DISTRICT 6 MAINTENANCE FACILITY
PHASE I SITE PREPARATION PACKAGE
ROCHESTER, MN

DRAWING SHEET INDEX - FRONT END

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		R		199	SITE SURVEY (ISSUED FOR REFERENCE ONLY)

	NOT ISSUED
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R	ISSUED FOR REFERENCE ONLY
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DRAWING SHEET INDEX - CIVIL

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		R		208.AS	ARCHITECTURAL MASTER SITE PLAN - WITH ALL CONSTRUCTION PHASES CONSOLIDATED

SHEET NUMBERING AND ABBREVIATION EXPLANATION

022409

BUILDING NUMBER | SHEET GROUPING | FLOOR LEVEL | ZONE NUMBER | PLAN TYPE

1 - 4 0 2 . 1 DE

1- 402.1DE
BLDG 1, SECOND FLOOR, ZONE 1, DEMOLITION PLAN

BUILDING NUMBER | SHEET GROUPING | FLOOR LEVEL | ZONE NUMBER | DEMOLITION PLAN | PLAN TYPE

1 - 7 0 1 . 1 D F

1- 701.1DF
BLDG 1, FIRST FLOOR, ZONE 1, DEMO FIRE PROTECTION

SHEET GROUPING		PLAN
100		TITLE SHEET
	CO	CODE PLAN
	PH	PHASING PLAN
	RF	REFERENCE PLAN
200	AS	ARCHITECTURAL SITE PLAN
	CD	CIVIL DEMOLITION PLAN
	CG	CIVIL GRADING PLAN
	CU	CIVIL UTILITIES PLAN
	CP	CIVIL PAVING PLAN
	LP	LANDSCAPE PLAN
300	D	DEMO PLANS
400	DE	DEMOLITION PLAN
	DI	DIMENSION PLAN
	FL	FLOOR PLAN
	FN	FINISH PLAN
	FP	PATTERN PLAN
	QU	EQUIPMENT PLAN
	RC	REFLECTED CEILING PLAN
	SY	SYSTEMS FURNITURE PLAN
700	DF	DEMO FIRE PROTECTION
	DM	DEMO MED GAS
	DP	DEMO PLUMBING
	F	MECH FIRE PROTECTION
	M	MECH MED GAS
	P	MECH PLUMBING
800	DH	DEMO HVAC
	DP	DEMO PIPING
	H	MECH HVAC
	P	MECH PIPING
900	DL	DEMO ELEC LIGHTING
	DP	DEMO ELEC POWER
	DS	DEMO ELEC SYSTEMS
	L	ELEC LIGHTING
	P	ELEC POWER
	S	ELEC SYSTEMS

PROJECT DIRECTORY

OWNER
STATE OF MINNESOTA
DEPT OF TRANSPORTATION
FACILITIES MANAGEMENT DIVISION
M5715 TRANSPORTATION BUILDING
395 JOHN IRELAND BVLD
ST PAUL, MN 55155
651-366-3561
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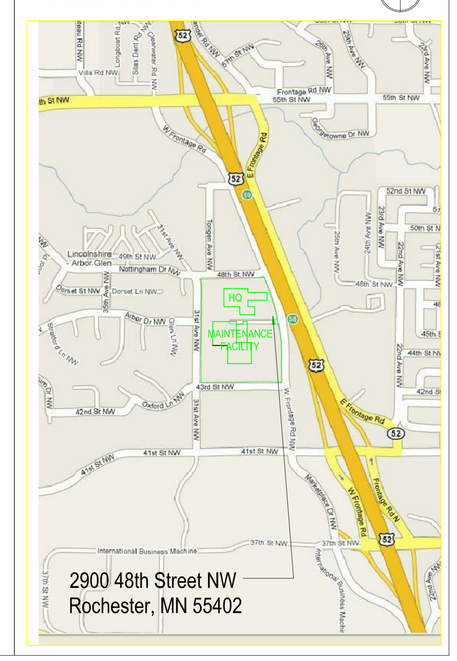
CIVIL ENGINEER
KIMLEY HORN & ASSOCIATES
2550 UNIVERSITY AVE W
SUITE 345N
ST PAUL, MN 55114
TEL: 651-645-4197
FAX: 651-645-5116

BUILDING LOCATION MAP



Phase I Construction Documents

Mn-DOT Rochester District 6 Maintenance Facility Project

Mn-DOT PROJECT No. 10-6122
Mn-DOT Bldg No. 91225

BWBR ARCHITECTS

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651.222.3701

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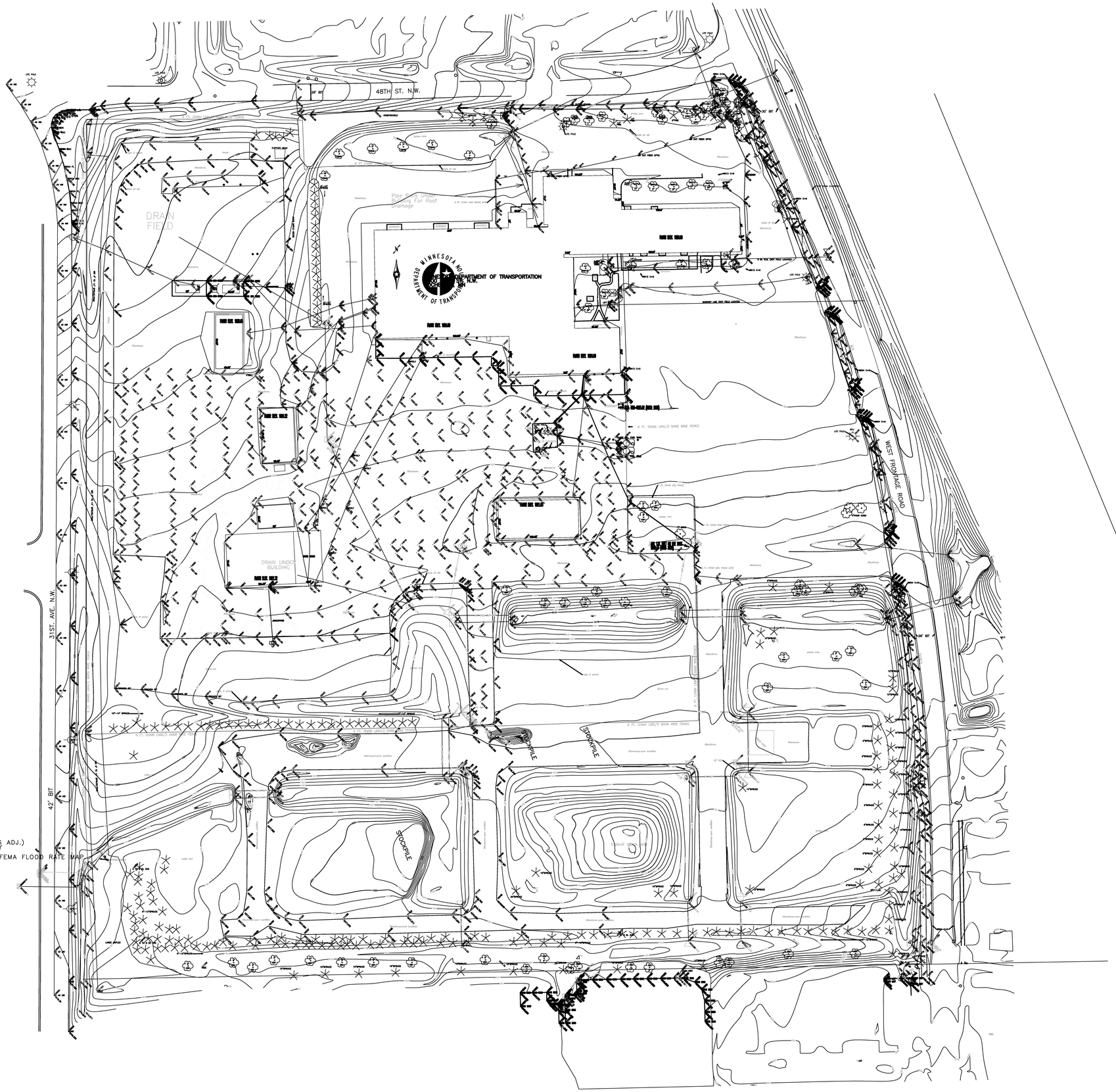

SURVEYOR'S NOTES

1. ELEVATIONS ARE NVGD 1929 DATUM.
2. COORDINATES ARE OLMSTED COUNTY NAD83 (1986 ADJ.)
3. UTILITIES SHOWN ARE FROM FIELD SURVEY, UTILITY MAPS AND OTHER SUPPLIED INFORMATION.
4. AREA LIES IN UNDETERMINED FLOOD ZONE BY FEMA FLOOD RATE MAP.

ZONING REQUIREMENTS

1. THE PROPERTY IS ZONED M-1 (MIXED COMMERCIAL-INDUSTRIAL)
2. MINIMUM FRONT BUILDING SETBACK= 25 FEET
   MINIMUM REAR BUILDING SETBACK = 10 FEET
   MINIMUM SIDE BUILDING SETBACK = 12.5 FEET

SITE SURVEY PROVIDED BY Mn/DOT (4-2-2009)

MINNESOTA DEPARTMENT OF TRANSPORTATION

Mn/DOT ROCHESTER DISTRICT 6 MAINTENANCE FACILITY PROJECT

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SITE SURVEY

Sheet No.

199

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Date: Thu, 10 Sep 2009 - 7:17pm
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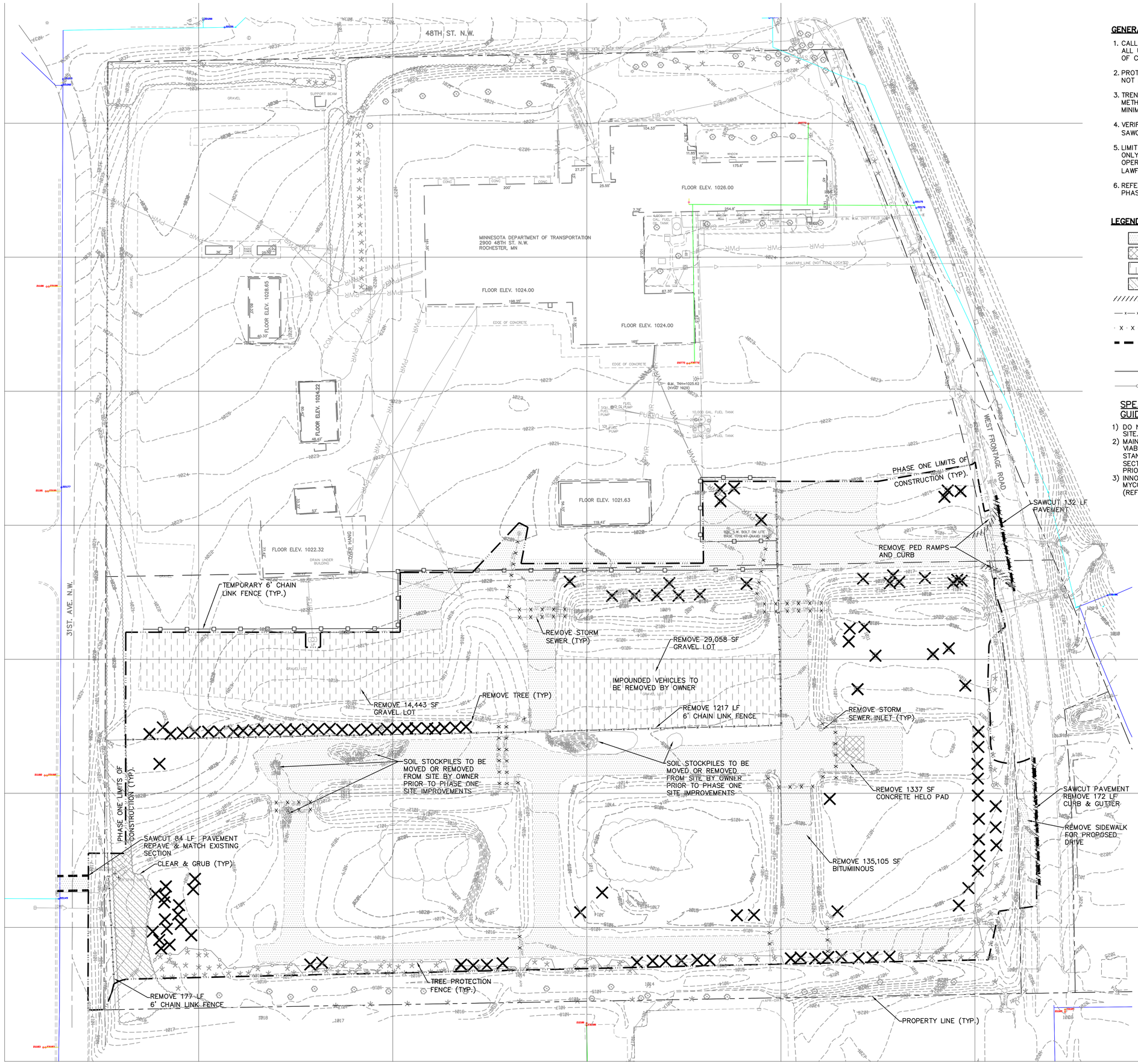
Drawing: MNDOTCONTOURS smodel_dfp



