CONTROL METHODS, (E.G. MULCHING, NETTING, EROSION BLANKETS, ETC.)
7. ANY AREA REQUIRING EROSION CONTROL MEASURES NOT REQUIRING IMMEDIATE ATTENTION, SHALL BE ADDRESSED WITHIN 7 DAYS.
8. THE EROSION CONTROL FACILITIES ON INACTIVE AREAS OF THE SITE SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN 24 HOURS FOLLOWING A 0.5' STORM EVENT.
9. AT NO TIME SHALL MORE THAN ONE FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A BEST MANAGEMENT PRACTICE (BMP). ALL BMPS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO FINAL STABILIZATION; THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.
10. SILT FENCE SHALL BE REPAIRED OR REPLACED WHEN THE SEDIMENT TRAPPED BEHIND IT REACHES 1/3 THE TOTAL HEIGHT OF BMP.
11. WHERE SEEDING FOR TEMPORARY EROSION CONTROL IS REQUIRED, FAST GERMINATING GRASSES SHALL BE APPLIED AT AN APPROPRIATE RATE (E.G. ANNUAL OR PERENNIAL RYE APPLIED AT APPROXIMATELY 75 POUNDS PER ACRE). SEED MIX SHALL BE VERIFIED WITH THE COUNTY INSPECTOR PRIOR TO INSTALLATION.
12. SURFACE WATERS, DRAINAGE DITCHES, AND CONVEYANCE SYSTEMS SHALL BE INSPECTED FOR EVIDENCE OF SEDIMENT DEPOSITION AND EROSION; THE REMOVAL OF SEDIMENT AND STABILIZATION OF ERODED AREAS SHALL TAKE PLACE WITHIN 24 HOURS OF DISCOVERY UNLESS PRECLUDED BY LEGAL, REGULATORY, OR PHYSICAL ACCESS CONSTRAINTS.
13. STABILIZED CONSTRUCTION ENTRANCE LOCATIONS SHALL BE INSPECTED FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING ONTO PAVED SURFACES; TRACKED SEDIMENTS SHALL BE REMOVED FROM ALL OFF-SITE PAVED SURFACES WITHIN 24 HOURS OF DISCOVERY UNLESS PRECLUDED BY LEGAL, REGULATORY, OR PHYSICAL ACCESS CONSTRAINTS.
14. THE CONTRACTOR SHALL INSTALL PERIMETER CONTROL BMPS PRIOR TO COMMENCING CLEARING & GRUBBING ACTIVITIES AND SHALL MAINTAIN THE BMPS FOR THE DURATION OF CONSTRUCTION ACTIVITIES; UPON ESTABLISHMENT OF TURF THE CONTRACTOR SHALL REMOVE SILT FENCE AND DISPOSE OFF-SITE AT NO COST TO THE OWNER.
15. TEMPORARY SOIL STOCKPILES MUST HAVE SILT FENCE OR OTHER EFFECTIVE SEDIMENT CONTROLS, AND CANNOT BE PLACED IN SURFACE WATERS, INCLUDING STORMWATER CONVEYANCES SUCH AS CURB AND GUTTER SYSTEMS, OR CONDUITS OR DITCHES UNLESS THERE IS A BYPASS SYSTEM IN PLACE FOR THE STORMWATER.
16. ADJACENT STREETS SHALL BE SCRAPED CLEAN DAILY AND SWEEPED CLEAN WEEKLY AS REQUIRED.
17. THE CONTRACTOR SHALL CONFINE THEIR ACTIVITIES TO THE CONSTRUCTION LIMITS SHOWN ON THE GRADING PLAN; ALL CONSTRUCTION ACTIVITIES SHALL COMPLY WITH LOCAL ORDINANCES.

18. THE CONTRACTOR SHALL SCHEDULE THEIR OPERATIONS TO MINIMIZE THE DISTURBED AREA AT ANY GIVEN TIME.
19. ALL DISTURBED NON-PAVED AREAS SHALL BE RESTORED WITH A MINIMUM OF THREE INCHES (3") OF TOPSOIL AND SEED AS DIRECTED BY THE ENGINEER, WITHIN THE FOLLOWING: >3:1 SLOPE -2 DAYS, 3:1 TO 10:1 SLOPE 7 DAYS, < 10:1 SLOPE -14 DAYS, 200 LINEAL FEET TO SURFACE WATER -24 HOURS FOLLOWING COMPLETION OR SUSPENSION OF GRADING ACTIVITY IN THAT PARTICULAR AREA.

B. SWPPP NOTES

GENERAL PROJECT INFORMATION

PROJECT NARRATIVE

1. SITE WORK CONSTRUCTION CONSISTS OF REGRADING AN EXISTING WATER ACCESS; TO TREAT ALL WATER LEAVING THE PARKING LOT INTO TWO RETENTION PONDS. PONDS WILL BE CREATED FIRST TO PREVENT SILT FROM LEAVING THE SITE AND CLEANED AS NEEDED DURING CONSTRUCTION. SILT FENCE, BIO-ROLLS AND FLOATATION SILT CURTAIN WILL BE USED TO PREVENT SILT FROM LEAVING THE SITE.

RESPONSIBLE PARTIES

1. CONTRACTOR AND OWNER ARE REQUIRED TO APPLY FOR AND RECEIVE A NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) STORM WATER CONSTRUCTION PERMIT FROM THE MPCA AT LEAST 7 DAYS PRIOR TO BEGINNING WORK.
2. THE CONTRACTOR SHALL IDENTIFY AN EROSION CONTROL SUPERVISOR WHO SHALL BE PROPERLY TRAINED, KNOWLEDGEABLE, AND EXPERIENCED IN THE APPLICATION OF EROSION PREVENTION AND SEDIMENT CONTROL.
3. THE EROSION CONTROL SUPERVISOR SHALL WORK WITH THE COUNTY INSPECTOR TO OVERSEE THE IMPLEMENTATION OF THE SWPPP, AND THE INSTALLATION, INSPECTION, AND MAINTENANCE OF THE EROSION PREVENTION AND SEDIMENT CONTROL BMP's.
4. THE CONTRACTOR SHALL DEVELOP A CHAIN OF RESPONSIBILITY WITH ALL OPERATIONS ON THE SITE TO ENSURE THAT THE SWPPP WILL BE IMPLEMENTED AND STAY IN EFFECT UNTIL THE CONSTRUCTION IS COMPLETE, THE ENTIRE SITE HAS UNDERGONE FINAL STABILIZATION, A NOTICE OF TERMINATION (NOT) HAS BEEN SENT TO THE MPCA AND THE PROJECT HAS BEEN ACCEPTED BY THE OWNER.
5. THE CONTRACTOR SHALL PREPARE AND SUBMIT A WRITTEN, NOT ORAL, WEEKLY SCHEDULE OF PROPOSED EROSION CONTROL ACTIVITIES FOR THE COUNTY INSPECTOR'S APPROVAL.
6. THE CONTRACTOR SHALL PROVIDE FOR TEMPORARY AND PERMANENT EROSION PREVENTION AND SEDIMENT CONTROL BMPS AS SHOWN IN THE PLANS AND THEY SHALL BE KEPT IN A FUNCTIONAL CONDITION AT ALL TIMES THROUGHOUT CONSTRUCTION; THESE MEASURES MAY BE MODIFIED AS APPROPRIATE FOR CONSTRUCTION STAGING AS DIRECTED BY THE EROSION CONTROL SUPERVISOR OR THE PROJECT ENGINEER; THE CONTRACTOR SHALL REMAIN IN COMPLIANCE WITH ALL NPDES AND OTHER PERMIT REQUIREMENTS AT ALL TIMES.
7. CONTRACTOR SHALL CONTAIN ALL MATERIAL & FLUID FROM CONCRETE WASHOUT OPERATIONS THIS MATERIAL & FLUID SHALL BE DISPOSED OF OFF SITE. THIS MATERIAL SHALL NOT COME IN CONTACT WITH THE GROUND.
8. ANY FUEL OR CHEMICAL TANK STORED ON THE PROJECT AREA SHALL BE PROTECTED BY A SOIL BERM OR HAVE A NEGATIVE GRADIENT TO ANY WATER RESOURCE AREA; PER U.S.C.D.E REQUIREMENTS A CONTINGENCY PLAN SHALL BE CREATED BY THE CONTRACTOR TO ADDRESS A SPILL OR LEAK OF ANY CHEMICAL, INCLUDING PETROCHEMICALS, DEEMED HARMFUL TO THE ENVIRONMENT. THE CONTRACTOR SHALL HAVE ON SITE THE MATERIALS NECESSARY TO CAPTURE AND CONTAIN SAID CHEMICALS.
9. A WATER APPROPRIATIONS PERMIT WILL BE REQUIRED FROM MNDNR WATERS FO CONSTRUCTION DEWATERING EXCEEDING 10,000 GALLONS PER DAY, OR 1,000,000 GALLONS PER YEAR.
10. IN THE EVENT SEDIMENT IS DEPOSITED IN WATERS OF THE STATE OR PRIVATE PROPERTY, THE MATERIAL SHALL BE REMOVED WITHIN 24-HOURS IN ACCORDANCE WITH PART IV, E4, C OF OF THE NPDES PERMIT.

C. CONSTRUCTION SEQUENCE

1. ARRANGE AND ATTEND PRE-CONSTRUCTION MEETING WITH TRAVERSE COUNTY INSPECTOR, PROJECT ENGINEER, AND THE CONTRACTOR.
2. CONTRACTOR TO CONTACT UTILITY COMPANIES THAT MAY BE AFFECTED BY CONSTRUCTION, THE GOPHER STATE ONE CALL NUMBER IS 1-800-252-1166.
3. MAINTAIN ALL EXISTING UTILITIES DURING CONSTRUCTION.
4. TRAVERSE COUNTY TO ESTABLISH AND STAKE OUT CONTROL POINTS FOR WORK; STAKE GRUBBING AND CONSTRUCTION LIMITS.
5. INSTALL SILT FENCE AND PONDS TO MAINTAIN SITE DURING CONSTRUCTION. POND SHALL BE CLEANED OUT AFTER CONSTRUCTION.
6. GRADE AND STABILIZE SITE PER APPLICABLE PERMITS AND CONTRACT DOCUMENTS.
7. REMOVE EXCESS EXCAVATED MATERIALS, TRASH DEBRIS, AND WASTE MATERIALS; DISPOSE OF IN AUTHORIZED LOCATION AT NO COST TO OWNER.
8. REMOVE TEMPORARY EROSION CONTROL MEASURES ONCE SITE IS DETERMINED STABILIZED BY CONTRACTOR AND TRAVERSE COUNTY.

D. AREAS WITH POTENTIAL FOR SEDIMENT TO LEAVE CONSTRUCTION SITE

1. AN INFILTRATION BASIN WILL BE UTILIZED AS SEDIMENT RETENTION DURING THE PROJECT. SILT FENCE WILL BE USED ALONG THE LAKE AND AROUND THE ENTIRE PARKING LOT. A FLOATATION SILT CURTAIN WILL BE USED TO CONTAIN THE RAMP AREA.