GENERAL REMOVAL NOTES:

1. CALL GOPHER STATE ONE CALL AT 651–454–0002. ALL UTILITIES MUST BE LOCATED PRIOR TO THE START OF CONSTRUCTION.
2. PROTECT ALL EXISTING UTILITY STRUCTURES THAT ARE NOT BEING REMOVED OR RELOCATED.
3. TRENCH BOXES OR OTHER TRENCH STABILIZATION METHODS MAY BE REQUIRED DURING CONSTRUCTION TO MINIMIZE REMOVAL LIMITS.
4. VERIFY REMOVAL LIMITS WITH ENGINEER PRIOR TO SAWCUTTING/CLEARING.
5. LIMIT TREE REMOVAL WITHIN LIMITS OF CONSTRUCTION. ONLY TREES THAT ARE IMPACTED BY GRADING OPERATIONS SHALL BE REMOVED. CONTRACTOR TO LAWFULLY DISOSE OF TREES/STUMPS OFFSITE.
6. REFERENCE SHEET 201.5ES FOR CONSTRUCTION PHASING NOTES.

LEGEND

- REMOVE BITUMINOUS SURFACE
- REMOVE CONCRETE
- REMOVE GRAVEL
- CLEAR AND GRUB
- REMOVE CURB AND GUTTER
- REMOVE FENCE
- REMOVE UTILITY LINES
- SAWCUT
- REMOVE TREE
- TEMPORARY FENCE
- TREE PROTECTION FENCE

SPEACIAL SUSTAINABLE BUILDING GUIDELINES REQUIREMENTS

1) DO NOT SELL OR EXPORT ANY TOP SOIL FROM PROJECT SITE.
2) MAINTAIN OR MITIGATE MYCORRHYZEAE POPULATIONS VIABLE IN ALL TOPSOIL STOCKPILES PER MYCORHIZAL STANDARDS PER (MNDOT STANDARD SPECIFICATION SECTION 3896.2 SOIL AND ROOT ADDITIVES) IMMEDIATELY PRIOR TO RESPREAD.
3) INNOCULATE ALL FUTURE PLANTING AREAS WITH MYCORRHYZEAE TO MYCORRYHIZAL STANDARDS PER (REFORESTATION TECHNOLOGIES, INC.)

MINNESOTA DEPARTMENT OF TRANSPORTATION

Mn-DOT Rochester District 6 Maintenance Facility Project

Mn-DOT PROJECT No. 10-6122
Mn-DOT Bldg No. 91225

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ST. PAUL, MINNESOTA 55114
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Name David J. Cole

Date 6/22/2010 Reg. No. 44821

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EXISTING CONDITIONS & REMOVALS

Sheet No.

200.CR

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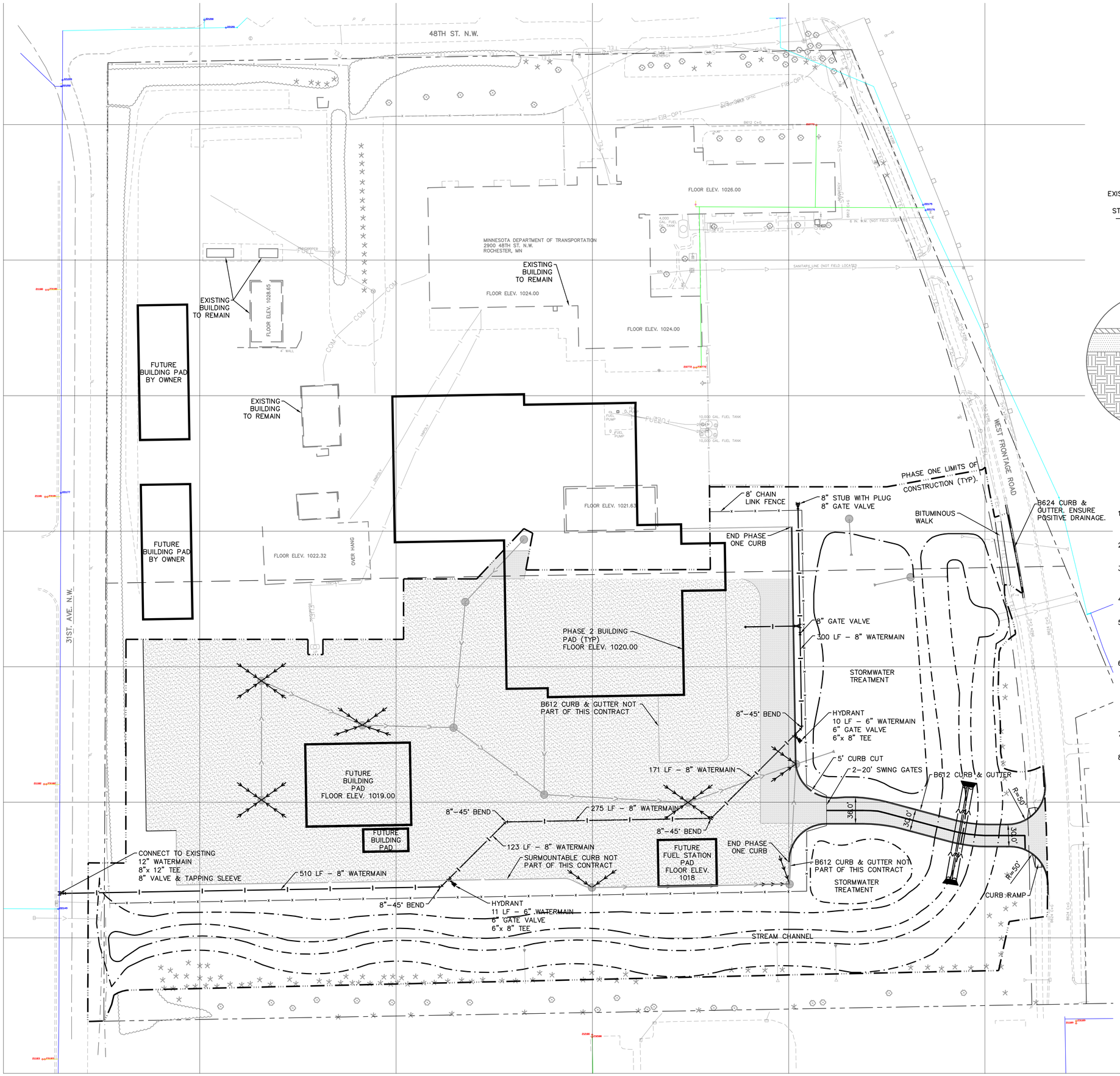
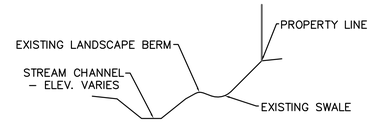
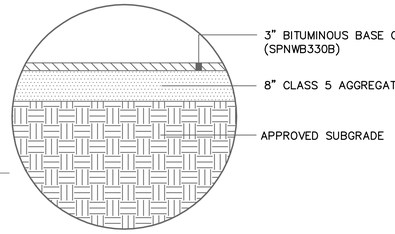


LEGEND

- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING WATERMAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED WATERMAIN
- FENCE
- PROPOSED CLASS 5
- PROPOSED BITUMINOUS
- PROPOSED CONCRETE WALK



TYPICAL STREAM SECTION A–A
N.T.S.



HEAVY DUTY BITUMINOUS PAVEMENT INSET

UTILITY NOTES

1) WATER LINES SHALL BE PER THE SPECIFICATIONS AND AS FOLLOWS: FOR PIPES 4" TO 12": DUCTILE IRON PIPE, PRESSURE CLASS 352 PER AWWWA C151
2) ALL FILL MATERIAL IS TO BE IN PLACE AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
3) ALL WATER JOINTS THAT REQUIRE A CHANGE IN DIRECTION ARE TO BE MECHANICAL JOINTS WITH THRUST BLOCKING AS CALLED OUT IN THE SPECIFICATIONS.
4) ALL WATER LINES SHALL MAINTAIN A MINIMUM OF 7'–6" COVER UNLESS APPROVED OTHERWISE BY THE ENGINEER.
5) ALL UTILITIES SHOULD BE KEPT A MINIMUM OF TEN FEET (10') APART (PARALLEL) OR WHEN CROSSING 18" VERTICAL CLEARANCE PER THE DETAILS AND SPECIFICATIONS (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE).
6) IN THE EVENT OF A VERTICAL CONFLICT BETWEEN WATERLINES, SANITARY LINES, STORM LINES AND GAS LINES (EXISTING AND PROPOSED), THE SANITARY LINE SHALL BE DUCTILE IRON PIPE WITH MECHANICAL JOINTS AT LEAST 10 FEET ON BOTH SIDES OF CROSSING. THE WATERLINE SHALL HAVE MECHANCIAL JOINTS WITH APPROPRIATE THRUST BLOCKING AS REQUIRED TO PROVIDE A MINIMUM OF 18" CLEARANCE. REFERENCE DETAIL SHEETS AND SPECIFICATIONS.
7) EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.
8) MARK UTILITY STUBS WITH 4x4 POST ABOVE GROUND.

Mn-DOT Rochester District 6 Maintenance Facility Project

Mn-DOT PROJECT No. 10-6122
Mn-DOT Bldg No. 91225

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SITE & UTILITY PLAN - PHASE ONE

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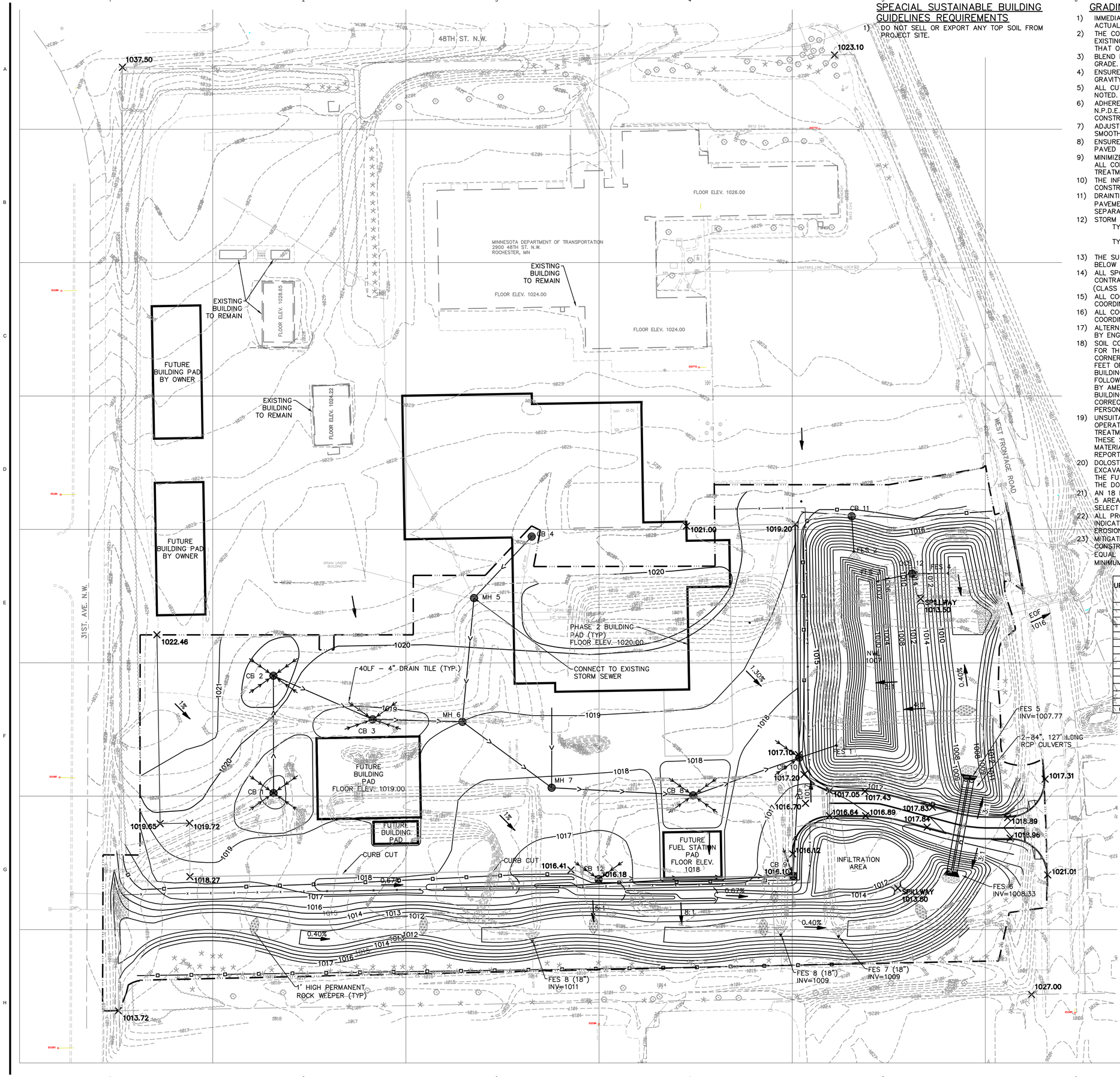


SPEACIAL SUSTAINABLE BUILDING GUIDELINES REQUIREMENTS

1) DO NOT SELL OR EXPORT ANY TOP SOIL FROM PROJECT SITE.

GRADING NOTES

1) IMMEDIATELY REPORT TO THE OWNER ANY DISCREPANCIES FOUND BETWEEN ACTUAL FIELD CONDITIONS AND CONSTRUCTION DOCUMENTS.
2) THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING EXISTING UTILITIES, AND SHALL REPAIR ALL DAMAGE TO EXISTING UTILITIES THAT OCCUR DURING CONSTRUCTION WITHOUT COMPENSATION.
3) BLEND NEW EARTHWORK SMOOTHLY TO TRANSITION BACK TO EXISTING GRADE.
4) ENSURE POSITIVE DRAINAGE SO THAT SURFACE RUNOFF WILL DRAIN BY GRAVITY TO NEW OR EXISTING DRAINAGE OUTLETS.
5) ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.
6) ADHERE TO ALL TERMS AND CONDITIONS AS NECESSARY IN THE GENERAL N.P.D.E.S. PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
7) ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
8) ENSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
9) MINIMIZE SEDIMENT FROM ENTERING THE STORM WATER TREATMENT BASINS. ALL CONSTRUCTION SEDIMENT MUST BE REMOVED FROM THE STORMWATER TREATMENT BASINS PRIOR TO PERMANENT STABILIZATION.
10) THE INFILTRATION AREA SHALL NOT BE SUBJECTED TO HEAVY CONSTRUCTION TRAFFIC.
11) DRAINTILE SHALL BE 4" PVC WRAPPED IN FILTER FABRIC BENEATH PAVEMENT AT SUMPS OR PER THE SPECIFICATIONS. MAINTAIN 10' OF SEPARATION BETWEEN DRAINTILE AND WATERMAIN.
12) STORM PIPE MATERIALS SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:
    TYPE 1: RCP, CLASS III PER ASTM C-76, WITH FLEXIBLE PLASTIC BITUMEN GASKETS AT JOINTS AND PER THE SPECIFICATIONS.
    TYPE 2: PVC, PER ASTM D3034 RATED SDR 26 AND PER THE SPECIFICATIONS.
13) THE SUGRADE FOR THE MULTIPURPOSE BUILDING SHALL BE HELD 10" BELOW FINISHED GRADE. REFERENCE ARCHITECTURAL PLANS.
14) ALL SPOT ELEVATIONS ARE TO PAVED FINISHED GRADE FLOW LINE CONTRACTOR TO HOLD DOWN PHASE 1 FINISHED GRADE ELEVATIONS (CLASS 5) FOR FUTURE PAVEMENT/CURB & GUTTER.
15) ALL COORDINATES ARE TO THE CENTER OF STRUCTURE. ALL 'FES' COORDINATES ARE TO THE END OF STRUCTURE AT CENTER LINE.
16) ALL COORDINATES ARE TO THE CENTER OF STRUCTURE. ALL 'FES' COORDINATES ARE TO THE END OF STRUCTURE AT CENTER LINE.
17) ALTERNATIVE CASTINGS/STRUCTURES MAY BE USED IF APPROVED EQUAL BY ENGINEER.
18) SOIL CORRECTIONS ARE REQUIRED WITHIN THE LIMITS OF CONSTRUCTION FOR THE FUTURE BUILDING PADS. FOR THE BUILDINGS IN THE SW CORNER OF THE SITE, UNSUITABLE SOILS SHALL BE REMOVED WITHIN 5 FEET OF THE FINISHED BUILDING PAD ELEVATION. FOR THE LARGE BUILDING PAD IN THE CENTER OF THE SITE, THE EXCAVATIONS WILL VARY. FOLLOW THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT COMPLETED BY AMERICAN ENGINEERING TESTING ON JULY 30, 2009 FOR THE LARGE BUILDING PAD. THE CONTRACTOR SHALL INFORM THE OWNER OF THE SOIL CORRECTION SCHEDULE 48 HOURS IN ADVANCE SUCH THAT GEOTECHNICAL PERSONNEL CAN OBSERVE THE CONSTRUCTION.
19) UNSUITABLE SOILS WILL LIKELY BE ENCOUNTERED DURING EARTH MOVING OPERATIONS FOR THE PROPOSED STREAM CHANNEL, STORMWATER TREATMENT BASINS, PAVEMENT AND FUTURE BUILDING PAD LOCATIONS. THESE SOILS WILL REQUIRE REMOVAL AND REPLACEMENT WITH COMPETENT MATERIALS IN ACCORDANCE WITH THE SPECIFICATIONS AND GEOTECHNICAL REPORT.
20) DOLOSTONE IS LIKELY TO BE ENCOUNTERED IN AREAS OF DEEP EXCAVATION. CAUTION MUST BE TAKEN TO PREVENT KARST CONDITIONS IN THE FUTURE. THE CONTRACTOR SHALL FOLLOW THE SPECIFICATIONS AND THE DOLOSTONE FILL DETAIL INCLUDED WITHIN THE PLANS.
21) AN 18 INCH MINIMUM SUBCUT IS REQUIRED BELOW ALL PAVED AND CLASS 5 AREAS. THESES SOILS SHALL BE REPLACED WITH A SAND SUBBASE OF SELECT GRANULAR BORROW.
22) ALL PROPOSED GRADES ONSITE SHALL BE 3:1 OR FLATTER UNLESS INDICATED ON THE PLANS. ANY SLOPES STEEPER THAN 4:1 REQUIRE EROSION AND SEDIMENT CONTROL BLANKET.
23) MITIGATE ALL COMPACTION IMPACTS TO FUTURE PLANTING AREAS DURING CONSTRUCTION WITH DEEP VIBRATION TECHNOLOGY GREATER THAN OR EQUAL TO 24". MAINTAIN AND INSTALL/RE-SPREAD TOPSOIL TO A MINIMUM 12" DEPTH.

PIPE SCHEDULE

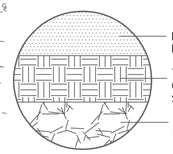
UPSTREAM STRUC.	DOWN STREAM STRUC.	UPSTREAM INVERT	DOWN STREAM INVERT	PIPE SIZE	PIPE LENGTH	PIPE SLOPE (%)	PIPE MATERIAL
CB 1	CB 2	1013.83	1012.71	15"	159'	0.70	RCP
CB 2	CB 3	1012.71	1011.68	36"	147'	0.70	RCP
CB 3	CB 6	1011.68	1010.82	36"	122'	0.70	RCP
CB 4	MH 5	1014.28	1013.13	24"	114.5'	1.00	PVC
MH 5	MH 6	1013.13	1011.44	30"	169'	1.00	RCP
MH 6	MH 7	1010.82	1009.77	36"	151'	0.70	RCP
PLUG	MH 7	1016.27	1015.19	15"	108'	1.00	PVC
MH 7	CB 8	1009.77	1008.42	36"	192.5'	0.70	RCP
CB 8	CB 10	1008.42	1007.38	42"	153'	0.70	RCP
CB 9	CB 10	1010.56	1007.93	21"	161'	1.00	RCP
CB 10	FES 1	1007.38	1007.00	42"	54'	0.70	RCP
CB 11	FES 2	1007.49	1007.00	30"	48.5'	1.00	RCP
CB 12	CB 9	1012.41	1010.56	21"	264'	1.00	RCP
FES 3	OCS 12	1002.00	1002.50	24"	49.5'	-1.00	RCP
OCS 12	FES 4	1007.00	1006.51	24"	49.5'	1.00	RCP

STRUCTURE SCHEDULE

STRUC. NO.	STRUC. TYPE	RIM ELEV.	NORTHING	EASTING
CB 1	CATCHBASIN	1017.83	607476.44	186235.86
CB 2	CATCHBASIN	1019.63	607476.18	186395.23
CB 3	CATCHBASIN	1018.83	607611.15	186335.92
CB 4	CATCHBASIN	1018.63	607827.22	186584.35
MH 5	MANHOLE	1021.05	607748.83	186500.75
MH 6	MANHOLE	1019.00	607733.08	186332.69
MH 7	MANHOLE	1017.81	607854.32	186243.12
CB 8	CATCHBASIN	1017.65	608046.57	186232.67
CB 9	CATCHBASIN	1015.70	607918.12	186118.92
CB 10	CATCHBASIN	1016.95	608182.40	186123.47
CB 11	CATCHBASIN	1019.00	608190.96	186284.00
CB 12	CATCHBASIN	1016.18	608344.16	186533.93
OCS 12	OUTLET CONTROL	1013.00	608262.05	186611.92
FES 1	FLARED END SEC.	–	608265.08	186563.12
FES 2	FLARED END SEC.	–	608295.64	186523.42
FES 3	FLARED END SEC.	–	608393.72	186534.45
FES 4	FLARED END SEC.	–	608241.97	186300.91

LEGEND

- EXISTING CONTOUR MAJOR — 1020 —
- EXISTING CONTOUR MINOR — 1020 —
- PROPOSED CONTOUR MAJOR — 1020 —
- PROPOSED CONTOUR MINOR — 1020 —
- PROPOSED STORM SEWER



DOLOSTONE FILL DETAIL

0 25 50 100
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Mn-DOT Rochester District 6 Maintenance Facility Project

Mn-DOT PROJECT No. 10-6122
Mn-DOT Bldg No. 91225

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Date: 6/22/2010 Reg. No. 44821

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Sheet Title

GRADING & DRAINAGE PLAN - PHASE ONE

Sheet No.