TRAVERSE COUNTY	CHAD GILLESPIE	(320)563-4848
OWNER:	CONTACT:	PHONE:
DESIGN OF CONSTRUCTION SWPPP	CHAD GILLESPIE	U OF M 2027
CONSTRUCTION SITE MANAGEMENT		U OF M 2027
CERTIFICATION	PERSONNEL	CERTIFYING BODY EXPIRATION
DESIGN OF CONSTRUCTION SWPPP	MIKE DOLL	U OF M 2026
CONSTRUCTION SITE MANAGEMENT		U OF M 2027
CERTIFICATION	PERSONNEL	CERTIFYING BODY EXPIRATION
TBD	CONTRACTOR	TBD
CERTIFICATION	PERSONNEL	CERTIFYING BODY EXPIRATION
PROJECT AREA:		
TOTAL PROJECT SIZE (DISTURBED) AREA = 0.91 ACRES MINIMUM AREA REQUIRING MPCA PERMIT = 1.00 ACRES EXISTING AREA OF IMPERVIOUS SURFACE = 0.25 ACRES POST CONSTRUCTION AREA OF IMPERVIOUS SURFACE = 0.77 ACRES TOTAL NEW IMPERVIOUS SURFACE AREA = 0.52 ACRES MINIMUM AREA OF NEW IMPERVIOUS SURFACE AREA CREATED REQUIRING PERMANENT STORM WATER MANAGEMENT = 1.00 ACRES		
RECEIVING WATERS:		
SURFACE WATERS WHICH WILL RECEIVE STORM WATER FROM THE SITE WITHIN 1 MILE OF THE PROJECT BOUNDARY. INCLUDE WATERS INDICATED IN THE PERMIT AND ALSO BELOW.		
NAME: TRAVERSE LAKE	TYPE: LAKE	SPECIAL WATER: NO

STORM WATER PREVENTION PLAN

CERTIFIED BY



CHAD GILLESPIE Traverse County Engineer

54560 4-7-25

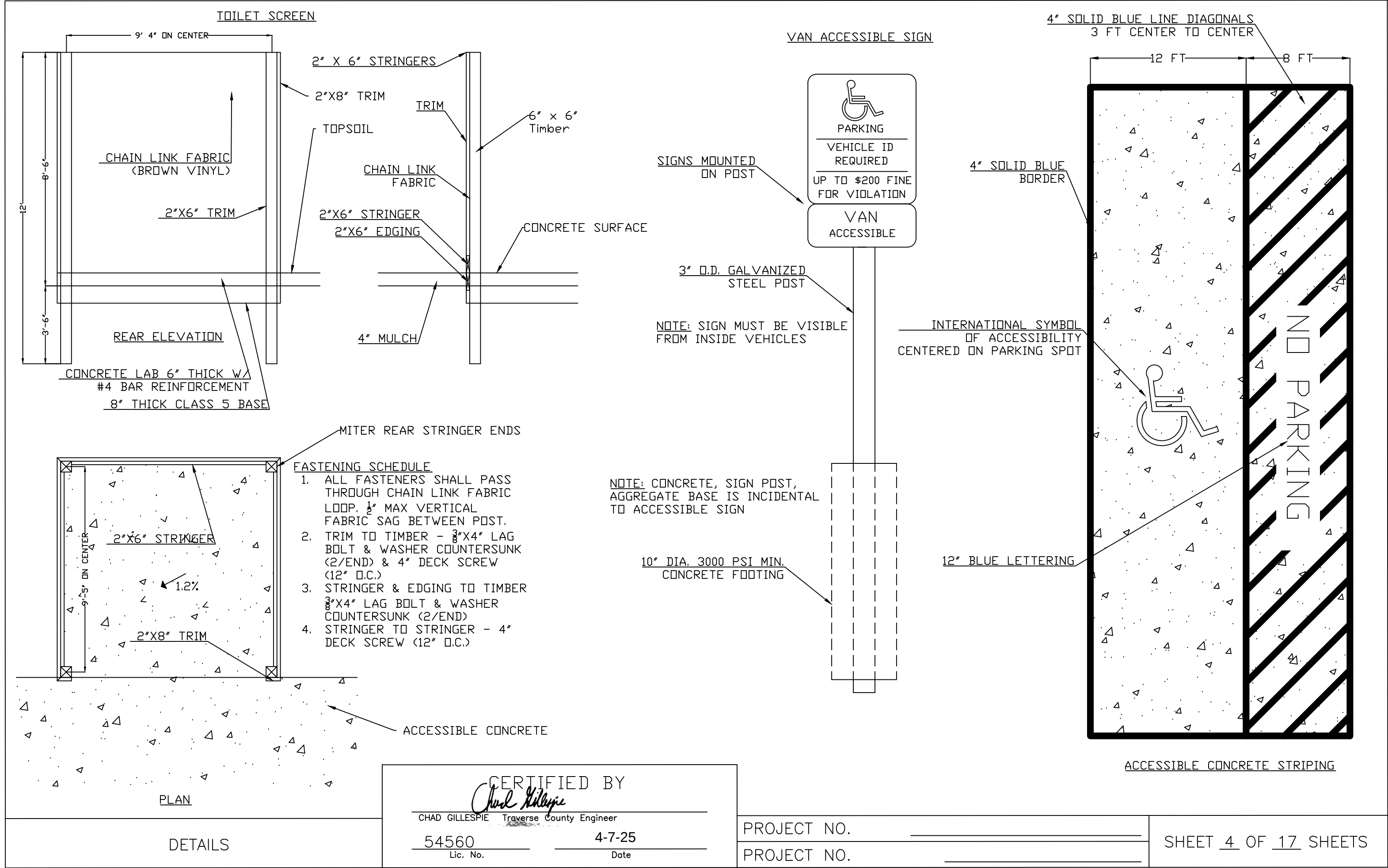
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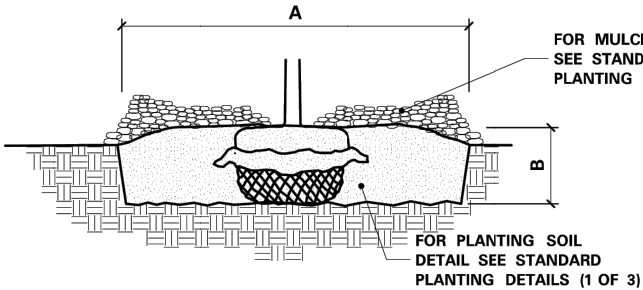
PROJECT NO.

PROJECT NO.

SHEET 2 OF 17 SHEETS

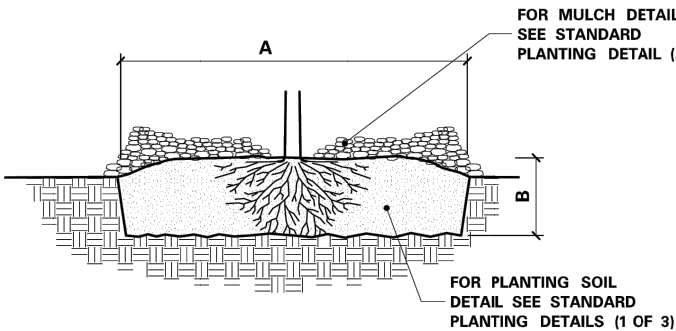
	<table><thead><tr><th>Note</th><th>ITEM NUMBER</th><th>ITEM</th><th>UNIT</th><th>TOTAL ESTIMATED QUANTITY</th></tr></thead><tbody><tr><td>1</td><td>2021.501</td><td>Mobilization</td><td>Lump Sum</td><td>1.0</td></tr><tr><td>2</td><td>2051.501</td><td>Maint. & Restoration of Haul Roads</td><td>Lump Sum</td><td>1.0</td></tr><tr><td>3</td><td>2103.501</td><td>Building Removal</td><td>Lump Sum</td><td>1.0</td></tr><tr><td>4</td><td>2104.607</td><td>Salvage Random Riprap</td><td>CY</td><td>170.0</td></tr><tr><td>5</td><td>2104.607</td><td>Salvage Aggregate Surfacing</td><td>SY</td><td>2,315.0</td></tr><tr><td>6</td><td>2105.607</td><td>Rock Excavation (P)</td><td>Lump Sum</td><td>1.0</td></tr><tr><td>7</td><td>2105.607</td><td>Select Granular Borrow (LV)</td><td>CY</td><td>10.0</td></tr><tr><td>8</td><td>2106.507</td><td>(P) Excavation-Common</td><td>CY</td><td>4065 (P)</td></tr><tr><td>9</td><td>2106.507</td><td>(P) Common Embankment (CV)</td><td>CY</td><td>807 (P)</td></tr><tr><td>10</td><td>2108.504</td><td>Geotextile Type 5</td><td>SY</td><td>4,200.0</td></tr><tr><td>11</td><td>2211.509</td><td>Aggregate Base Class 5</td><td>Ton</td><td>1,377.0</td></tr><tr><td>12</td><td>2360.509</td><td>Type SP 9.5 Wearing Course Mixture (3,C)</td><td>Ton</td><td>806.0</td></tr><tr><td>13</td><td>2511.502</td><td>Quarry Run Riprap Class II</td><td>Ton</td><td>80.0</td></tr><tr><td>14</td><td>2531.503</td><td>Concrete Curb & Gutter Design B612</td><td>LF</td><td>382.0</td></tr><tr><td>15</td><td>2531.504</td><td>6" Concrete Driveway Pavement</td><td>SY</td><td>579.0</td></tr><tr><td>16</td><td>2545.601</td><td>Relocate Buried Power Cable</td><td>Lump Sum</td><td>1.0</td></tr><tr><td>17</td><td>2563.601</td><td>Traffic Control</td><td>Lump Sum</td><td>1.0</td></tr><tr><td>18</td><td>2573.501</td><td>Erosion Control Supervisor</td><td>Lump Sum</td><td>1.0</td></tr><tr><td>19</td><td>2573.502</td><td>Silt Fence, Type PA</td><td>LF</td><td>1,230.0</td></tr><tr><td>20</td><td>2573.503</td><td>Sediment Control Log Type Straw</td><td>LF</td><td>1,215.0</td></tr><tr><td>21</td><td>2573.505</td><td>Flotation Silt Curtain Type Still Water</td><td>LF</td><td>200.0</td></tr><tr><td>22</td><td>2574.505</td><td>Soil Bed Preparation</td><td>Acre</td><td>0.91</td></tr><tr><td>23</td><td>2574.508</td><td>Fertilizer Type 3</td><td>Pound</td><td>364.0</td></tr><tr><td>24</td><td>2575.504</td><td>Rolled Erosion Prevention Category 10</td><td>SY</td><td>440.0</td></tr><tr><td>25</td><td>2575.505</td><td>Seeding</td><td>Acre</td><td>0.91</td></tr><tr><td>26</td><td>2575.508</td><td>Seed Mixture 33-261</td><td>Pound</td><td>32.0</td></tr><tr><td>27</td><td>2575.508</td><td>Seed Mixture 25-131</td><td>Pound</td><td>201.0</td></tr><tr><td>28</td><td>2575.605</td><td>Mulch Material Type 1</td><td>Acre</td><td>0.91</td></tr><tr><td>29</td><td>SP</td><td>Salvage & Install Light pole</td><td>Each</td><td>1.0</td></tr><tr><td>30</td><td>SP</td><td>Remove Light Pole</td><td>Each</td><td>1.0</td></tr><tr><td>31</td><td>SP</td><td>New Light</td><td>Each</td><td>1.0</td></tr><tr><td>32</td><td>SP</td><td>Pavement Markings</td><td>Lump Sum</td><td>1.0</td></tr><tr><td>33</td><td>SP</td><td>Toilet Screen</td><td>Lump Sum</td><td>1.0</td></tr><tr><td>34</td><td>SP</td><td>Red Osier Dogwood</td><td>Each</td><td>8.0</td></tr><tr><td>35</td><td>SP</td><td>American Bittersweet</td><td>Each</td><td>8.0</td></tr><tr><td>36</td><td>SP</td><td>Basswood</td><td>Each</td><td>6.0</td></tr><tr><td>37</td><td>SP</td><td>Burr Oak</td><td>Each</td><td>5.0</td></tr><tr><td>38</td><td>SP</td><td>Unload & Install Small Planks and Large Planks</td><td>LS</td><td>1.0</td></tr><tr><td>39</td><td>SP</td><td>Precast Concrete Curb Sections</td><td>Each</td><td>5.0</td></tr><tr><td>40</td><td>SP</td><td>2" to 2 1/2" Rock w/Grading & Placement (Ramp & Base)</td><td>Ton</td><td>42.0</td></tr><tr><td>41</td><td>SP</td><td>Rock Entrance</td><td>Lump Sum</td><td>1.0</td></tr><tr><td colspan="4">(P) Indicates Plan Quantity</td><td></td></tr></tbody></table>	Note	ITEM NUMBER	ITEM	UNIT	TOTAL ESTIMATED QUANTITY	1	2021.501	Mobilization	Lump Sum	1.0	2	2051.501	Maint. & Restoration of Haul Roads	Lump Sum	1.0	3	2103.501	Building Removal	Lump Sum	1.0	4	2104.607	Salvage Random Riprap	CY	170.0	5	2104.607	Salvage Aggregate Surfacing	SY	2,315.0	6	2105.607	Rock Excavation (P)	Lump Sum	1.0	7	2105.607	Select Granular Borrow (LV)	CY	10.0	8	2106.507	(P) Excavation-Common	CY	4065 (P)	9	2106.507	(P) Common Embankment (CV)	CY	807 (P)	10	2108.504	Geotextile Type 5	SY	4,200.0	11	2211.509	Aggregate Base Class 5	Ton	1,377.0	12	2360.509	Type SP 9.5 Wearing Course Mixture (3,C)	Ton	806.0	13	2511.502	Quarry Run Riprap Class II	Ton	80.0	14	2531.503	Concrete Curb & Gutter Design B612	LF	382.0	15	2531.504	6" Concrete Driveway Pavement	SY	579.0	16	2545.601	Relocate Buried Power Cable	Lump Sum	1.0	17	2563.601	Traffic Control	Lump Sum	1.0	18	2573.501	Erosion Control Supervisor	Lump Sum	1.0	19	2573.502	Silt Fence, Type PA	LF	1,230.0	20	2573.503	Sediment Control Log Type Straw	LF	1,215.0	21	2573.505	Flotation Silt Curtain Type Still Water	LF	200.0	22	2574.505	Soil Bed Preparation	Acre	0.91	23	2574.508	Fertilizer Type 3	Pound	364.0	24	2575.504	Rolled Erosion Prevention Category 10	SY	440.0	25	2575.505	Seeding	Acre	0.91	26	2575.508	Seed Mixture 33-261	Pound	32.0	27	2575.508	Seed Mixture 25-131	Pound	201.0	28	2575.605	Mulch Material Type 1	Acre	0.91	29	SP	Salvage & Install Light pole	Each	1.0	30	SP	Remove Light Pole	Each	1.0	31	SP	New Light	Each	1.0	32	SP	Pavement Markings	Lump Sum	1.0	33	SP	Toilet Screen	Lump Sum	1.0	34	SP	Red Osier Dogwood	Each	8.0	35	SP	American Bittersweet	Each	8.0	36	SP	Basswood	Each	6.0	37	SP	Burr Oak	Each	5.0	38	SP	Unload & Install Small Planks and Large Planks	LS	1.0	39	SP	Precast Concrete Curb Sections	Each	5.0	40	SP	2" to 2 1/2" Rock w/Grading & Placement (Ramp & Base)	Ton	42.0	41	SP	Rock Entrance	Lump Sum	1.0	(P) Indicates Plan Quantity					<table><thead><tr><th>Notes</th></tr></thead><tbody><tr><td>3. Old Picnic Shelter - Concrete from building removal will be brought to a County Pit approximetly 3 miles west of Wheaton, MN. Wood and Steel structure was removed by County Forces and relocated.</td></tr><tr><td>4. Salvage riprap from shoreline work for ramp and rock excavation will be used at the direction of Traverse County</td></tr><tr><td>5. Salvage Aggregate Surfacing will be used at the bottom of the base or the first lift of aggregate that is put down.</td></tr><tr><td>6. Rocks have been encountered during previous excavations at the park. All needed rocks must be excavated and Traverse County will direct the contractor where to place them on the property.</td></tr><tr><td>7. This item is just to establish a unit price. It is not expected to be needed. See sheet 7.</td></tr><tr><td>8 & 9. See sheets 13 & 14. Plan quanity includes all excavation and embankment needed for parking lot and road realignment. 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Note	ITEM NUMBER	ITEM	UNIT	TOTAL ESTIMATED QUANTITY																																																																																																																																																																																																																																						
1	2021.501	Mobilization	Lump Sum	1.0																																																																																																																																																																																																																																						
2	2051.501	Maint. & Restoration of Haul Roads	Lump Sum	1.0																																																																																																																																																																																																																																						
3	2103.501	Building Removal	Lump Sum	1.0																																																																																																																																																																																																																																						
4	2104.607	Salvage Random Riprap	CY	170.0																																																																																																																																																																																																																																						
5	2104.607	Salvage Aggregate Surfacing	SY	2,315.0																																																																																																																																																																																																																																						
6	2105.607	Rock Excavation (P)	Lump Sum	1.0																																																																																																																																																																																																																																						
7	2105.607	Select Granular Borrow (LV)	CY	10.0																																																																																																																																																																																																																																						
8	2106.507	(P) Excavation-Common	CY	4065 (P)																																																																																																																																																																																																																																						
9	2106.507	(P) Common Embankment (CV)	CY	807 (P)																																																																																																																																																																																																																																						
10	2108.504	Geotextile Type 5	SY	4,200.0																																																																																																																																																																																																																																						
11	2211.509	Aggregate Base Class 5	Ton	1,377.0																																																																																																																																																																																																																																						
12	2360.509	Type SP 9.5 Wearing Course Mixture (3,C)	Ton	806.0																																																																																																																																																																																																																																						
13	2511.502	Quarry Run Riprap Class II	Ton	80.0																																																																																																																																																																																																																																						
14	2531.503	Concrete Curb & Gutter Design B612	LF	382.0																																																																																																																																																																																																																																						
15	2531.504	6" Concrete Driveway Pavement	SY	579.0																																																																																																																																																																																																																																						
16	2545.601	Relocate Buried Power Cable	Lump Sum	1.0																																																																																																																																																																																																																																						
17	2563.601	Traffic Control	Lump Sum	1.0																																																																																																																																																																																																																																						
18	2573.501	Erosion Control Supervisor	Lump Sum	1.0																																																																																																																																																																																																																																						
19	2573.502	Silt Fence, Type PA	LF	1,230.0																																																																																																																																																																																																																																						
20	2573.503	Sediment Control Log Type Straw	LF	1,215.0																																																																																																																																																																																																																																						
21	2573.505	Flotation Silt Curtain Type Still Water	LF	200.0																																																																																																																																																																																																																																						
22	2574.505	Soil Bed Preparation	Acre	0.91																																																																																																																																																																																																																																						
23	2574.508	Fertilizer Type 3	Pound	364.0																																																																																																																																																																																																																																						
24	2575.504	Rolled Erosion Prevention Category 10	SY	440.0																																																																																																																																																																																																																																						
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28	2575.605	Mulch Material Type 1	Acre	0.91																																																																																																																																																																																																																																						
29	SP	Salvage & Install Light pole	Each	1.0																																																																																																																																																																																																																																						
30	SP	Remove Light Pole	Each	1.0																																																																																																																																																																																																																																						
31	SP	New Light	Each	1.0																																																																																																																																																																																																																																						
32	SP	Pavement Markings	Lump Sum	1.0																																																																																																																																																																																																																																						
33	SP	Toilet Screen	Lump Sum	1.0																																																																																																																																																																																																																																						
34	SP	Red Osier Dogwood	Each	8.0																																																																																																																																																																																																																																						
35	SP	American Bittersweet	Each	8.0																																																																																																																																																																																																																																						
36	SP	Basswood	Each	6.0																																																																																																																																																																																																																																						
37	SP	Burr Oak	Each	5.0																																																																																																																																																																																																																																						
38	SP	Unload & Install Small Planks and Large Planks	LS	1.0																																																																																																																																																																																																																																						
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ESTIMATED QUANTITIES	CERTIFIED BY  CHAD GILLESPIE - Traverse County Engineer 545604-7-25 Lic. No.Date	PROJECT NO. _____	SHEET <u>3</u> OF <u>17</u> SHEETS																																																																																																																																																																																																																																							
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1. SCARIFY SIDES AND BOTTOM OF HOLE.
2. PROCEED WITH CORRECTIVE PRUNING.
3. SET PLANT ON UNDISTURBED NATIVE SOIL OR THOROUGHLY COMPACTED PLANTING SOIL. PLACE PLANT SO THE ROOT FLARE IS AT OR UP TO 2" ABOVE THE FINISHED GRADE WITH BURLAP AND WIRE BASKET, (IF USED), INTACT.
4. SLIT REMAINING TREATED BURLAP AT 6" INTERVALS.
5. BACKFILL TO WITHIN APPROXIMATELY 12" OF THE TOP OF THE ROOTBALL, THEN WATER PLANT.
6. REMOVE THE TOP 1/3 OF THE BASKET OR THE TOP TWO HORIZONTAL RINGS WHICHEVER IS GREATER. REMOVE ALL BURLAP AND NAILS FROM THE TOP 1/3 OF THE BALL. REMOVE ALL TWINE. REMOVE OR CORRECT STEM GIRDLING ROOTS.
7. PLUMB AND BACKFILL WITH PLANTING SOIL.
8. WATER THOROUGHLY WITHIN 2 HOURS TO SETTLE PLANTS AND FILL VOIDS.
9. BACK FILL VOIDS AND WATER A SECOND TIME.
10. PLACE MULCH WITHIN 48 HOURS OF THE SECOND WATERING UNLESS SOIL MOISTURE IS EXCESSIVE.