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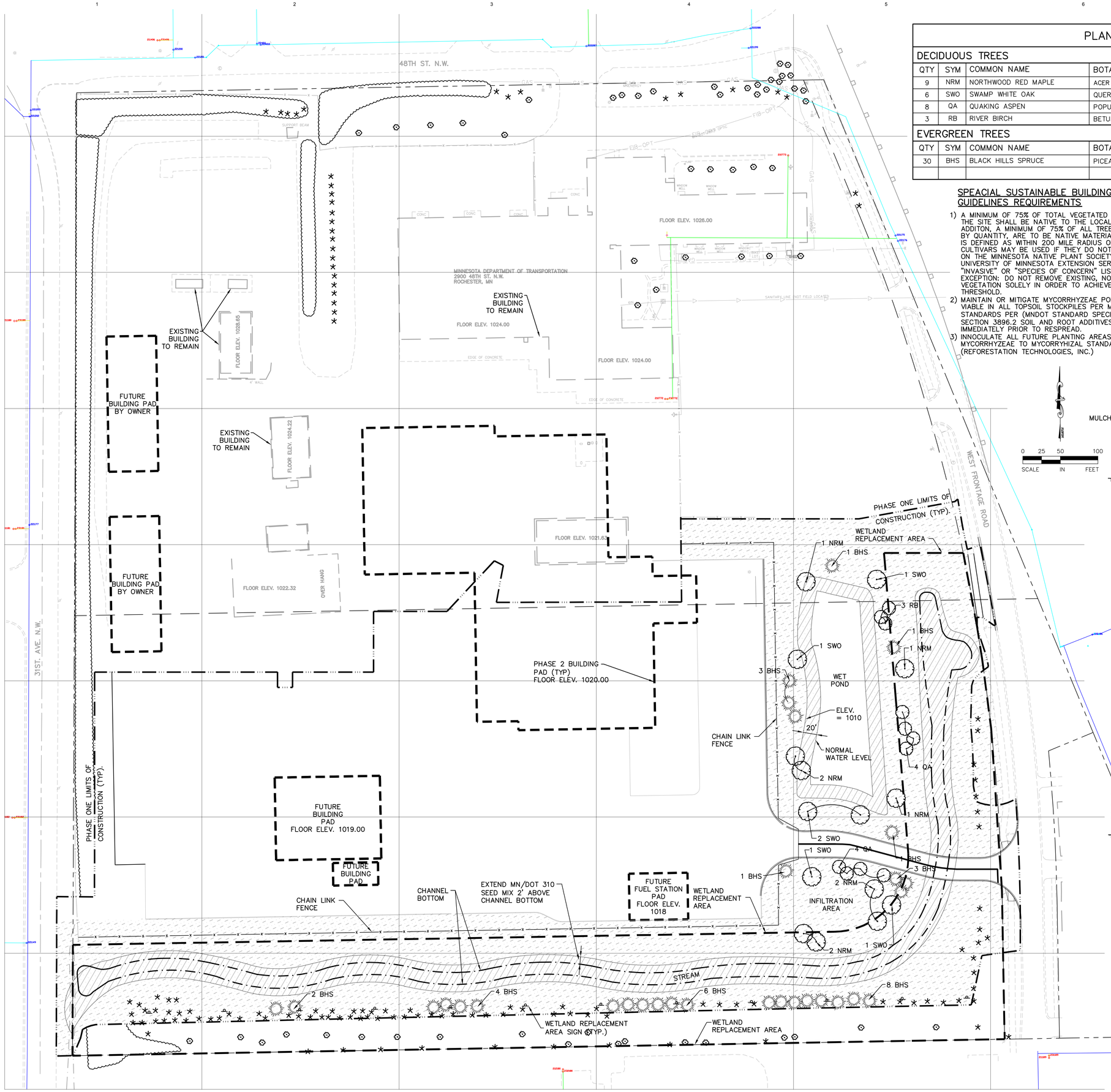


PLANT SCHEDULE

DECIDUOUS TREES

QTY	SYM	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	REMARKS
9	NRM	NORTHWOOD RED MAPLE	ACER RUBRUM 'NORTHWOOD'	2.5" CAL.	B&B	SINGLE STEM
6	SWO	SWAMP WHITE OAK	QUERCUS BICOLOR	2.5" CAL.	B&B	SINGLE STEM
8	QA	QUAKING ASPEN	POPULUS TREMULOIDES	#10	CONT.	SINGLE STEM
3	RB	RIVER BIRCH	BETULA NIGRA	#10	CONT.	MULTI STEM

EVERGREEN TREES

QTY	SYM	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	REMARKS
30	BHS	BLACK HILLS SPRUCE	PICEA GLAUCA DENSATA	6' HT.	B&B	STRAIGHT LEADER

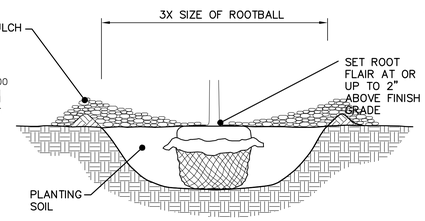
SPEACIAL SUSTAINABLE BUILDING GUIDELINES REQUIREMENTS

1) A MINIMUM OF 75% OF TOTAL VEGETATED AREA ON THE SITE SHALL BE NATIVE TO THE LOCAL AREA. IN ADDITON, A MINIMUM OF 75% OF ALL TREES SHURBS, BY QUANTITY, ARE TO BE NATIVE MATERIAL. NATIVE IS DEFINED AS WITHIN 200 MILE RADIUS OF THE SITE. CULTIVARS MAY BE USED IF THEY DO NOT APPEAR ON THE MINNESOTA NATIVE PLANT SOCIETY OR UNIVERSITY OF MINNESOTA EXTENSION SERVICE "INVASIVE" OR "SPECIES OF CONCERN" LISTS. EXCEPTION: DO NOT REMOVE EXISTING, NON-INVASIVE VEGETATION SOLELY IN ORDER TO ACHIEVE THIS THRESHOLD.
2) MAINTAIN OR MITIGATE MYCORRHYZEAE POPULATIONS VIABLE IN ALL TOPSOIL STOCKPILES PER MYCORHIZAL STANDARDS PER (MNDOT STANDARD SPECIFICATION SECTION 3896.2 SOIL AND ROOT ADDITIVES) IMMEDIATELY PRIOR TO RESPREAD.
3) INNOCULATE ALL FUTURE PLANTING AREAS WITH MYCORRHYZEAE TO MYCORRYHIZAL STANDARDS PER (REFORESTATION TECHNOLOGIES, INC.)

LEGEND

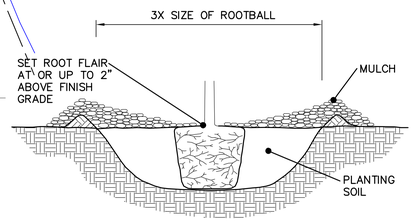
	EXISTING TREES (TO REMAIN)
	SEED MIX C – Mn/DOT 310
	SEED MIX D – Mn/DOT 328

NOTE:
- MULCH ALL DECIDUOUS TREES WITH 3' DIA. RING AND ALL EVERGREEN TREES TO DRIP LINE WITH 4" OF DOUBLE SHREDDED HARDWOOD MULCH. APPLY PRE-EMERGENT HERBICIDE SUCH AS PREEN PRIOR TO MULCH PLACEMENT
- SEED ALL AREAS TO PHASE 1 LIMITS OF CONSTRUCTION WITH Mn/DOT 250 SEED MIX UNLESS OTHERWISE NOTED
- TREE SPACING PER PLANS



BALLED & BURLAPPED STOCK

1. SCARIFY SIDES AND BOTTOM OF HOLE.
2. PROCEED WITH CORRECTIVE PRUNING.
3. SET PLANT ON UNDISTURBED NATIVE SOIL OR THOROUGHLY COMPACTED PLANTING SOIL. INSTALL 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. 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.
6. PLUMB AND BACKFILL WITH PLANTING SOIL.
7. WATER THOROUGHLY WITHIN 2 HOURS TO SETTLE PLANTS AND FILL VOIDS.
8. BACK FILL VOIDS AND WATER SECOND TIME.
9. PLACE MULCH WITHIN 48 HOURS OF THE SECOND WATERING UNLESS SOIL MOISTURE IS EXCESSIVE.
10. MULCH TO BE MN/DOT 3882 TYPE 6 MODIFIED SEE SPECS. PULL MULCH BACK NO LESS THAN 4" AND NO MORE THAN 6" FROM TREE TRUNKS. MAINTAIN FULL 3" DEPTH.
11. INCORPORATE A MINIMUM OF 4" GRADE 2 COMPOST WITH INPLACE SOILS.



CONTAINER STOCK

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 PLANTS AND FILL VOIDS.
7. BACK FILL VOIDS AND WATER SECOND TIME.
8. PLACE MULCH WITHIN 48 HOURS OF THE SECOND WATERING UNLESS SOIL MOISTURE IS EXCESSIVE.
9. MULCH TO BE MN/DOT 3882 TYPE 6 MODIFIED SEE SPECS. PULL MULCH BACK NO LESS THAN 4" AND NO MORE THAN 6" FROM TREE TRUNKS. MAINTAIN FULL 3" DEPTH.
10. INCORPORATE A MINIMUM OF 4" GRADE 2 COMPOST WITH INPLACE SOILS.

MINNESOTA DEPARTMENT OF TRANSPORTATION

Mn-DOT Rochester District 6 Maintenance Facility Project

Mn-DOT PROJECT No. 10-6122
Mn-DOT Bldg No. 91225

BWBR ARCHITECTS
Lawson Commons
380 St. Peter Street, Suite 600
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2550 UNIVERSITY AVE. WEST, SUITE 345N
ST. PAUL, MINNESOTA 55114
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Name: Thomas P. Hirsch
Date: 6/22/2010 Reg. No. 18349

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Sheet Title

LANDSCAPE PLAN - PHASE ONE

Sheet No.

201.3LA

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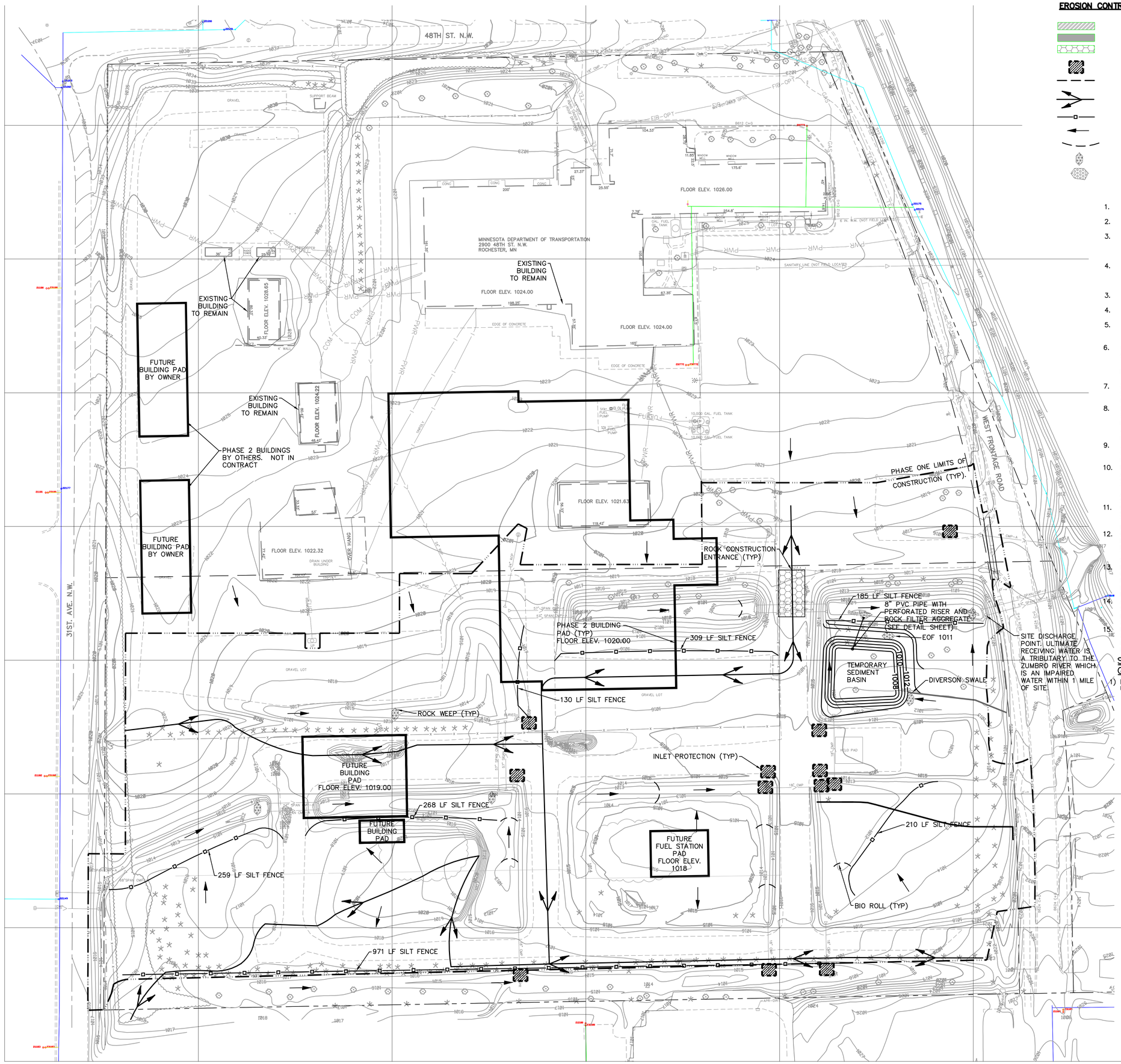