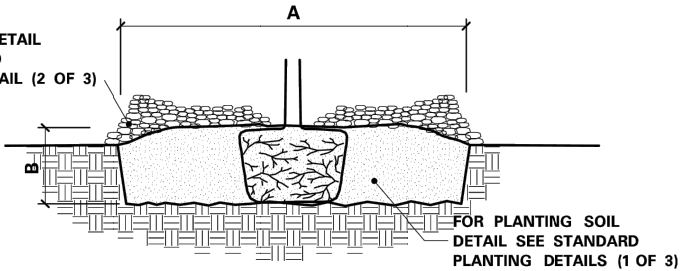
BALLED & BURLAPPED STOCK



1. SOAK ROOTS IN WATER FOR AT LEAST ONE HOUR BUT NOT MORE THAN 24 HOURS PRIOR TO PLANTING.
2. SCARIFY SIDES AND BOTTOM OF HOLE.
3. PROCEED WITH CORRECTIVE PRUNING OF THE TOP AND ROOTS.
4. TRANSFER PLANT DIRECTLY FROM WATER TO HOLE. SET PLANT SO THE ROOT FLARE IS AT THE FINISHED SOIL ELEVATION. SPREAD ROOTS OUT EVENLY. PLUMB AND IMMEDIATELY BACKFILL WITH PLANTING SOIL.
5. WATER THOROUGHLY WITHIN 2 HOURS TO SETTLE PLANTS AND FILL VOIDS.
6. BACK FILL VOIDS AND WATER A SECOND TIME.
7. PLACE MULCH WITHIN 48 HOURS OF THE SECOND WATERING UNLESS SOIL MOISTURE IS EXCESSIVE.

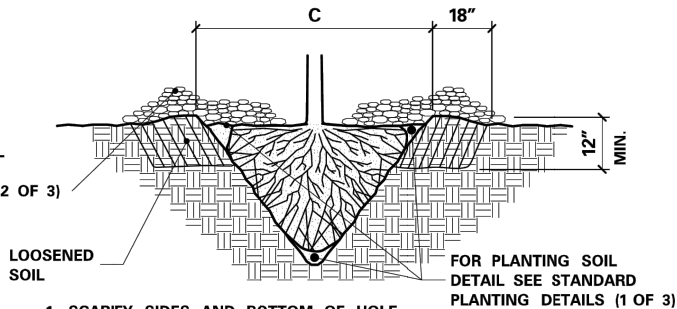
BARE ROOT STOCK

INSTALLATION OF PLANTS



1. SCARIFY SIDES AND BOTTOM OF HOLE.
2. PROCEED WITH CORRECTIVE PRUNING OF TOP AND ROOT.
3. REMOVE CONTAINER AND SCORE OUTSIDE OF SOIL MASS TO REDIRECT AND PREVENT CIRCLING FIBROUS ROOTS. REMOVE OR CORRECT STEM GIRDLING ROOTS.
4. SET PLANT ON UNDISTURBED NATIVE SOIL OR THOROUGHLY COMPACTED PLANTING SOIL. INSTALL PLANT SO THE TOP OF THE ROOT FLARE IS AT OR UP TO 2" ABOVE THE FINISHED GRADE.
5. PLUMB AND BACKFILL WITH PLANTING SOIL.
6. WATER THOROUGHLY WITHIN 2 HOURS TO SETTLE PLANT AND FILL VOIDS.
7. BACK FILL VOIDS AND WATER A SECOND TIME.
8. PLACE MULCH WITHIN 48 HOURS OF THE SECOND WATERING UNLESS SOIL MOISTURE IS EXCESSIVE.

CONTAINER STOCK



1. SCARIFY SIDES AND BOTTOM OF HOLE.
2. PROCEED WITH CORRECTIVE PRUNING.
3. SET PLANT ON NATIVE SOIL AT SAME DEPTH AS IT WAS PREVIOUSLY GROWN.
4. PLUMB AND BACKFILL WITH PLANTING SOIL.
5. AFTER PLANTING, LOOSEN THE SOIL IMMEDIATELY ADJACENT TO THE ROOT BALL TO A MINIMUM DISTANCE OF 18" AND A MINIMUM DEPTH OF 12".
6. WATER THOROUGHLY WITHIN 2 HOURS TO SETTLE PLANT AND FILL VOIDS.
7. BACK FILL VOIDS AND WATER A SECOND TIME.
8. PLACE MULCH WITHIN 48 HOURS OF THE SECOND WATERING UNLESS SOIL MOISTURE IS EXCESSIVE.

MINIMUM TREE SPADE SIZE REQUIREMENTS

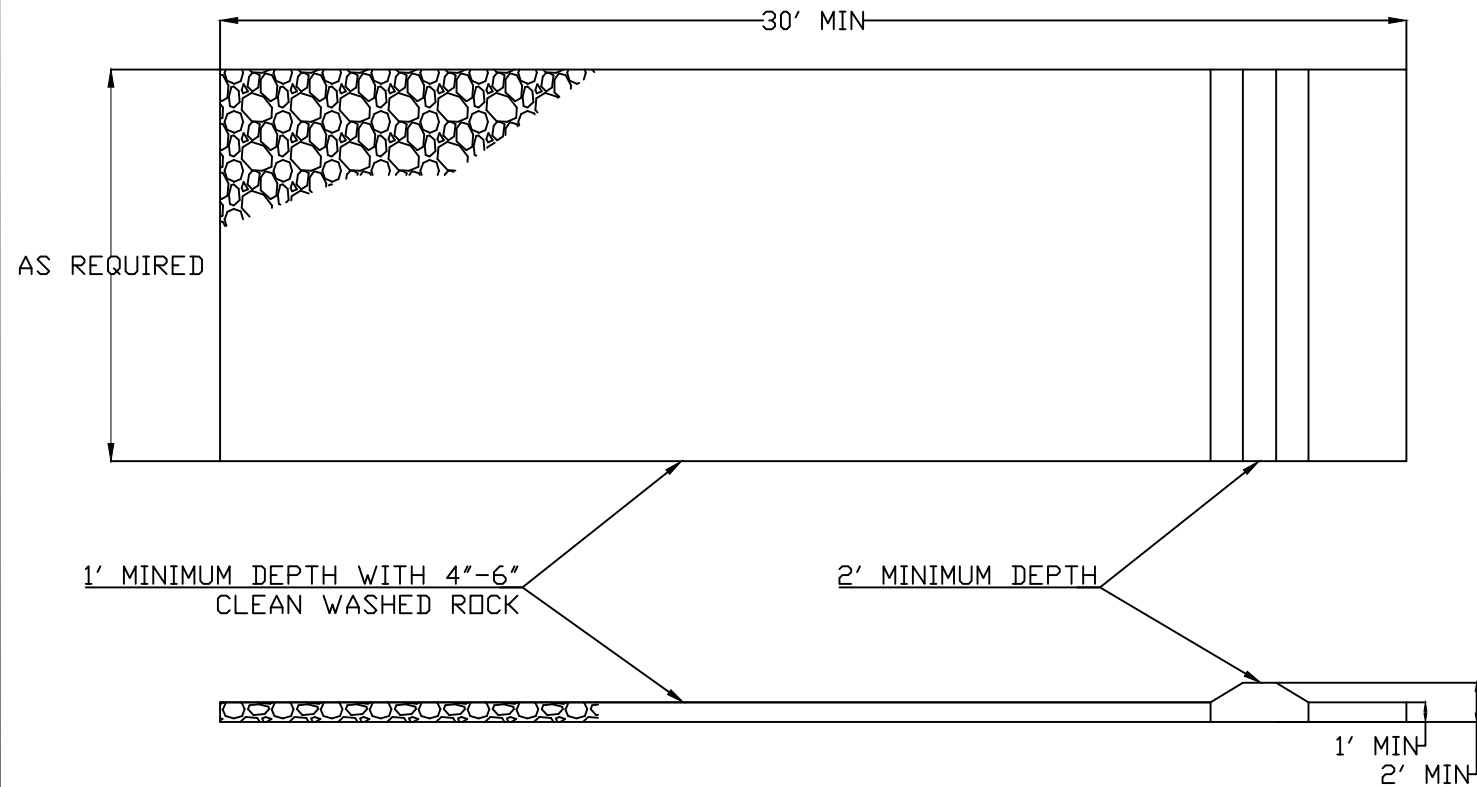
(C) SPADE DIAMETER SIZE	OAK TREE, CALIPER	DECIDUOUS / ORNAMENTAL TREE, CALIPER	CONIFEROUS TREE, HEIGHT
42"	1" to 1.5"	2" to 3"	5' to 7'
60"	1.5" to 2.5"	3" to 4"	7' to 9'
78"	2.5" to 3.5"	4" to 6"	9' to 14'
85"	3.5" to 5"	6" to 8"	14' to 18'

MACHINE MOVED STOCK

PLANTING HOLE DIMENSIONS

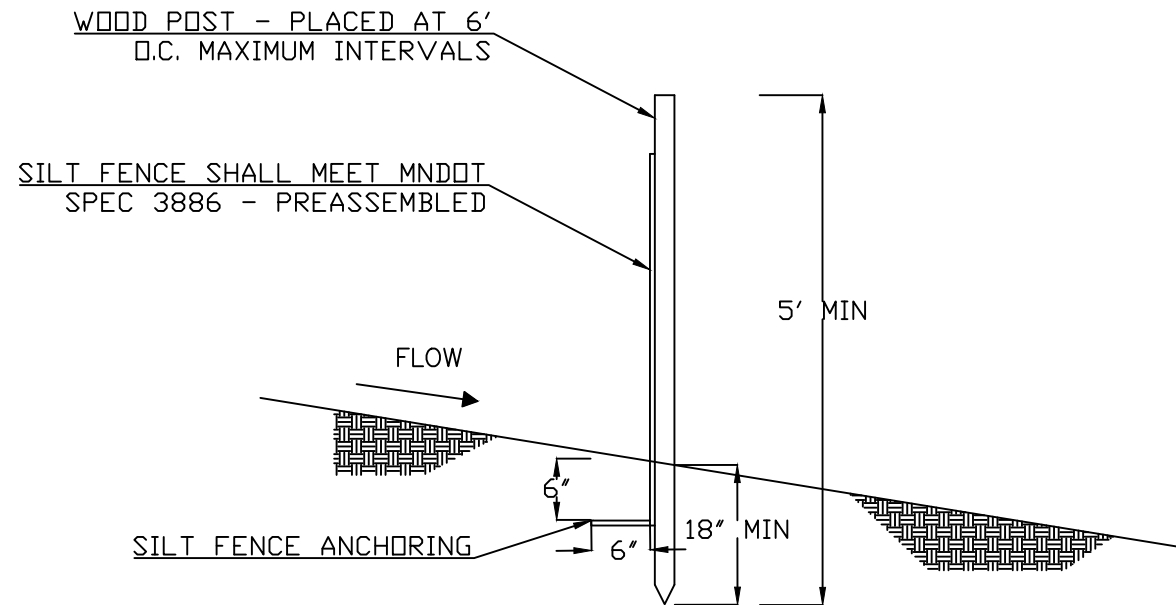
HOLE DEPTH FOR B&B AND CONTAINER PLANTS SHALL NOT EXCEED MEASUREMENT FROM ROOT FLARE TO BOTTOM OF SOIL BALL.

PLANT TYPE	PLANT SIZE UP TO AND INCLUDING	(A) MINIMUM HOLE WIDTH	(B) APPROXIMATE HOLE DEPTH
CONIFEROUS TREES AT LEAST 2/3 OF ALL CONIFER BRANCHES WILL CONTAIN TERMINAL BUDS	2' B.B.	36"	10"
	3' B.B.	42"	11"
	4' B.B.	51"	13"
	5' B.B.	60"	13"
	6' B.B.	66"	15"
	7' B.B.	72"	16"
	8' B.B.	81"	18"
	9' B.B.	90"	20"
	10' B.B.	102"	21"
	12' B.B.	114"	24"
CONIFEROUS SHRUBS (UPRIGHT)	18" B.B.	24"	7"
CONIFEROUS SHRUBS (SPREADING)	3' B.B.	48"	12"
	18" SPR B.B.	30"	8"
	2' SPR B.B.	36"	9"
CONTAINER GROWN PLANTS	CELLPACKS / PLUGS	6"	2.5"
	2.25" CONT.	7"	3"
	3.5" CONT.	10"	3"
	4" CONT.	11"	4"
	4.5" CONT.	13"	4"
	6"1 QT CONT.	15"	5.5"
	1# CONT.	18"	6"
	2# CONT.	23"	7.5"
	3# CONT.	29"	8.5"
	5# CONT.	30"	11"
	7# CONT.	37"	11"
	15# CONT.	44"	14"
	10# CONT.	45"	15"
	20# CONT.	60"	16"
	25# CONT.	72"	17"
SEEDLINGS	6" SEEDLING	15"	14"
	9" SEEDLING	18"	14"
	12" SEEDLING	23"	16"
	18" SEEDLING	30"	16"
	2' SEEDLING	36"	18"
VINES	1 YR. MED B.R.	15"	11"
	1 YR. NO. 1 B.R.	17"	14"
	2 YR. MED. B.R.	33"	12"
	2 YR. NO. 1 B.R.	42"	15"



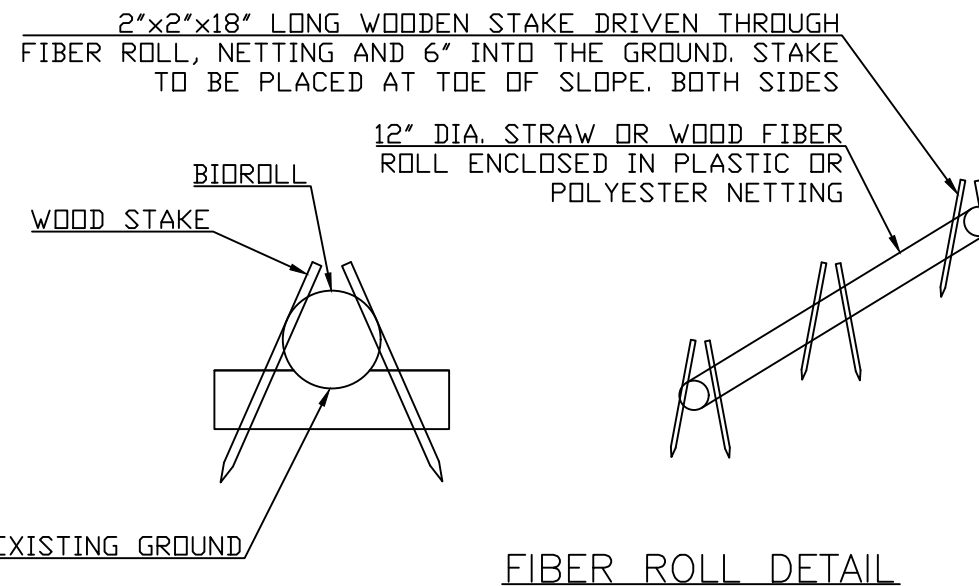
ROCK ENTRANCE DETAIL

1. ROCK CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED PRIOR TO BEGINNING OF CONSTRUCTION ACTIVITY
2. AGGREGATE SHALL BE CLEANED, MAINTAINED, OR REPLENISHED AS NECESSARY
3. SILT, DIRT, AND MUD TRACKED ONTO ADJACENT ROADS



SILT FENCE DETAIL

1. SILT SHALL BE REMOVED WHEN IT REACHES HALF THE FENCE HEIGHT
2. CONTRACTOR SHALL NOT REMOVE FENCE UNTIL DIRECTED BY THE TRAVERSE COUNTY
3. FENCE REMOVAL SHALL CONSIDERED INCIDENTAL



FIBER ROLL DETAIL

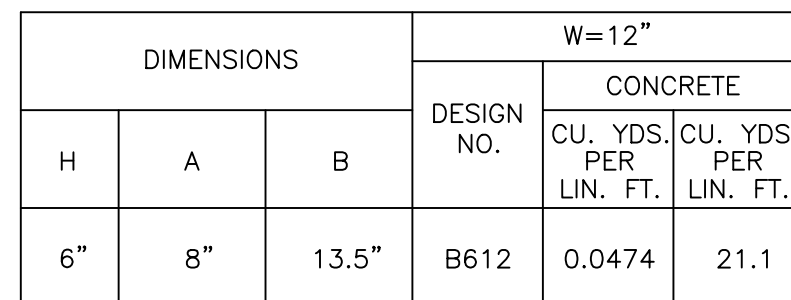
DETAILS

CERTIFIED BY

 CHAD GILLESPIE Traverse County Engineer
 54560 4-7-25
 Lic. No. Date

PROJECT NO. _____
 PROJECT NO. _____

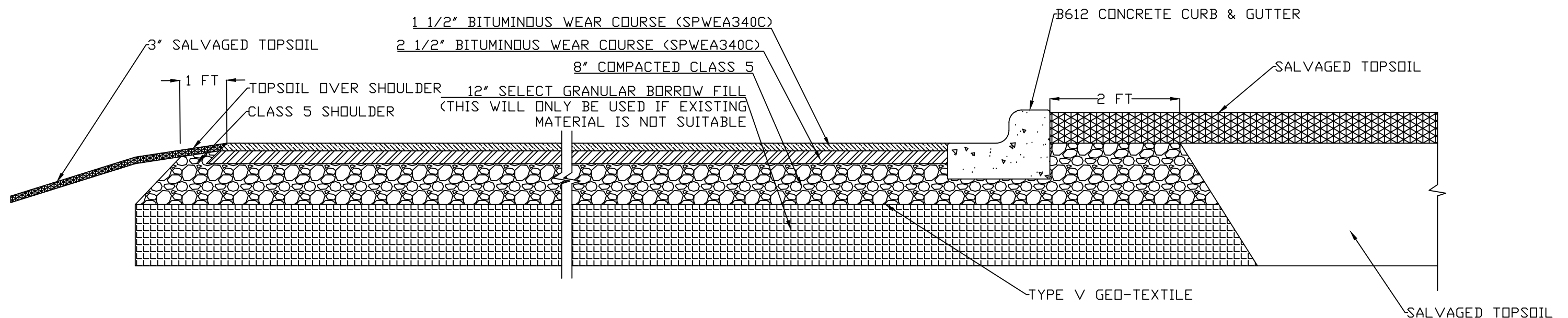
SHEET 6 OF 17 SHEETS



1. CONCRETE SHALL BE 4,000 PSI, TOOL EDGES, 1/2" EXPANSION JOINT EVERY 50'
2. SURFACE SHALL BE LUSH WITH ADJACENT PAVED SURFACES UNLESS NOTED OTHERWISE
3. SLOPES IN ANY DIRECTION SHALL BE A MINIMUM 1.2% SLOPE OR AS SHOWN ON DRAWING
4. MEASUREMENT OF MAXIMUM RUNNING GRADE SHALL BE MADE WITH A 4' LEVEL.