EROSION CONTROL LEGEND

- CATEGORY 3 EROSION AND SEDIMENT CONTROL BLANKET
- CATEGORY 4 EROSION AND SEDIMENT CONTROL BLANKET
- ROCK CONSTRUCTION ENTRANCE
- INLET PROTECTION
- LIMITS OF CONSTRUCTION
- LIMITS OF DRAINAGE SUB-BASIN
- EROSION CONTROL FENCE
- DRAINAGE FLOW DIRECTION
- BIOROLL
- ROCK WEEPER
- RIP RAP

EROSION CONTROL NOTES:

1. REFERENCE SHEET 201.5ES FOR PROPOSED CONSTRUCTION PHASING.
2. SEE SHEETS 204.1–204.4 FOR DETAILS OF EROSION CONTROL MEASURES DETAILED IN THE PLAN ABOVE.
3. THE STORMWATER POLLUTION PREVENTION PLAN IS COMPRISED OF DRAWINGS 201.4ES, 201.5 ES, THE STANDARD DETAILS, THE SWPPP NARRATIVE, PLUS THE GENERAL PERMIT, AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
4. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHAL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT ALL PHASES OF CONSTRUCTION.
3. CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRE BY THE GENERAL PERMIT.
4. DUST ON THE SITE SHALL BE CONTROLLED ACCORDING TO THE GENERAL PERMIT.
5. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
6. GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE CONCRETE WASH WATER LOCATIONS, ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED ACCORDING TO THE GENERAL PERMIT.
7. OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN–UP FUEL OR CHEMICAL SPILLS AND LEAKS.
8. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORMWATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
9. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.
10. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY OR TEMPORARILY STOPPED SHALL BE STABILIZED NO LATER THAN 48 HOURS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURING IN THESE AREAS IN ACCORDANCE WITH THE STATE OF FMINNESOTA SUSTAINABLE BILDING GUIDLINES.
11. ON–SITE & OFFSITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES.
12. CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
13. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, CHECK DAMS, ETC.) TO PREVENT EROSION AND POLLUTANT DISCHARGE.
14. ANY DEWATERING ACTIVITIES REQUIRED FOR CONSTRUCTION SHALL BE INACCORDANCE WITH THE MPCA'S GENERAL PERMIT AND THE DNR'S DEWATERING REGULATIONS. ALL WATER MUST BE TREATED PRIOR TO DISCHARGE.
15. INSPECT, REPAIR AND COVER EROSION–DAMAGED AREAS WITHIN 6 HOURS OF EVERY 24 HOUR STORM EVENT THAT IS GREATER THAN OR EQUAL TO 0.75 INCHES OF RAINFALL DEPTH.

SPEACIAL SUSTAINABLE BUILDING GUIDELINES REQUIREMENTS

1) LIMIT SEDIMENT DISCHARGE TO 5 TONS PER ACRE PER YEAR USING THE RUSSLE METHOD.

Mn-DOT Rochester District 6 Maintenance Facility Project

Mn-DOT PROJECT No. 10-6122 Mn-DOT Bldg No. 91225

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Name David J. Cole

Date: 6/22/2010 Reg. No. 44821

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Sheet Title

EROSION & SEDIMENT CONTROL - PREDEVELOPMENT

Sheet No.

201.4ES

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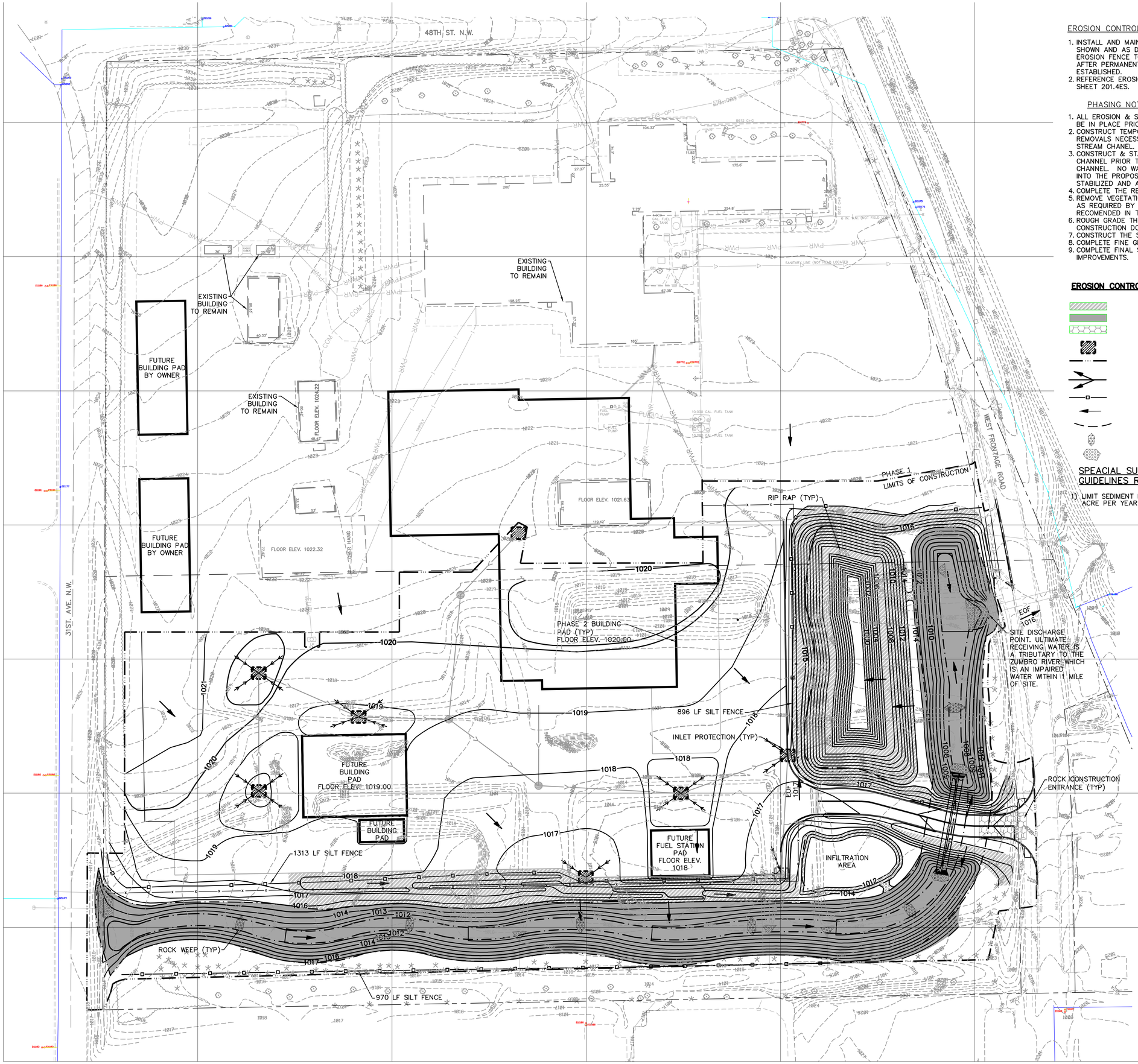

EROSION CONTROL NOTES:

1. INSTALL AND MAINTAIN EROSION CONTROL FENCE AS SHOWN AND AS DIRECTED BY ENGINEER IN FIELD. EROSION FENCE TO BE REMOVED BY CONTRACTOR AFTER PERMANENT VEGETATION HAS BEEN ESTABLISHED.
2. REFERENCE EROSION & SEDIMENT CONTROL NOTES ON SHEET 201.4ES.

PHASING NOTES:

1. ALL EROSION & SEDIMENT CONTROL MEASURES SHALL BE IN PLACE PRIOR TO EARTH MOVING ACTIVITIES.
2. CONSTRUCT TEMPORARY FENCE AND COMPLETE REMOVALS NECESSARY TO CONSTRUCT THE PROPOSED STREAM CHANEL.
3. CONSTRUCT & STABILIZE THE PROPOSED STREAM CHANNEL PRIOR TO REMOVAL OF THE EXISTING CHANNEL. NO WATER SHALL BE ALLOWED TO FLOW INTO THE PROPOSED CHANNEL UNTIL IT IS FULLY STABILIZED AND APPROVED BY THE ENGINEER.
4. COMPLETE THE REMAINDER OF THE SITE REMOVALS.
5. REMOVE VEGETATION & BACKFILL EXISTING CHANNEL AS REQUIRED BY THE SPECIFICATIONS AND AS RECOMENDED IN THE GEOTECHNICAL REPORT.
6. ROUGH GRADE THE SITE IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.
7. CONSTRUCT THE SITE UTILITY IMPROVEMEMNTS.
8. COMPLETE FINE GRADING AND PAVING OPERATIONS.
9. COMPLETE FINAL STABILIZATION & LANDSCAPE IMPROVEMENTS.

EROSION CONTROL LEGEND

- CATEGORY 3 EROSION AND SEDIMENT CONTROL BLANKET
- CATEGORY 4 EROSION AND SEDIMENT CONTROL BLANKET
- ROCK CONSTRUCTION ENTRANCE
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Sheet Title

EROSION & SEDIMENT CONTROL - POST DEVELOPMENT

Sheet No.

201.5ES

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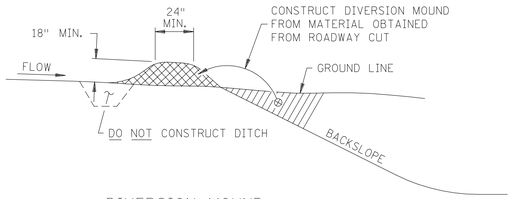
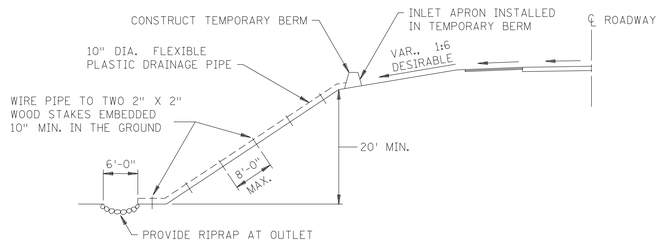