TYPICAL NOTES

1. SALVAGED TOPSOIL WILL BE USED TO FILL IN THE EXCAVATED AREA IN TREE PLANTING AND GRASS ISLANDS
2. CLASS 5 AND GEOTEXTILE WILL EXTEND 2 FT PAST THE CURB & GUTTER BUT WILL NOT BE UNDER ISLANDS
3. EXCAVATION FOR SELECT GRANULAR WILL ONLY BE DONE IF EXISTING MATERIAL IS NOT SUITABLE. DEPTH OF CUT WILL BE DECIDED BY TRAVERSE COUNTY IF IT IS NEEDED BUT WILL NOT EXCEED 12”.
4. CONTRACTOR MAY PRESENT A BITUMINOUS SUBSTITUTION FOR APPROVAL. SUBSTITUTION MUST BE A MNDOT APPROVED MIX DESIGN WITH "C" OIL PG 58h-34.



TYPICAL SECTION AND CURB & GUTTER

CERTIFIED BY

Chad Gillespie

CHAD GILLESPIE Traverse County Engineer

54560 4-7-25

Lic. No. Date

PROJECT NO. _____
PROJECT NO. _____

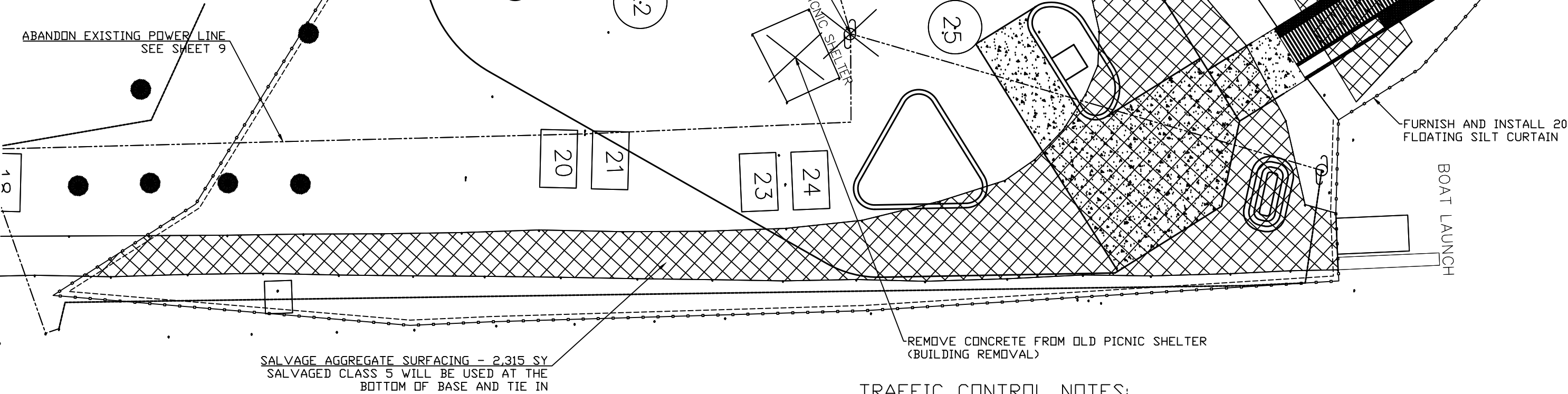
SHEET 7 OF 17 SHEETS

CONSTRUCTION NOTES:

- 1. CLEARING AND GRUBBING WAS DONE PREVIOUS TO PROJECT. MINOR STUMP ROOTS STILL MAY BE PRESENT AND ARE INCIDENTAL TO DIRT WORK.
- 2. STRIP ALL TOPSOIL WITHIN PROJECT AREA. STORE ON SITE AND APPLY TO ALL DISTURBED AREAS AND ISLANDS PRIOR TO SEEDING AND PLANTING.
- 3. INFILTRATION BASIN AND CONTAINMENT BASIN SHALL BE MADE FIRST AND SHALL FUNCTION AS SEDIMENT BASIN PROTECTION DURING CONSTRUCTION. BASIN SHALL BE CLEANED OUT AS NEEDED.
- 4. CONTRACTOR SHALL REMOVE ALL EXISTING SURFACING AND SUB-GRADE. TRAVERSE COUNTY SHALL STAKE THE ELEVATION.

SIGN SCHEDULE:

SIGN	SIGN #	COLOR	SIZE	QTY
	W20-1	BLACK ON ORANGE	48"X48"	2
	R11-2	BLACK ON WHITE	48"X30"	2
	TYPE III BARRICADE	WHITE & ORANGE	8'	4



TRAFFIC CONTROL NOTES:

- 1. THE CONTRACTOR SHALL INSTALL AND MAINTAIN TRAFFIC CONTROL DEVICES ACCORDING TO THE MINNESOTA MNMUTCD.
- 2. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ANY WORK AREAS NEAR TRAFFIC IN ACCORDANCE WITH THE MNMUTCD.
- 3. SIGN INSTALLATIONS SHALL NOT OBSTRUCT EXISTING SIGNS.

DEMOLITION PLAN

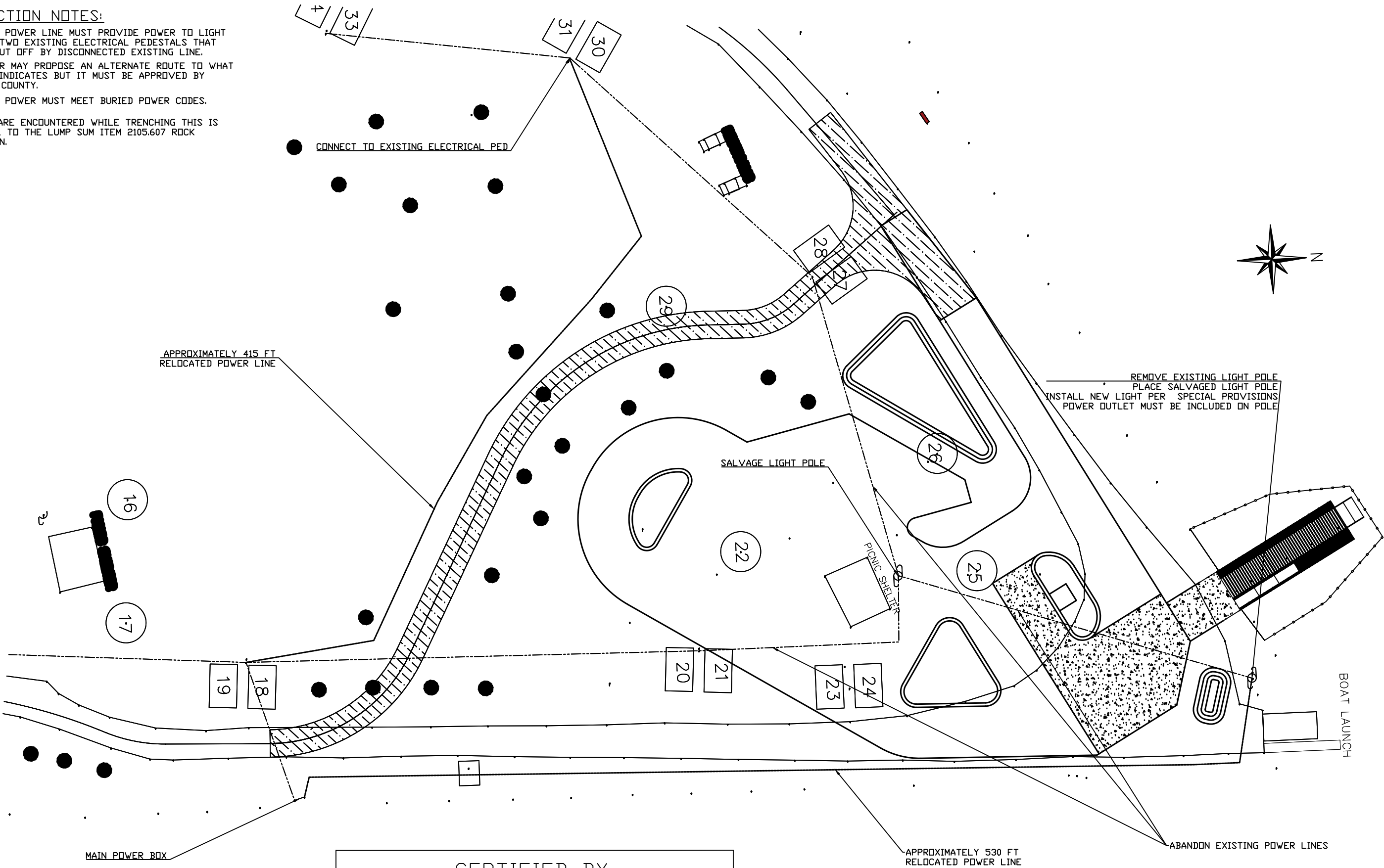
CERTIFIED BY
Chad Gillespie
CHAD GILLESPIE Traverse County Engineer
54560 4-7-25
Lic. No. Date

PROJECT NO. _____
PROJECT NO. _____

SHEET 8 OF 17 SHEETS

CONSTRUCTION NOTES:

- 1. RELOCATED POWER LINE MUST PROVIDE POWER TO LIGHT POLE AND TWO EXISTING ELECTRICAL PEDESTALS THAT WILL BE CUT OFF BY DISCONNECTED EXISTING LINE.
- 2. CONTRACTOR MAY PROPOSE AN ALTERNATE ROUTE TO WHAT THE PLAN INDICATES BUT IT MUST BE APPROVED BY TRAVERSE COUNTY.
- 3. RELOCATED POWER MUST MEET BURIED POWER CODES.
- 4. IF ROCKS ARE ENCOUNTERED WHILE TRENCHING THIS IS INCIDENTAL TO THE LUMP SUM ITEM 2105.607 ROCK EXCAVATION.



CERTIFIED BY
Chad Gillespie
CHAD GILLESPIE Traverse County Engineer
54560 4-7-25
Lic. No. Date