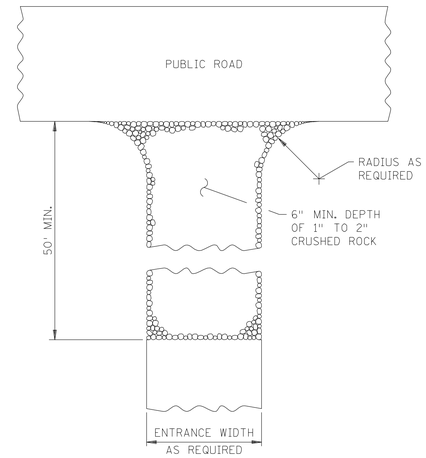
DIVERSION MOUND

DESIGN GUIDELINES:
STORM FREQUENCY: 10 YEAR - 24 HOUR
MAXIMUM DRAINAGE AREA: 5 ACRES
MAXIMUM DIVERSION: GRADE 5%

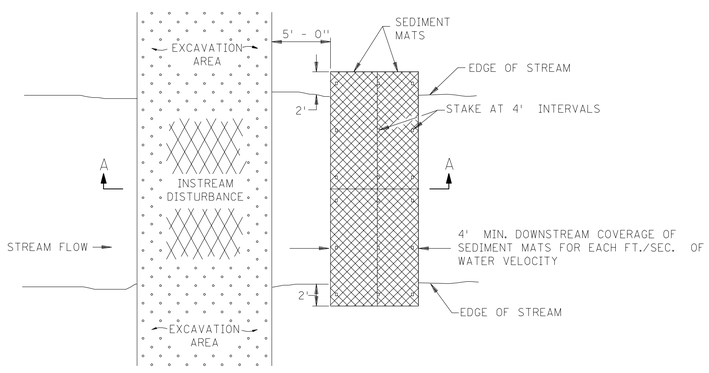


TEMPORARY DOWN DRAIN ON FILL SLOPE

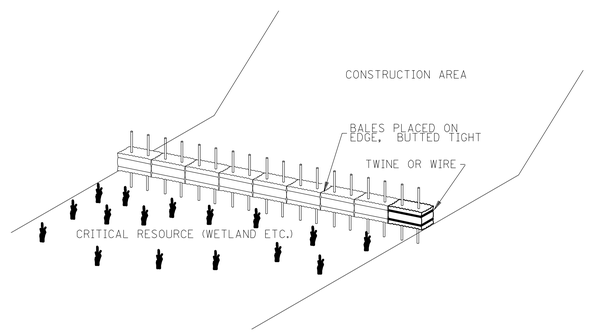
DESIGN GUIDELINES:
STORM FREQUENCY: 2 YEAR - 24 HOUR
MAXIMUM DRAINAGE AREA: 3 ACRES



ROCK CONSTRUCTION ENTRANCE ①

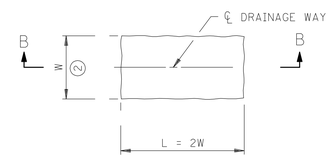


PLAN VIEW

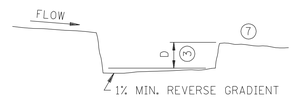


BALE BARRIERS

TO BE USED FOR CRITICAL PERIMETER CONTROL AREAS

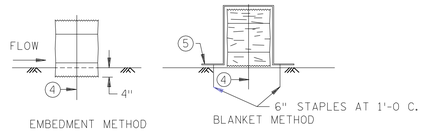


PLAN



SECTION B-B

SEDIMENT TRAP DETAIL



BALE BARRIER DETAIL

APPROX. BALE SIZE: 14" X 18" X 36" LONG

NOTES:

SEE SPECS. 2573, 3892, & 3894.

① ROCKS AT ENTRANCE CLEAN WORKSITE MUD OFF OF TRUCK TIRES BEFORE TRUCKS ENTER MAIN ROAD. KEEPING MUD OFF THE ROAD WILL PREVENT AUTO DAMAGE AND KEEP CONSTRUCTION SEDIMENT OUT OF DRAINAGE SYSTEMS AND WETLANDS. GEOTEXTILE MAY BE PLACED UNDER THE ROCK TO KEEP ROCKS SEPARATE FROM SOIL.

② W = 10 FT. MIN., 20 FT. MAX.

③ D = 2 FT.

④ TWO 2 IN. X 2 IN. WOOD STAKES OR REINFORCING BARS IN EACH BALE EMBEDDED 10 INCHES MINIMUM IN THE GROUND.

⑤ PLACE A CATEGORY 3 EROSION CONTROL BLANKET, 6 FT. WIDE MINIMUM, OVER THE BALE INSTEAD OF TRENCHING.

⑥ THIS DETAIL MAY NOT BE ACCEPTABLE FOR WORK ON PUBLIC WATERS, SEE GENERAL PUBLIC WATERS PERMIT (GP) 2004-0001.

⑦ LOCATION OF DOWNSTREAM TEMPORARY SEDIMENT CONTROL DEVICE.

STANDARD SHEET NO.	TITLE:
5-297.405 (2 of 4)	TEMPORARY SEDIMENT CONTROL MISCELLANEOUS DETAILS
STANDARD APPROVED: SEPTEMBER 27, 2006	

MINNESOTA DEPARTMENT OF TRANSPORTATION

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Sheet Title

EROSION CONTROL DETAILS

Sheet No.

204.1

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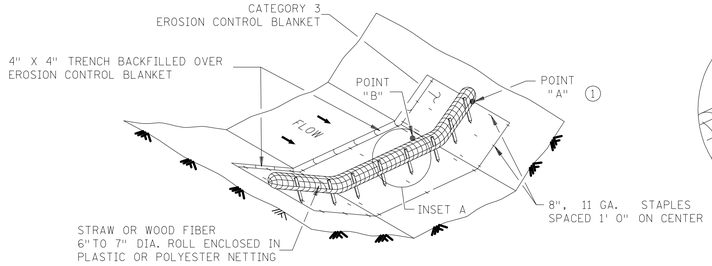
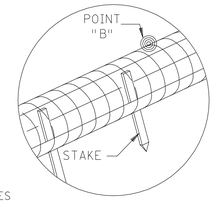
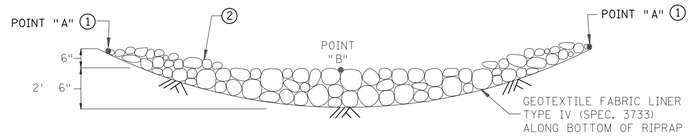


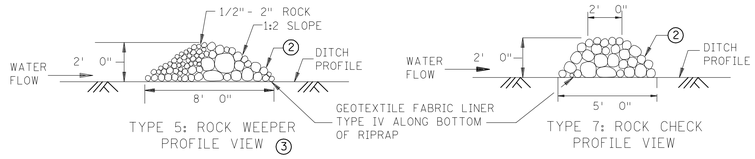
TYPE 3: BIOROLL BLANKET SYSTEM DITCH CHECK



INSET A



CROSS SECTION (ROCK WEEPER AND ROCK CHECK)

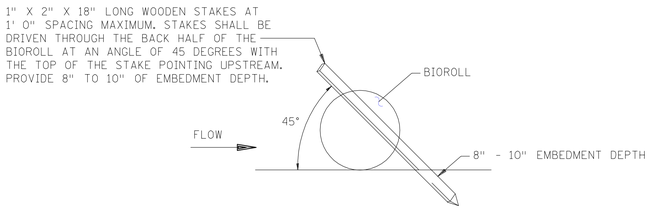


TYPE 5: ROCK WEEPER
PROFILE VIEW 3

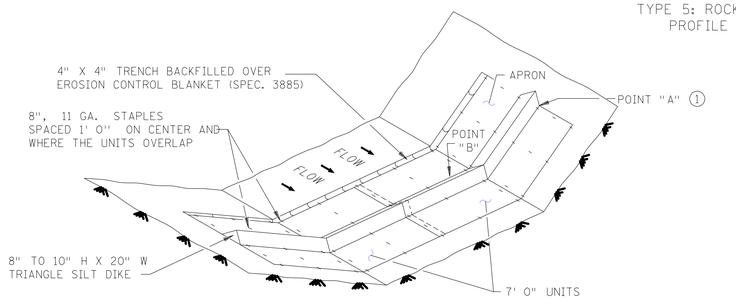
TYPE 7: ROCK CHECK
PROFILE VIEW

TYPE 5: ROCK WEEPER AND
TYPE 7: ROCK CHECK DITCH CHECKS 4

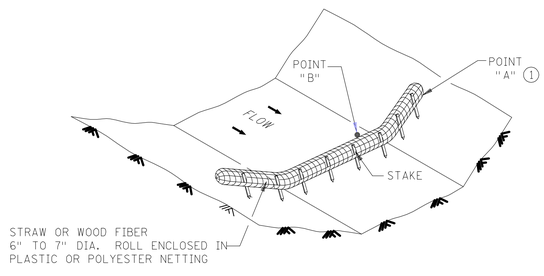
USE ON ROUGH GRADED AREAS



BIOROLL STAKING DETAIL

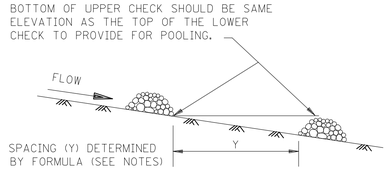


TYPE 6: GEOTEXTILE TRIANGULAR DIKE DITCH CHECK

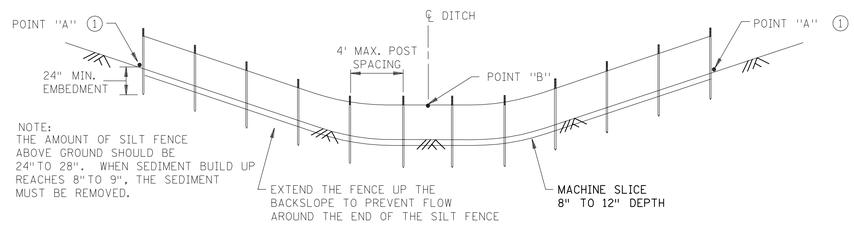


TYPE 2: BIOROLL DITCH CHECK

USE ON ROUGH GRADED AREAS



DITCH CHECK SPACING 4



TYPE 1: SLICED IN SILT FENCE DITCH CHECK

NOTES:

SEE SPECS. 2573, 3601, 3733, 3885, 3886 & 3889.

APPROXIMATE SPACING BETWEEN EACH DITCH CHECK SHOULD BE DETERMINED FROM THE FOLLOWING SPACING FORMULA:

$$\text{APPROXIMATE SPACING OF DITCH CHECKS (FT.)} = Y = \frac{\text{DITCH CHECK HEIGHT (FT)}}{\text{\% CHANNEL SLOPE}} \times 100$$

1. POINT "A" MUST BE A MINIMUM OF 6 INCHES HIGHER THAN POINT "B" TO ENSURE THAT WATER FLOWS OVER THE DIKE AND NOT AROUND THE ENDS.
2. CLASS I - IV RIPRAP (SPEC. 3601) WITH GEOTEXTILE FABRIC LINER, TYPE IV (SPEC. 3733).
3. THE ROCK WEEPER FILTERS SEDIMENT OUT OF THE WATER BETTER THAN THE OTHER DITCH CHECKS. THE ROCK WEEPER COULD BE USED AS A PERMANENT WATER FILTERING FEATURE.
4. PERMANENT ROCK DITCH CHECKS PLACED WITHIN THE CLEAR ZONE WILL NEED TO BE 18" OR LESS IN HEIGHT. A 1:6 APPROACH AND DEPARTURE SLOPE SHALL BE PROVIDED.

GENERAL DESIGN GUIDELINES

DITCH CHECK TYPE	SILT FENCE	BIOROLL	BIOROLL BLANKET	TRIANGULAR DIKE	ROCK WEEPER	ROCK CHECK
STORM FREQUENCY: MAX. FLOW VELOCITY: MAX. DITCH GRADE: MAX. DRAINAGE AREA:	2 YR. - 24 HR. < 1 FT./SECOND 0% - 0.5% 1 ACRE	2 YR. - 24 HR. 1.5 FT./SECOND 1.5% - 3% 2 ACRE	2 YR. - 24 HR. 4.5 FT./SECOND 1.5% - 3% 2 ACRE	2 YR. - 24 HR. 1.5 FT./SECOND 1.5% - 2.0% 4 ACRE	5 YR. - 24 HR. 12 FT./SECOND 3% - 5% 4+ ACRE	5 YR. - 24 HR. 12 FT./SECOND 3% - 5% 4+ ACRE

STANDARD SHEET NO.
5-297.405 (3 OF 4)
STANDARD APPROVED:
SEPTEMBER 27, 2006

TEMPORARY SEDIMENT CONTROL
DITCH CHECK/BARRIER

MINNESOTA DEPARTMENT OF TRANSPORTATION

Mn-DOT Rochester District 6 Maintenance Facility Project

Mn-DOT PROJECT No. 10-6122
Mn-DOT Bldg No. 91225

BWBR ARCHITECTS
Lawson Commons
380 St. Peter Street, Suite 600
Saint Paul, MN 55102-1996
651.222.3701

Consultants
Kimley-Horn and Associates, Inc.
2550 UNIVERSITY AVE. WEST, SUITE 345N
ST. PAUL, MINNESOTA 55114
TEL. NO. (651) 645-4197
FAX. NO. (651) 645-5116

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Name David J. Cole
Date 6/22/2010 Reg. No. 44821

Issued For

Item	Date
95% CD'S	5/10/2010
CITY PERMIT SUBMITTAL	6/03/2010
100% CD	6/22/2010

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Sheet Title
EROSION CONTROL DETAILS

Sheet No.
204.2

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3/03/2004 12:47:40 PM

MN/DOT STANDARD PLATES

THE FOLLOWING STANDARD PLATES, APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION, SHALL APPLY ON THIS PROJECT.