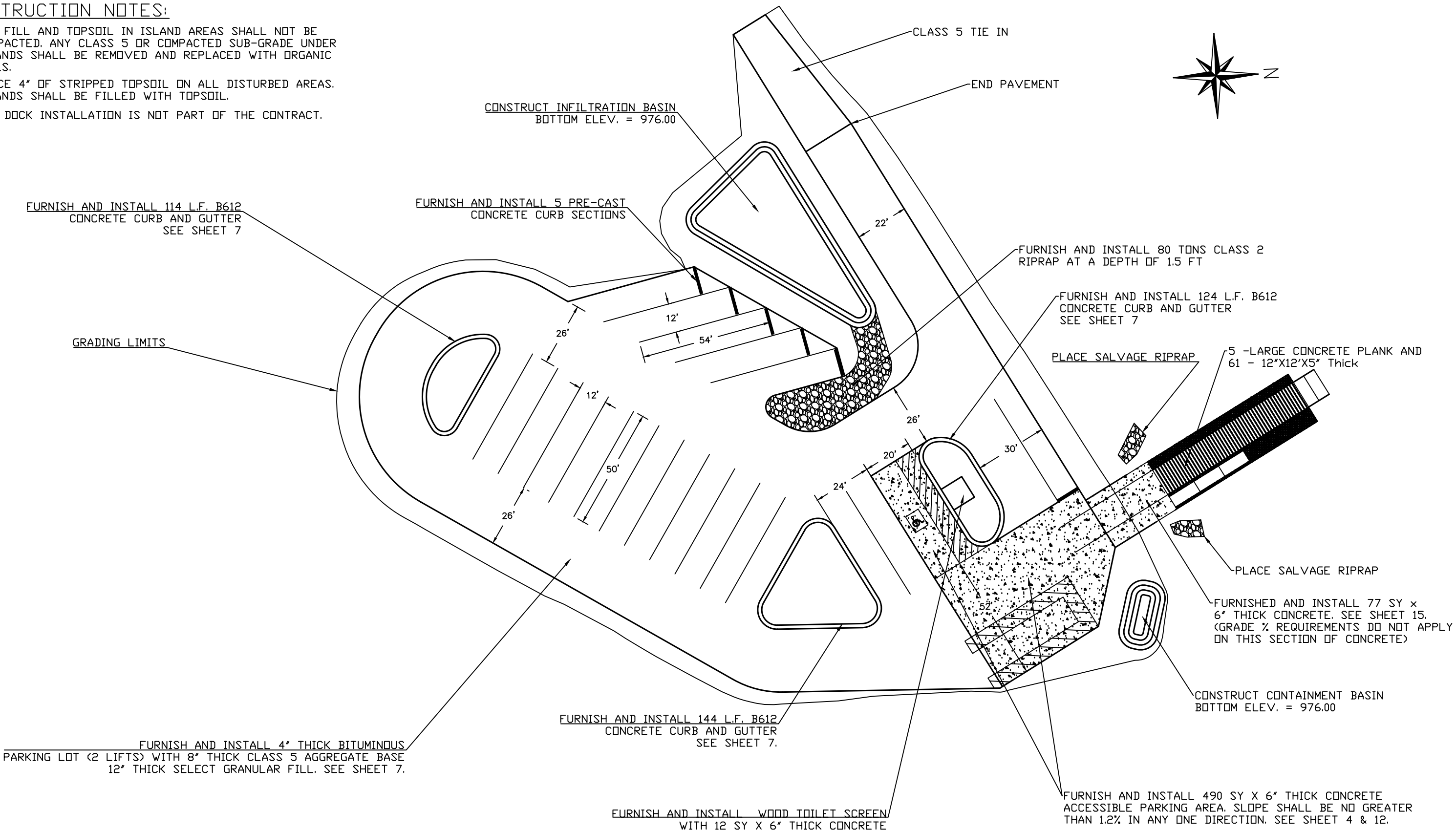
BURIED POWER RELOCATE

PROJECT NO. _____
PROJECT NO. _____

SHEET 9 OF 17 SHEETS

CONSTRUCTION NOTES:

1. ALL FILL AND TOPSOIL IN ISLAND AREAS SHALL NOT BE COMPACTED. ANY CLASS 5 OR COMPACTED SUB-GRADE UNDER ISLANDS SHALL BE REMOVED AND REPLACED WITH ORGANIC SOILS.
2. PLACE 4" OF STRIPPED TOPSOIL ON ALL DISTURBED AREAS. ISLANDS SHALL BE FILLED WITH TOPSOIL.
3. THE DOCK INSTALLATION IS NOT PART OF THE CONTRACT.



CERTIFIED BY

Chad Gillespie

CHAD GILLESPIE Traverse County Engineer

54560

Lic. No.

4-7-25

Date

CONSTRUCTION PLAN

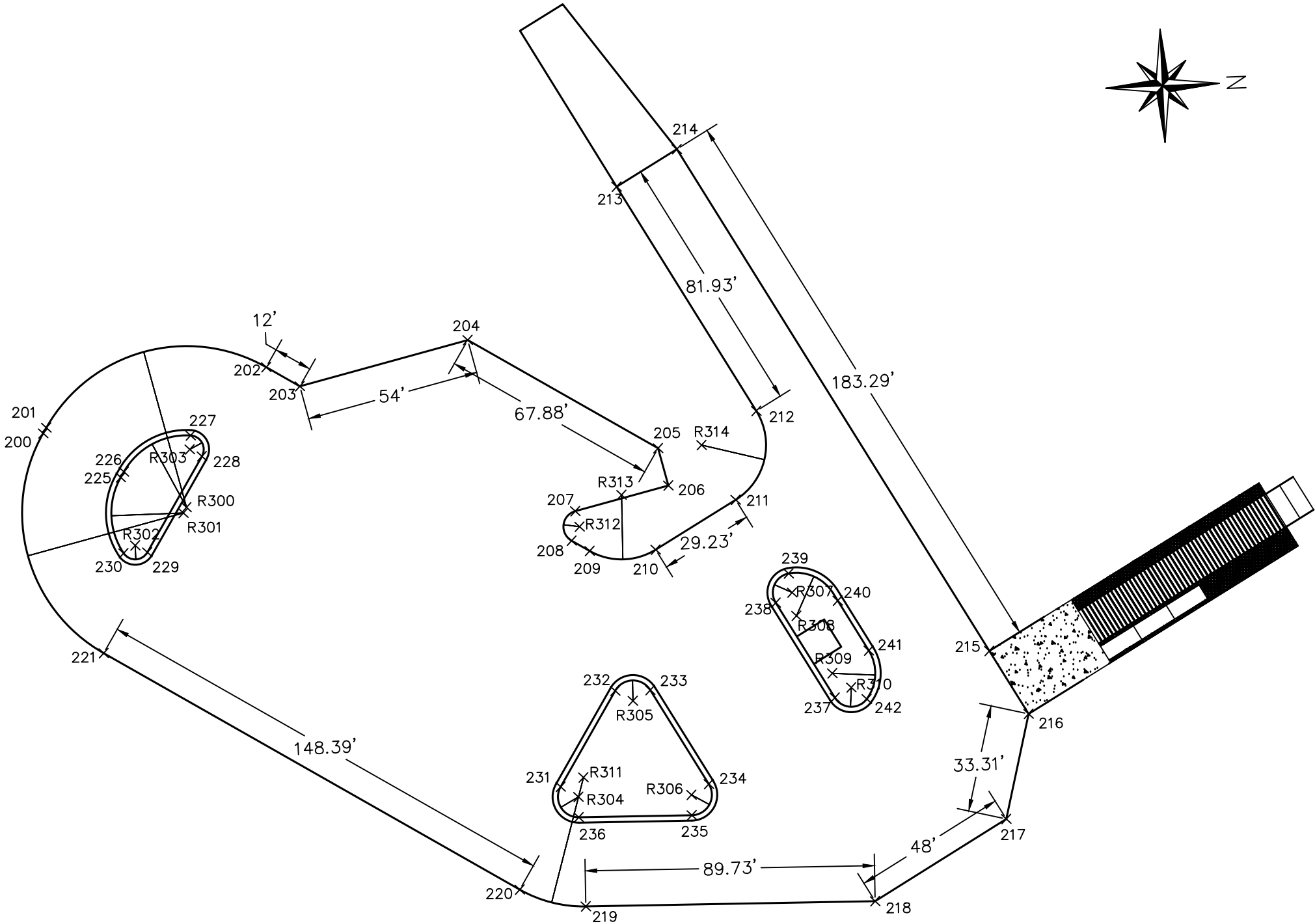
PROJECT NO. _____

PROJECT NO. _____

SHEET 10 OF 17 SHEETS

Easting	Northing	Point #	Note
440580.01	129762.30	200	End
440578.31	129763.36	201	End
440562.57	129832.30	202	End
440568.95	129842.46	203	End
440556.93	129895.11	204	End
440593.04	129952.59	205	End
440604.74	129955.26	206	End
440611.40	129926.08	207	End
440620.51	129924.54	208	End
440623.94	129930.00	209	End
440624.43	129950.46	210	End
440610.09	129975.92	211	End
440582.85	129983.53	212	End
440511.46	129943.33	213	End
440500.66	129962.49	214	End
440660.37	130052.45	215	End
440680.41	130063.74	216	End
440712.66	130055.39	217	End
440736.33	130013.63	218	End
440733.99	129923.93	219	End
440727.87	129903.70	220	End
440648.94	129778.04	221	End
440594.72	129785.73	225	End
440593.03	129786.79	226	End
440582.69	129807.94	227	End
440589.30	129811.17	228	End
440618.30	129792.95	229	End
440618.26	129785.60	230	End
440696.59	129917.78	231	End
440667.60	129935.99	232	End
440667.86	129946.86	233	End
440697.76	129963.71	234	End
440707.20	129958.03	235	End
440706.28	129922.97	236	End
440672.73	130003.94	237	End
440642.52	129986.93	238	End
440633.64	129991.32	239	End
440642.72	130006.16	240	End
440658.61	130015.11	241	End
440673.59	130013.82	242	End
440604.91	129805.70	R300	Radius = 50' & 22.33'
440606.60	129804.64	R301	Radius = 50' & 22.33'
440616.00	129789.29	R302	Radius = 4.33'
440587.00	129807.51	R303	Radius = 4.33'
440699.96	129923.14	R304	Radius 6.33'
440670.96	129941.35	R305	Radius 6.33'
440700.87	129958.19	R306	Radius 6.33'
440639.58	129992.16	R307	Radius = 6'
440646.84	129993.18	R308	Radius = 13.33'
440665.15	130003.50	R309	Radius = 13.33'
440669.79	130009.17	R310	Radius = 6'
440694.00	129924.98	R311	Radius = 40'
440616.27	129927.20	R312	Radius = 5'
440607.01	129940.64	R313	Radius = 20'
440592.66	129966.11	R314	Radius = 20'

Note: Coordinates are in Minnesota DOT, Traverse County, US Foot, Project -LM-MNDOT, Datum NAD83



CONSTRUCTION PLAN

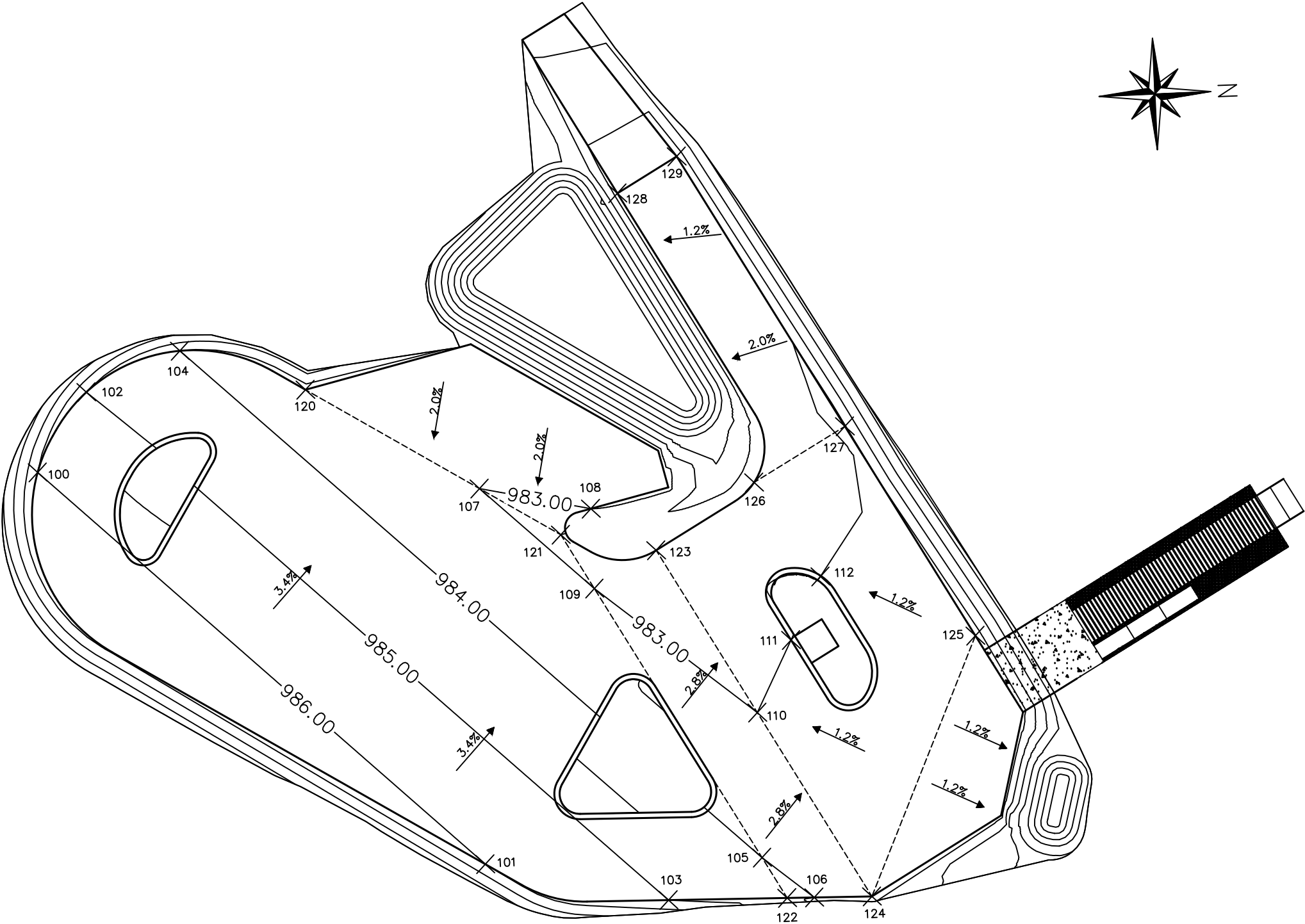
CERTIFIED BY
Chad Gillespie
CHAD GILLESPIE, Traverse County Engineer
54560 4-7-25
Lic. No. Date