PLATE NO.	DESCRIPTION
3000L	REINFORCED CONCRETE PIPE (5 SHEETS)
3006G	GASKET JOINT FOR RC PIPE (2 SHEETS)
3100G	CONCRETE APRON FOR REINFORCED CONCRETE PIPE
3133C	RIPRAP AT RCP OUTLETS
3134C	RIPRAP AT CMP OUTLETS
4005L	MANHOLE OR CATCHBASIN – DESIGN F
4010H	CONCRETE SHORT CONE AND ADJUSTING RING
4011E	PRECAST CONCRETE BASE
4020J	MANHOLE OR CATCHBASIN (2 SHEETS)
4022A	MANHOLE OR CATCHBASIN COVER
4024A	48" DIAMETER PRECAST SHALLOW DEPTH CATCHBASIN
4026A	CONCRETE ENCASED CONCRETE ADJUSTING RINGS
4108F	ADJUSTING RINGS FOR CATCHBASINS AND MANHOLES
4110F	COVER CASTING FOR MANHOLE
4149C	GRATE CASTING FOR CATCH BASIN
4180J	MANHOLE OR CATCHBASIN STEP
7020J	CONCRETE CURB (2 SHEETS)
7036F	PEDESTRIAN CURB RAMP (2 SHEETS)
7100H	CONCRETE CURB AND GUTTER – DESIGN B AND DESIGN V
7111J	INSTALLATION OF CATCHBASIN CASTINGS
9322K	CHAIN LINK FENCE (2 SHEETS)

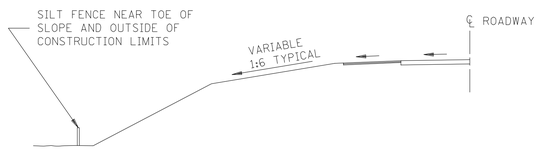
SEE PROJECT MANUAL FOR COPIES OF STANDARD PLATES NOTED ABOVE

CITY OF ROCHESTER STANDARD PLATES

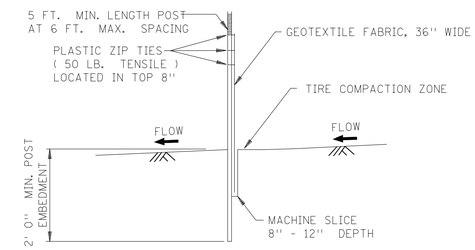
THE FOLLOWING STANDARD PLATES, APPROVED BY THE CITY OF ROCHESTER, SHALL APPLY ON THIS PROJECT.

PLATE NO.	DESCRIPTION
5–02	POLYSTYRENE INSULATION
6–01	VALVE EXTENSION STEM
6–04	HYDRANT BRANCH DETAIL
6–05	RESTRAINED JOINT DETAIL
6–08	ELECTRICAL CONTINUITY
6–09	INSTALLATION DETAIL
6–10	FIRE HYDRANT THREAD PATTERN (4 INCH NOZZLE)
6–15	TYPICAL FITTING CUT–IN AND REMOVAL DETAILS
6–17	HYDRANT PROTECTIVE POSTS

SEE PROJECT MANUAL FOR COPIES OF STANDARD PLATES NOTED ABOVE

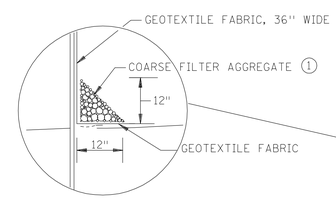


LOCATION OF SILT FENCE AT TOE OF EMBANKMENT

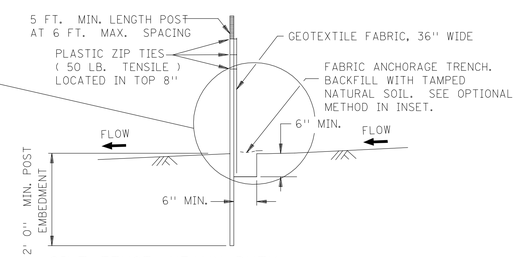


SILT FENCE, MACHINE SLICED

DESIGN GUIDELINES:
TO PROTECT AREAS FROM SHEET FLOW.
MAXIMUM CONTRIBUTING AREA: 1 ACRE.

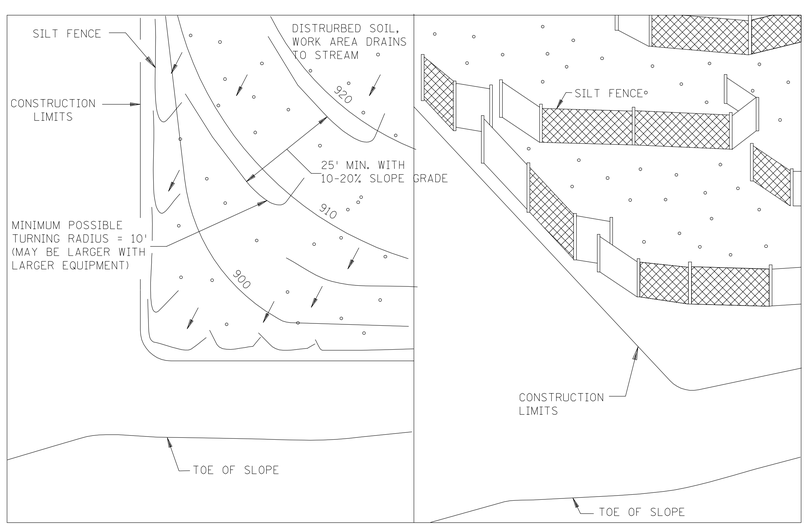


OPTIONAL METHOD FOR SILT FENCE, HEAVY DUTY



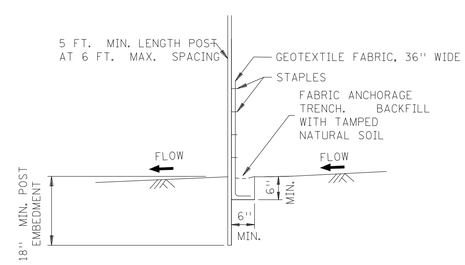
SILT FENCE, HEAVY DUTY
(HAND INSTALLED)

DESIGN GUIDELINES:
TO PROTECT AREAS FROM SHEET FLOW.
MAXIMUM CONTRIBUTING AREA: 1 ACRE.



PLAN VIEW SIDE VIEW

SILT FENCE, J-HOOK INSTALLATION



SILT FENCE, PREASSEMBLED

DESIGN GUIDELINES:
TO PROTECT AREAS FROM SHEET FLOW.
MAXIMUM CONTRIBUTING AREA: 1 ACRE.

NOTES:

SEE SPECS. 2573, 3149 & 3886.

1 COARSE FILTER AGGREGATE (SPEC. 3149) SHALL BE INCIDENTAL.

STANDARD SHEET NO.	TITLE:
5-297.408 (1 OF 2)	TEMPORARY SEDIMENT CONTROL SILT FENCE
STANDARD APPROVED: SEPTEMBER 27, 2006	

MINNESOTA DEPARTMENT OF TRANSPORTATION

Mn-DOT Rochester District 6 Maintenance Facility Project

Mn-DOT PROJECT No. 10-6122
Mn-DOT Bldg No. 91225

BWBR ARCHITECTS

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380 St. Peter Street, Suite 600
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Date. 6/22/2010 Reg. No. 44821

Issued For

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95% CD	5/10/2010
CITY PERMIT SUBMITTAL	6/03/2010
100% CD	6/22/2010

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06/22/2010	TLG
Comm. No.	Checked
3.2008.208.00	DJC

Sheet Title

EROSION CONTROL DETAILS

Sheet No.

204.3

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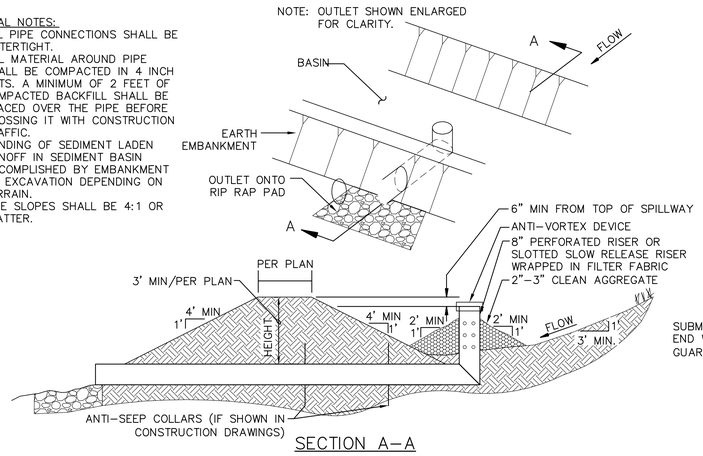
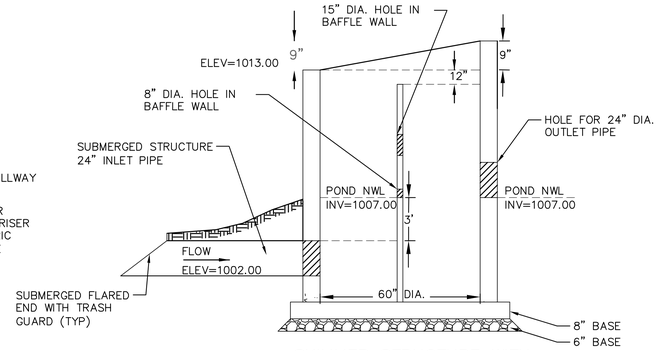
GENERAL NOTES:
1. ALL PIPE CONNECTIONS SHALL BE WATERTIGHT.
2. FILL MATERIAL AROUND PIPE SHALL BE COMPACTED IN 4 INCH LIFTS. A MINIMUM OF 2 FEET OF COMPACTED BACKFILL SHALL BE PLACED OVER THE PIPE BEFORE CROSSING IT WITH CONSTRUCTION TRAFFIC.
3. PONDING OF SEDIMENT LADEN RUNOFF IN SEDIMENT BASIN ACCOMPLISHED BY EMBANKMENT OR EXCAVATION DEPENDING ON TERRAIN.
4. SIDE SLOPES SHALL BE 4:1 OR FLATTER.



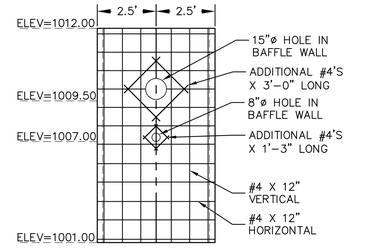
SECTION A–A

SEDIMENT BASIN WITH PIPE OUTLET

N.T.S.



SKIMMER STRUCTURE WITH CONCRETE BAFFLE WALL

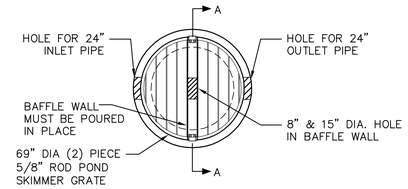


NOTE:
1. CONTRACTOR TO INSTALL STEPS PER MN/DOT STANDARD PLATE 4180J.