PROJECT NO. _____
PROJECT NO. _____

SHEET 11 OF 17 SHEETS

Easting	Northing	Elevation	Point #	Note
440591.26	129757.05	986	100	Contour
440720.80	129892.45	986	101	Contour
440566.68	129773.48	985	102	Contour
440734.66	129949.60	985	103	Contour
440554.96	129803.49	984	104	Contour
440722.58	129979.61	984	105	Contour
440735.85	129995.48	984	106	Contour
440602.49	129895.85	983	107	Contour
440610.37	129930.61	983	108	Contour
440635.56	129930.59	983	109	Contour
440676.87	129980.14	983	110	Contour
440654.49	129991.75	983	111	Contour
440634.89	130001.89	983	112	Contour
440568.95	129842.46	983.43	120	Breakline
440618.15	129920.78	982.80	121	Breakline
440735.63	129986.96	984.15	122	Breakline
440624.37	129950.57	982.40	123	Breakline
440736.33	130013.63	983.68	124	Breakline
440655.69	130049.82	983.62	125	Breakline
440604.37	129982.32	982.57	126	Breakline
440587.97	130011.68	983.08	127	Breakline
440511.46	129943.33	982.54	128	Breakline
440500.66	129962.49	982.65	129	Breakline

Note: Coordinates are in Minnesota DOT, Traverse County, US Foot, Project -LM-MNDOT, Datum NAD83; Elevations are TOP (Finished Grade)



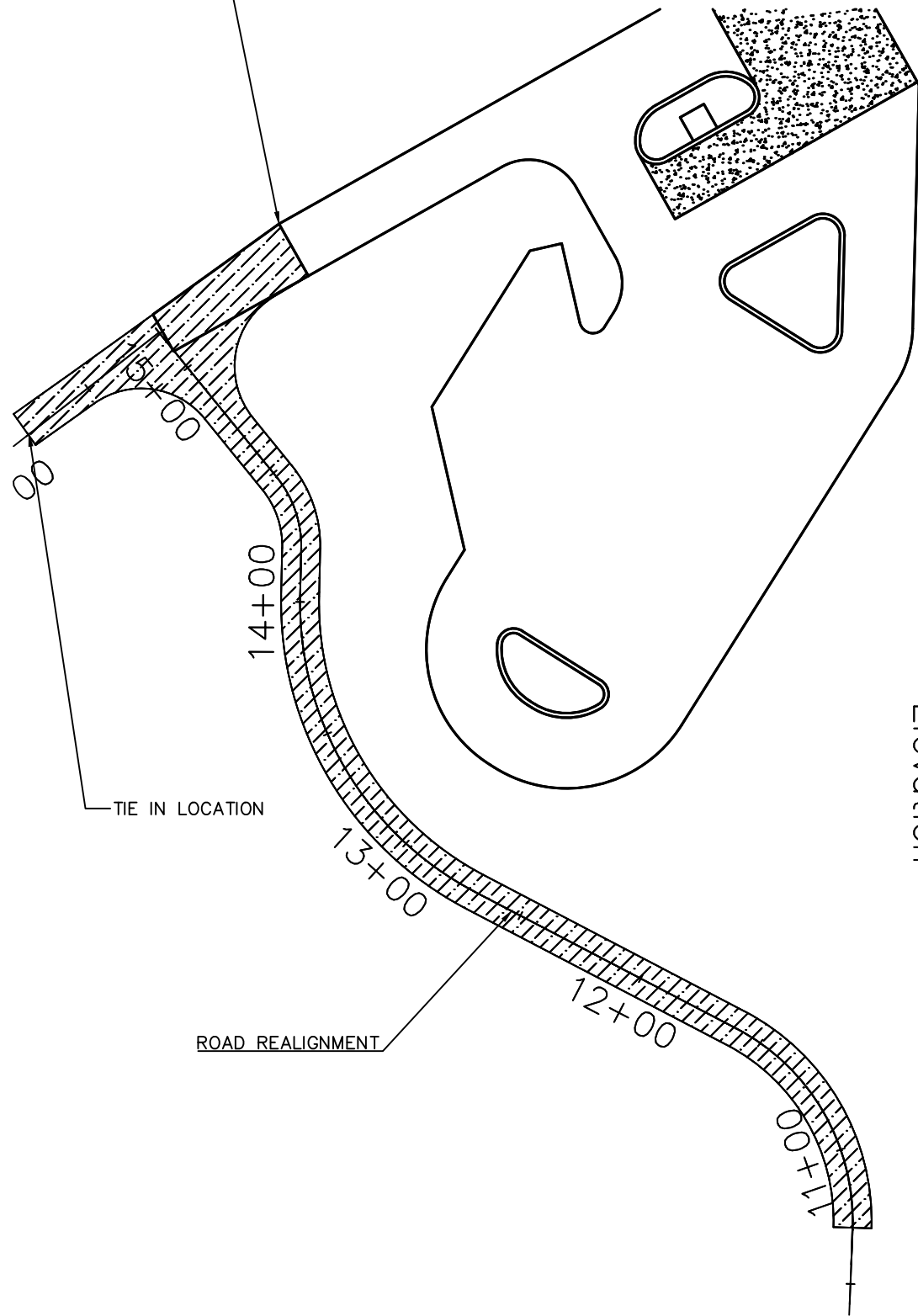
CONSTRUCTION PLAN

CERTIFIED BY
Chad Gillespie
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54560 4-7-25
Lic. No. Date

PROJECT NO. _____
PROJECT NO. _____

SHEET 12 OF 17 SHEETS

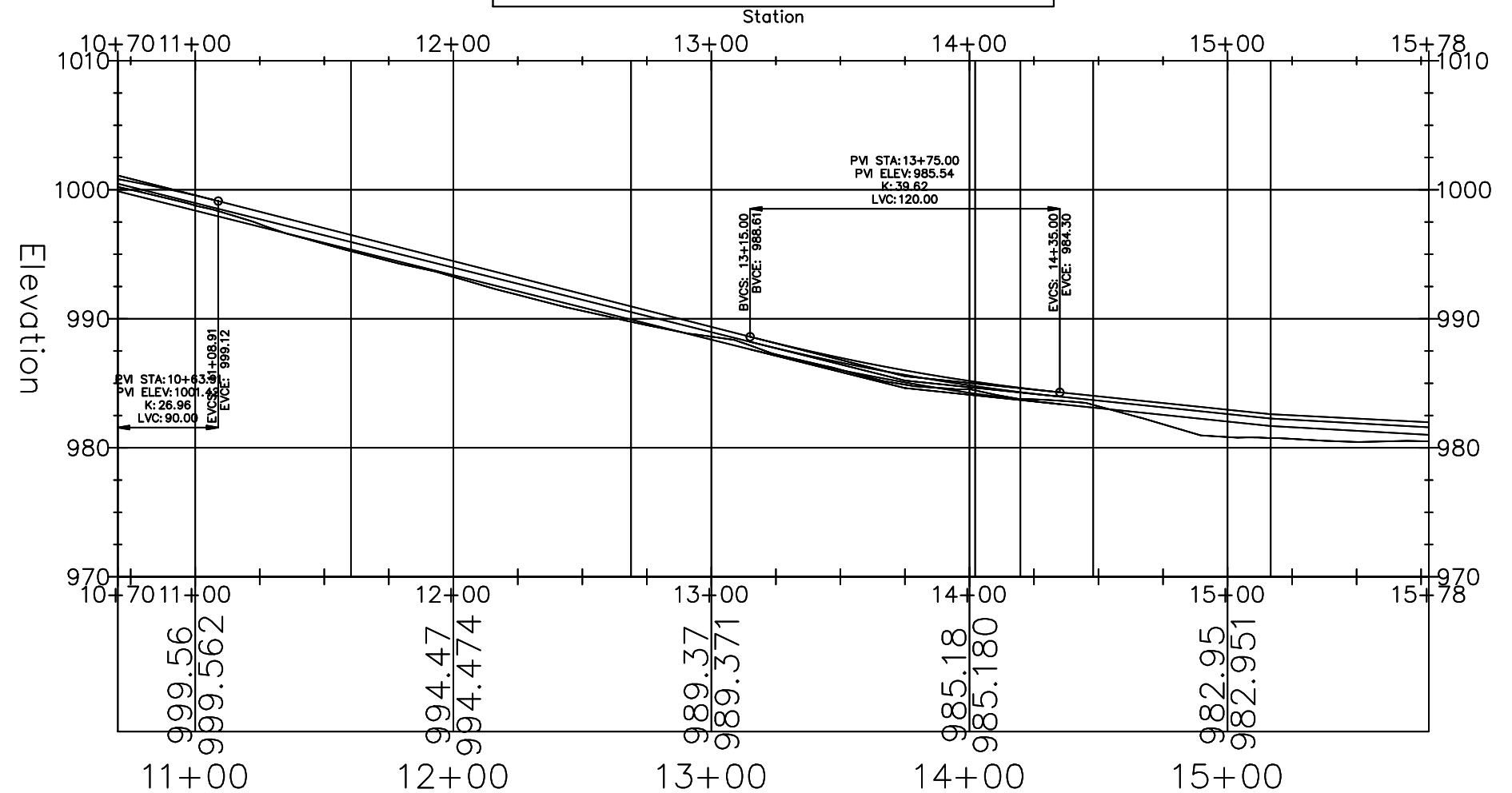
TIE IN LOCATION



ROAD REALIGNMENT:

1. DIRTWORK (EXCAVATION AND EMBANKMENT) ALONG WITH SUPPLYING, PLACING, AND COMPACTING 2 INCHES OF CLASS 5 IS PART OF THE PARKING LOT PROJECT. 2 INCHES OF TOPSOIL WILL BE STRIPPED. THIS STRIPPED MATERIAL WILL BE USED AS EMBANKMENT AND COMPACTED TO THE PROFILE GRADE INDICATED IN THE PLANS. IF MORE MATERIAL IS NEEDED IT WILL COME FROM THE EXCAVATION OF THE PARKING LOT. (EXCAVATION APPROXIMATELY = 52 CY EMBANKMENT APPROXIMATELY = 250 CY)
2. SEE TIED PROJECT (SAP 078-600-002) FOR FULL PROFILE VIEW.
3. ROAD REALIGN MUST TIE INTO PARKING LOT ENTRANCE AND CO RD 42 PER THE ELEVATIONS GIVEN ON SHEET 12 AND THE FULL PROFILE SHOWN IN SAP 078-600-002
4. 4 INCHES OF CLASS 5 AND BITUMINOUS SURFACING IS PART OF SAP 078-600-002.

Co Rd 42 - County Park PROFILE



Road Relign

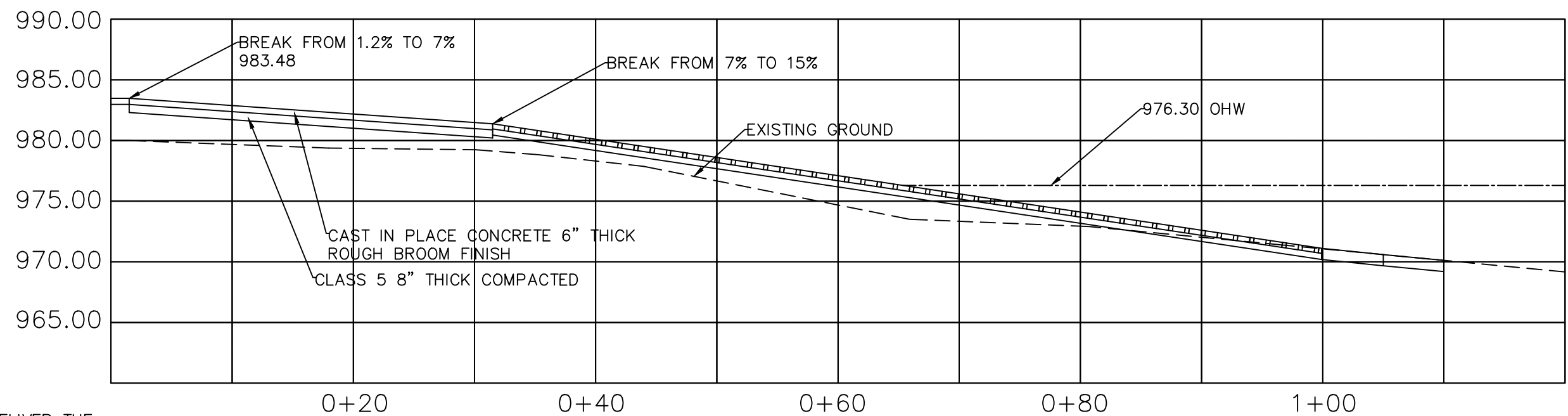
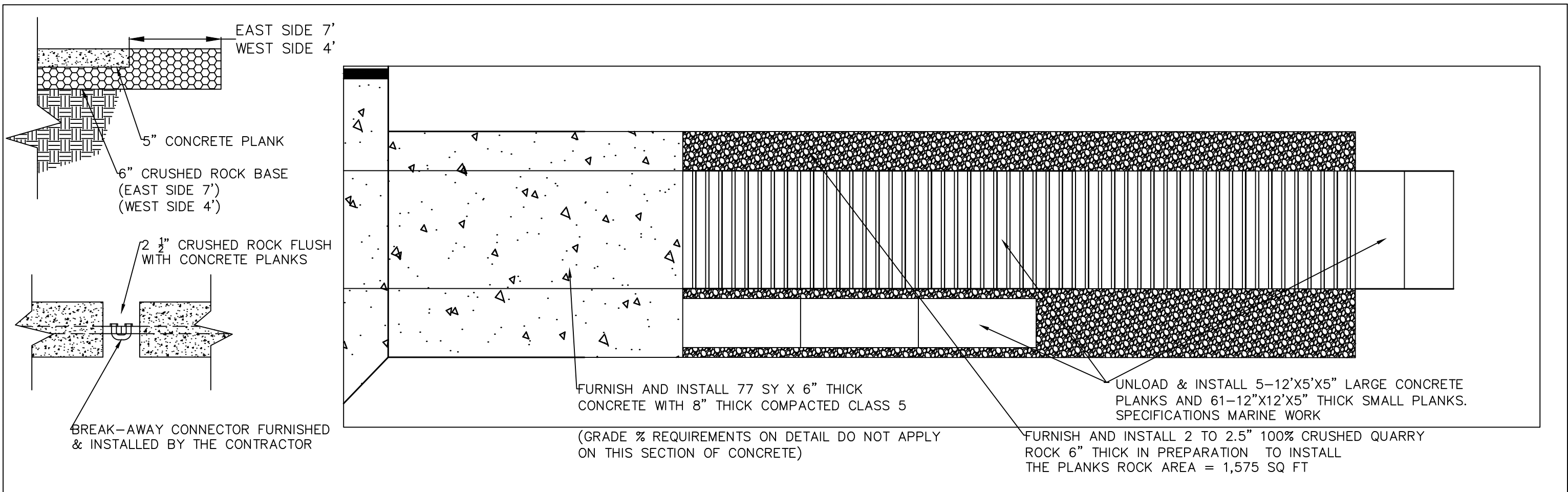
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54560
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4-7-25
Date

PROJECT NO. _____

PROJECT NO. _____

SHEET 13 OF 17 SHEETS



Note: MN DNR WILL FURNISH AND DELIVER THE
SMALL AND LARGE PLANKS. CONTRACTOR MUST
UNLOAD AND INSTALL PER PLAN.

RAMP PLAN

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4-7-25
Date

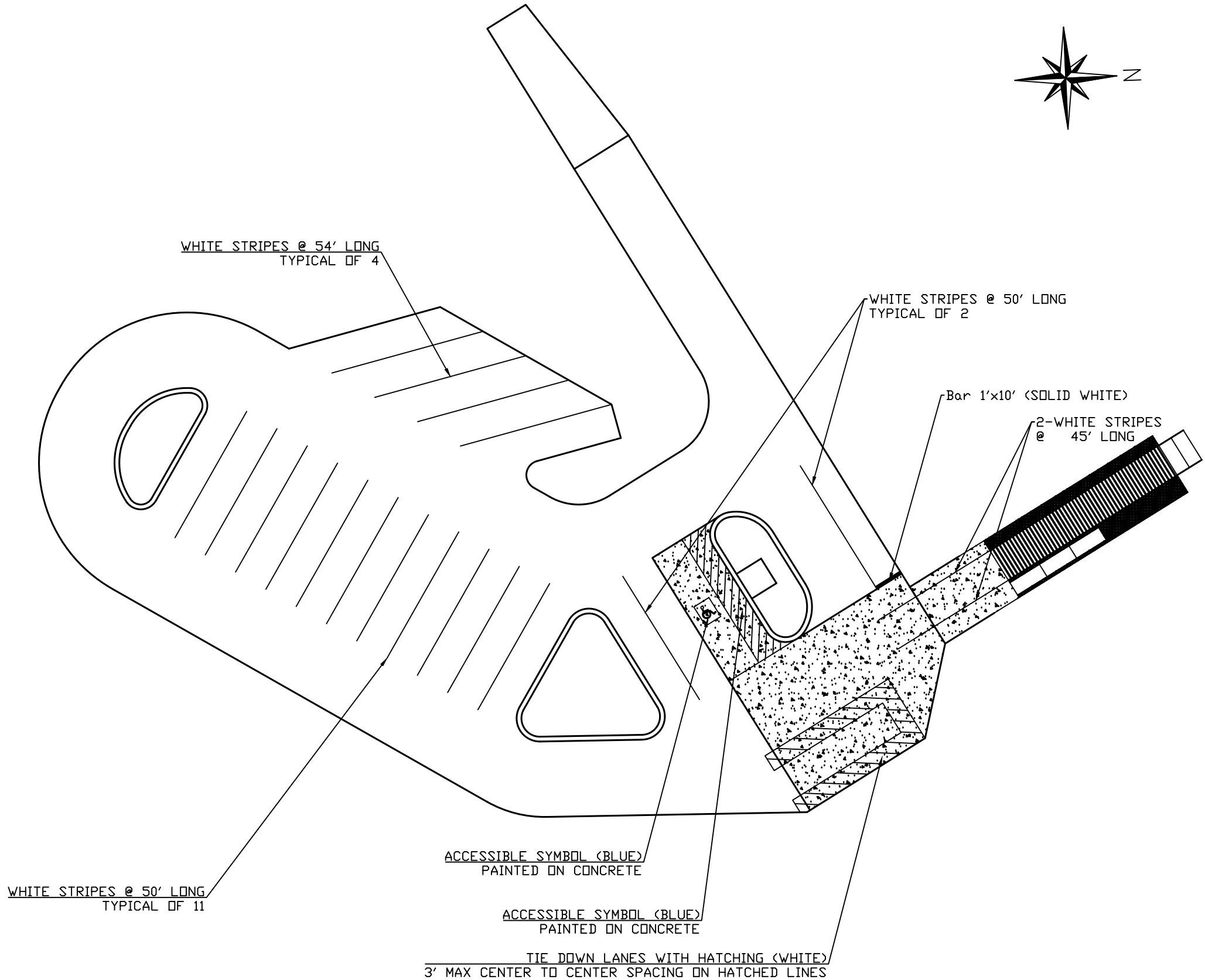
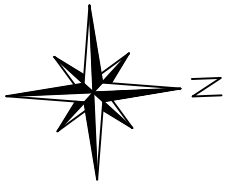
PROJECT NO. _____

PROJECT NO. _____

SHEET 15 OF 17 SHEETS

STRIPING NOTES:

1. ACCESSIBLE STRIPING SHALL BE 4" WIDE SOLID BLUE LINES, ALL OTHER SHALL BE 4" SOLID WHITE LINES.
2. PROVIDE AND INSTALL ALL PAINT STRIPING AND SYMBOLS. INCLUDES, LINES, ARROWS, HATCHING, AND ACCESSIBLE SYMBOLS.



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PROJECT NO. _____

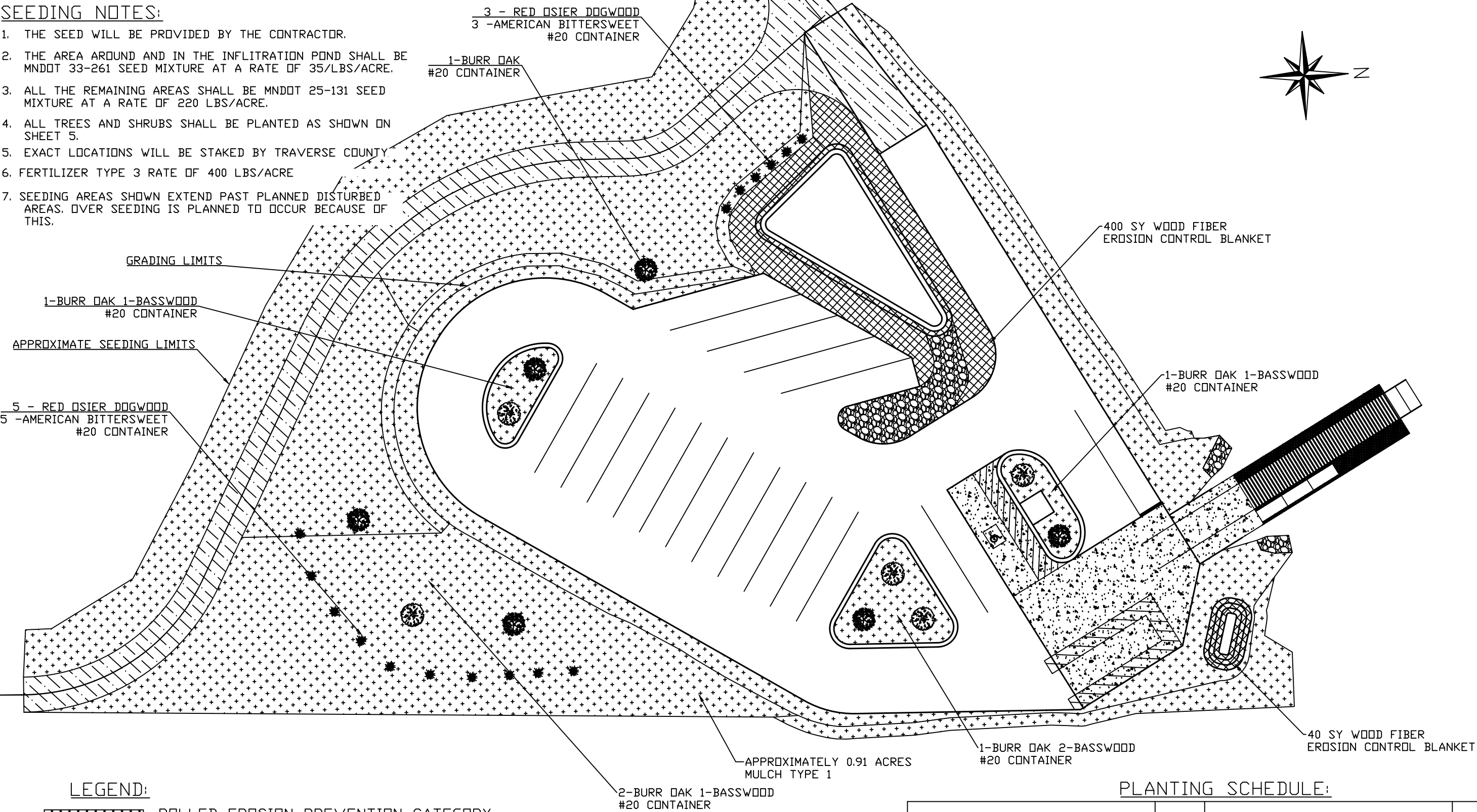
PROJECT NO. _____

SHEET 16 OF 17 SHEETS

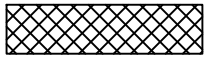
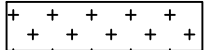
PAVEMENT MARKING PLAN

SEEDING NOTES:

- 1. THE SEED WILL BE PROVIDED BY THE CONTRACTOR.
- 2. THE AREA AROUND AND IN THE INFILTRATION POND SHALL BE MNDOT 33-261 SEED MIXTURE AT A RATE OF 35/LBS/ACRE.
- 3. ALL THE REMAINING AREAS SHALL BE MNDOT 25-131 SEED MIXTURE AT A RATE OF 220 LBS/ACRE.
- 4. ALL TREES AND SHRUBS SHALL BE PLANTED AS SHOWN ON SHEET 5.
- 5. EXACT LOCATIONS WILL BE STAKED BY TRAVERSE COUNTY
- 6. FERTILIZER TYPE 3 RATE OF 400 LBS/ACRE
- 7. SEEDING AREAS SHOWN EXTEND PAST PLANNED DISTURBED AREAS. OVER SEEDING IS PLANNED TO OCCUR BECAUSE OF THIS.



LEGEND:

-  ROLLED EROSION PREVENTION CATEGORY 10 (NATURAL FIBER BLANKET)
-  MULCH TYPE 1

PLANTING SCHEDULE:

TREES	QTY	SHRUBS	QTY
BURR OAK #20 CONTAINER	5	RED OSIER DOGWOOD #20	8
BASSWOOD #20 CONTAINER	6	AMERICAN BITTERSWEET #20	8

PLANTING PLAN

CERTIFIED BY



CHAD GILLESPIE Traverse County Engineer

54560 4-7-25

Lic. No. Date

PROJECT NO. _____
PROJECT NO. _____