SECTION A–A

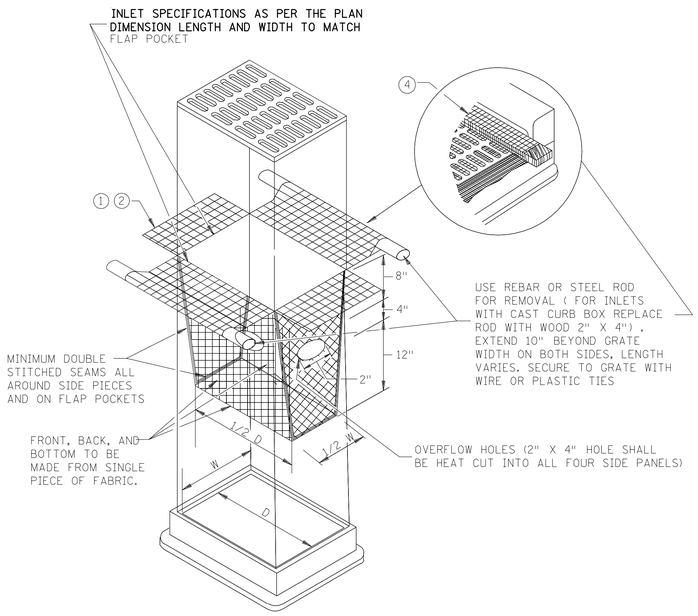
CONCRETE BAFFLE WALL

OUTLET CONTROL STRUCTURE 12



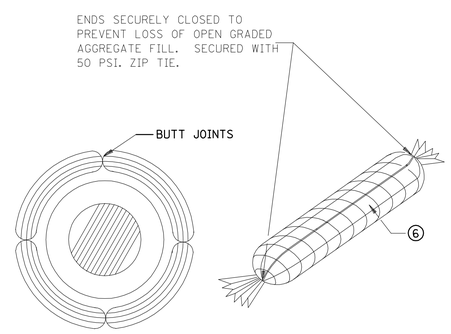
NOTE:
1. GRATE TO BE INSTALLED IN TWO PIECES
2. ALL METAL TO BE HOT-DIPPED GALVANIZED

SKIMMER GRATE

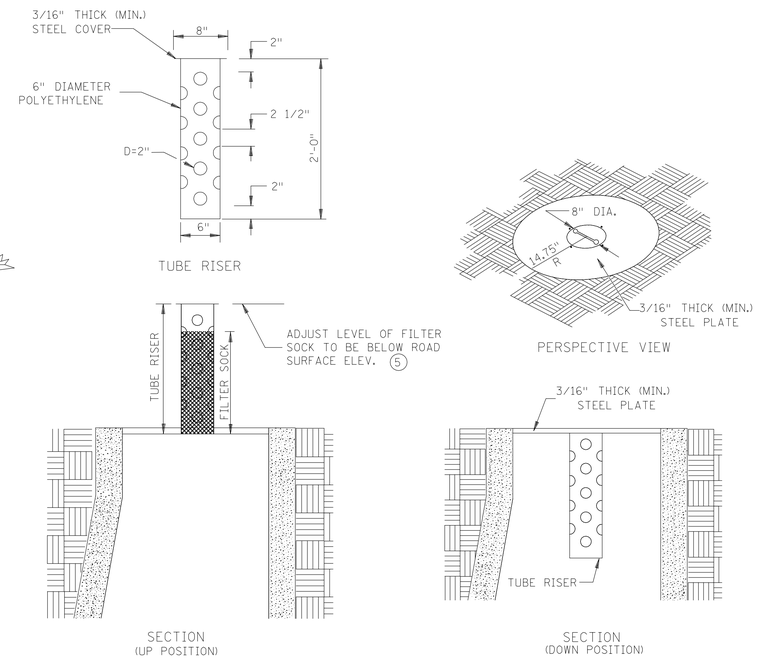


FILTER BAG INSERT ③

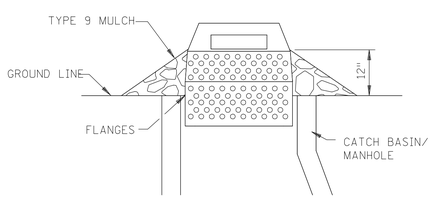
(CAN BE INSTALLED IN ANY INLET TYPE WITH OR WITHOUT A CURB BOX)



ROCK LOG/COMPOST LOG

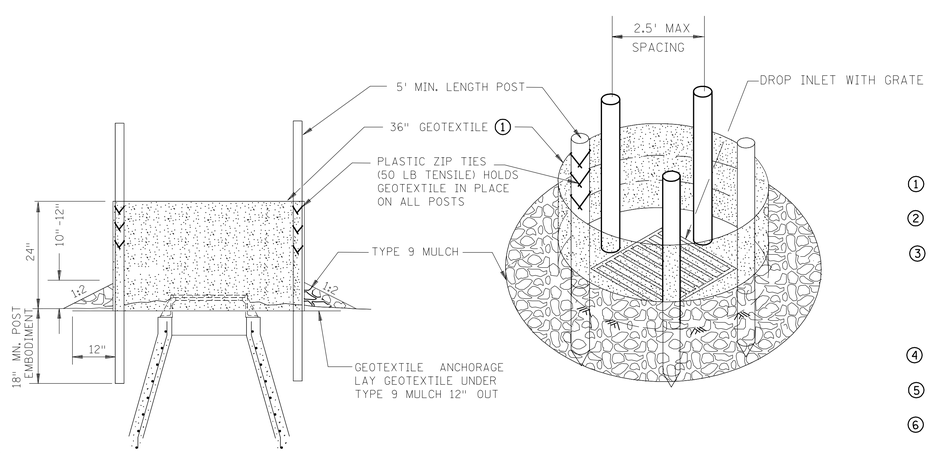


POP-UP HEAD



SEDIMENT CONTROL INLET HAT

NOTE:
THE SEDIMENT CONTROL BARRIER SHALL BE A METAL OR PLASTIC/POLYETHYLENE RISER SIZED TO FIT INSIDE THE CATCH BASIN/MANHOLE; HAVE PERFORATIONS TO ALLOW FOR WATER INFILTRATION; HAVE AN OVERFLOW OPENING, FLANGES AND A LID/COVER.



SILT FENCE RING AND ROCK FILTER BERM

USE WHERE INLET DRAINS IN AN AREA WITH SLOPES AT 1:3 or LESS

NOTES:
SEE SPECS. 2573, 3137, 3886 & 3891.

MANUFACTURED ALTERNATIVES LISTED ON Mn/DOT'S APPROVED PRODUCTS LIST MAY BE SUBSTITUTED.

① ALL GEOTEXTILE USED FOR INLET PROTECTION SHALL BE MONOFILAMENT IN BOTH DIRECTIONS, MEETING SPEC. 3886.

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

③ INSTALLATION NOTES:
DO NOT INSTALL FILTER BAG INSERT IN INLETS SHALLOWER THAN 30 INCHES, MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE. THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE OF 3 INCHES BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES. WHERE NECESSARY THE CONTRACTOR SHALL CLINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3 INCH SIDE CLEARANCE.

④ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2 INCH X 4 INCH OR USE A ROCK SOCK OR SAND BAGS IN PLACE OF THE FLAP POCKETS.

⑤ SOCK HEIGHT MUST NOT BE SO HIGH AS TO SLOW DOWN WATER FILTRATION TO CAUSE FLOODING OF THE ROADWAY.

⑥ GEOTEXTILE SOCK BETWEEN 4-10 FEET LONG AND 4-6 INCH DIAMETER. SEAM TO BE JOINED BY TWO ROWS OF STITCHING WITH A PLASTIC MESH BACKING OR PROVIDE A HEAT BONDED SEAM (OR APPROVED EQUIVALENT). FILL ROCK LOG WITH OPEN GRADED AGGREGATE CONSISTING OF SOUND DURABLE PARTICLES OF COARSE AGGREGATE CONFORMING TO SPEC. 3137 TABLE 3137-1; CA-3 GRADATION.

STANDARD SHEET NO.	TITLE:
297.405 (4 OF 4)	TEMPORARY SEDIMENT CONTROL STORM DRAIN INLET PROTECTION
STANDARD APPROVED: SEPTEMBER 27, 2006	

MINNESOTA DEPARTMENT OF TRANSPORTATION

Mn-DOT Rochester District 6 Maintenance Facility Project

Mn-DOT PROJECT No. 10-6122
Mn-DOT Bldg No. 91225

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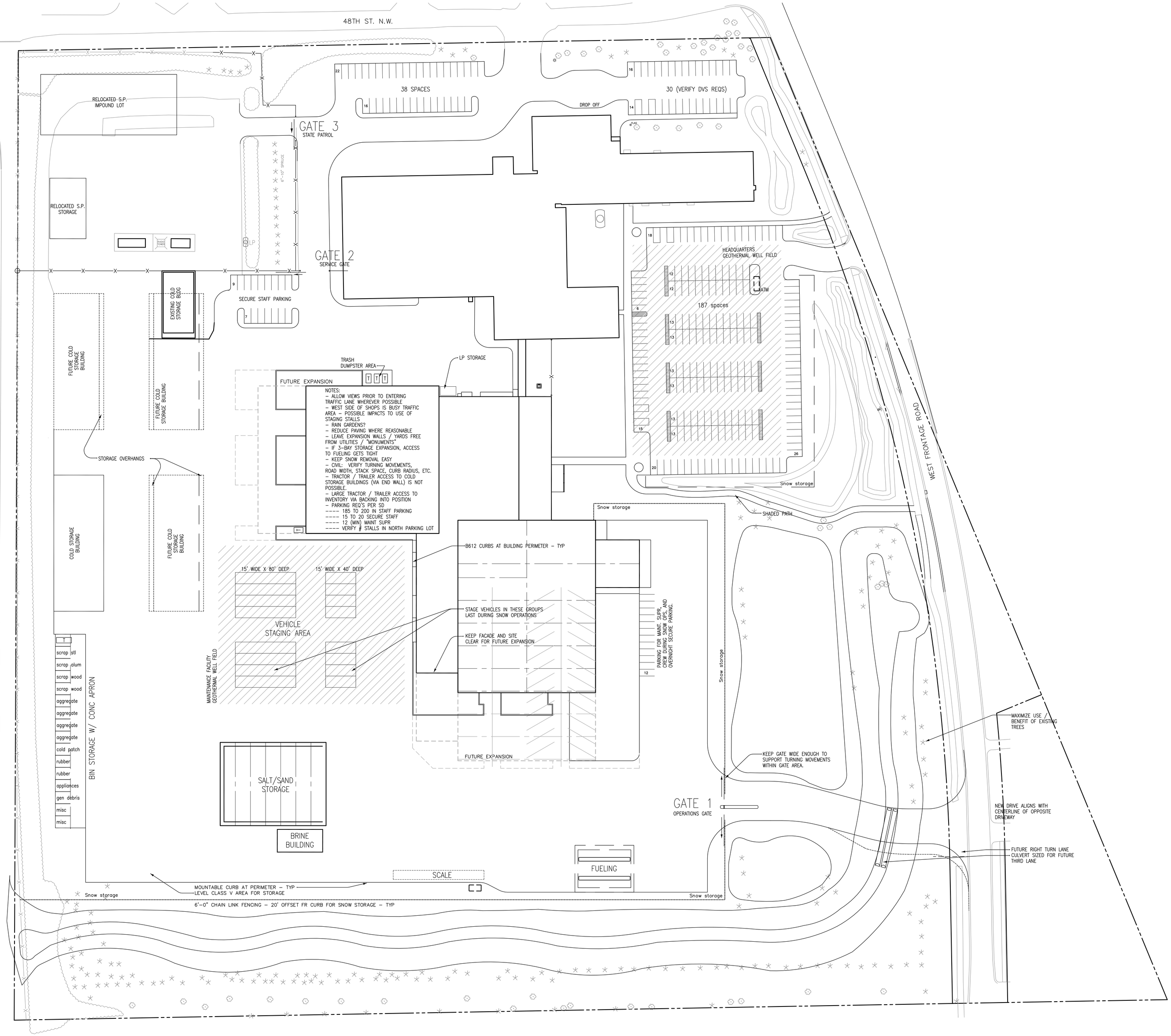

2H
402.AS
ARCHITECTURAL MASTER SITE PLAN –
ALL CONSTRUCTION PHASES CONSOLIDATED
1" = 50'–0"

30/03/2004 12:47:40 PM

Mn-DOT Rochester
District 6 Maintenance
Facility Project

Mn-DOT PROJECT
No. 10-6122
Mn-DOT Bldg No.
91225

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ARCHITECTURAL MASTER SITE PLAN - ALL PHASES CONSOLIDATED

Sheet No.

208-AS

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