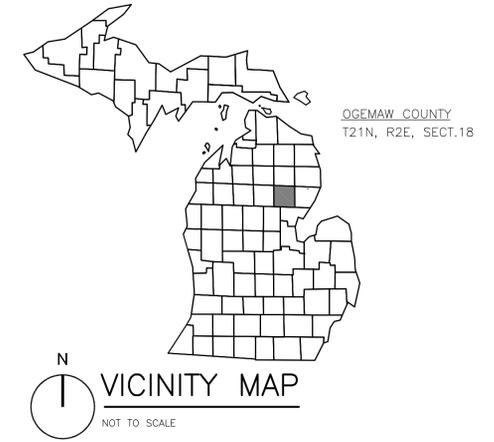


LAKE GEORGE BAS # 65-16

OGEMAW COUNTY, MICHIGAN

DEPARTMENT OF NATURAL RESOURCES & ENVIRONMENT
RECREATION DIVISION

PAVING IMPROVEMENTS
MDNR PROJECT NO. 27-9091



STATE OF MICHIGAN
DEPARTMENT OF NATURAL RESOURCES
AND ENVIRONMENT
P.O. BOX 30033 LANSING, MI 48909-7933
517.241.1919 VOICE 517.241.4278 FAX

Michigan
DNRE

BIDS & CONSTRUCTION
9/3/2009 80% OWNER REVIEW
2/20/2009 50% OWNER REVIEW

GENERAL NOTES

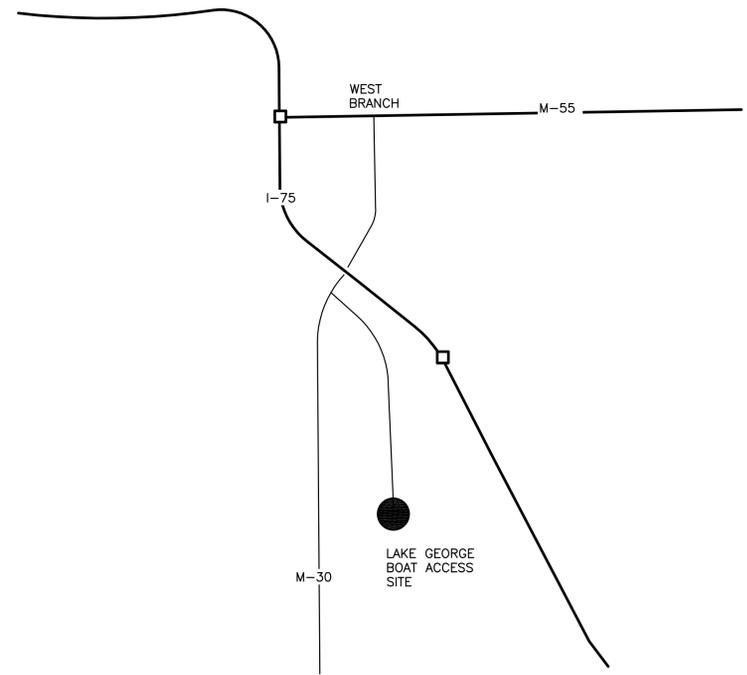
1. THIS DRAWING INDICATES THE APPROXIMATE LOCATION OF KNOWN UNDERGROUND UTILITIES BASED UPON A COMBINATION OF ORIGINAL AND AS-BUILT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE TO HAND DIG, IDENTIFY AND LOCATE ALL EXISTING UNDERGROUND UTILITIES PRIOR TO DEMOLITION OR CONSTRUCTION.
2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST "AMERICANS WITH DISABILITIES ACT - ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES".
3. THE RUNNING SLOPES ON SIDEWALKS AND ADA ROUTES SHALL NOT EXCEED 1:20 (5%) UNDER ANY CIRCUMSTANCE. TARGET = $4.5\% \pm 0.5\%$. SIDEWALKS AND ADA ROUTES SHALL HAVE CROSS SLOPES WITHIN THE RANGE OF 1% TO 2%, AND SHALL NOT EXCEED 2% UNDER ANY CIRCUMSTANCE. TARGET = $1.5\% \pm 0.5\%$
4. ADA PARKING AREA AND ACCESS HATCH AREA SHALL HAVE SLOPES LESS THAN 2% IN ANY DIRECTION.
5. IF ARTIFACTS ARE DISCOVERED DURING CONSTRUCTION, WORK IS TO STOP AND THE PROJECT ENGINEER AND/OR THE DNRE, RECREATION DIVISION IS TO BE NOTIFIED IMMEDIATELY.
6. BIDS FOR CONSTRUCTION OF ALL WORK SHOWN ON THE PLANS ARE SOLICITED ON A LUMP SUM BASIS. NO SEPARATE PAYMENT OR ADJUSTMENTS TO THE LUMP SUM BID WILL BE MADE UNLESS SPECIFICALLY INDICATED ON THE PLANS AND IN THE PROPOSAL OR WHEN ADDITIONAL WORK IS AUTHORIZED IN WRITING BY THE ENGINEER.
7. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER OF ANY DEVIATION FROM THIS PLAN.

PERMIT REQUIREMENTS

1. DRIVEWAY PERMIT FROM OGEMAW COUNTY ROAD COMMISSION/MDOT
2. RIGHT OF WAY PERMIT FROM OGEMAW COUNTY ROAD COMMISSION/MDOT
3. SOIL EROSION AND SEDIMENT CONTROL NOTICE TO PROCEED FROM THE DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENT.

CONTACT INFORMATION

- DNRE DESIGN & CONSTRUCTION UNIT.....(517)-241-1919
- DNRE PARK/SITE SUPERVISOR.....(989)-473-2258
- DNRE DISTRICT PLANNER.....TROY RIFE (231)-775-9727
- OGEMAW COUNTY ROAD COMMISSION (989)-345-0234



DRAWING INDEX

- GENERAL
- T TITLE SHEET
- CIVIL
- C1 SESC/DEMO PLAN
C2 SITE PLAN
C3 LAYOUT/GRADING PLAN
C4 SECTIONS AND DETAILS

PAVING IMPROVEMENTS
**LAKE GEORGE
BAS # 65-16**
OGEMAW COUNTY

TITLE SHEET

PROJECT NO.	27-9091
INDEX	54010
PCA	95679
DRAWN BY	SCK
DESIGNED BY	SCK
PROJ. MGR.	SCK

T

DEMOLITION NOTES

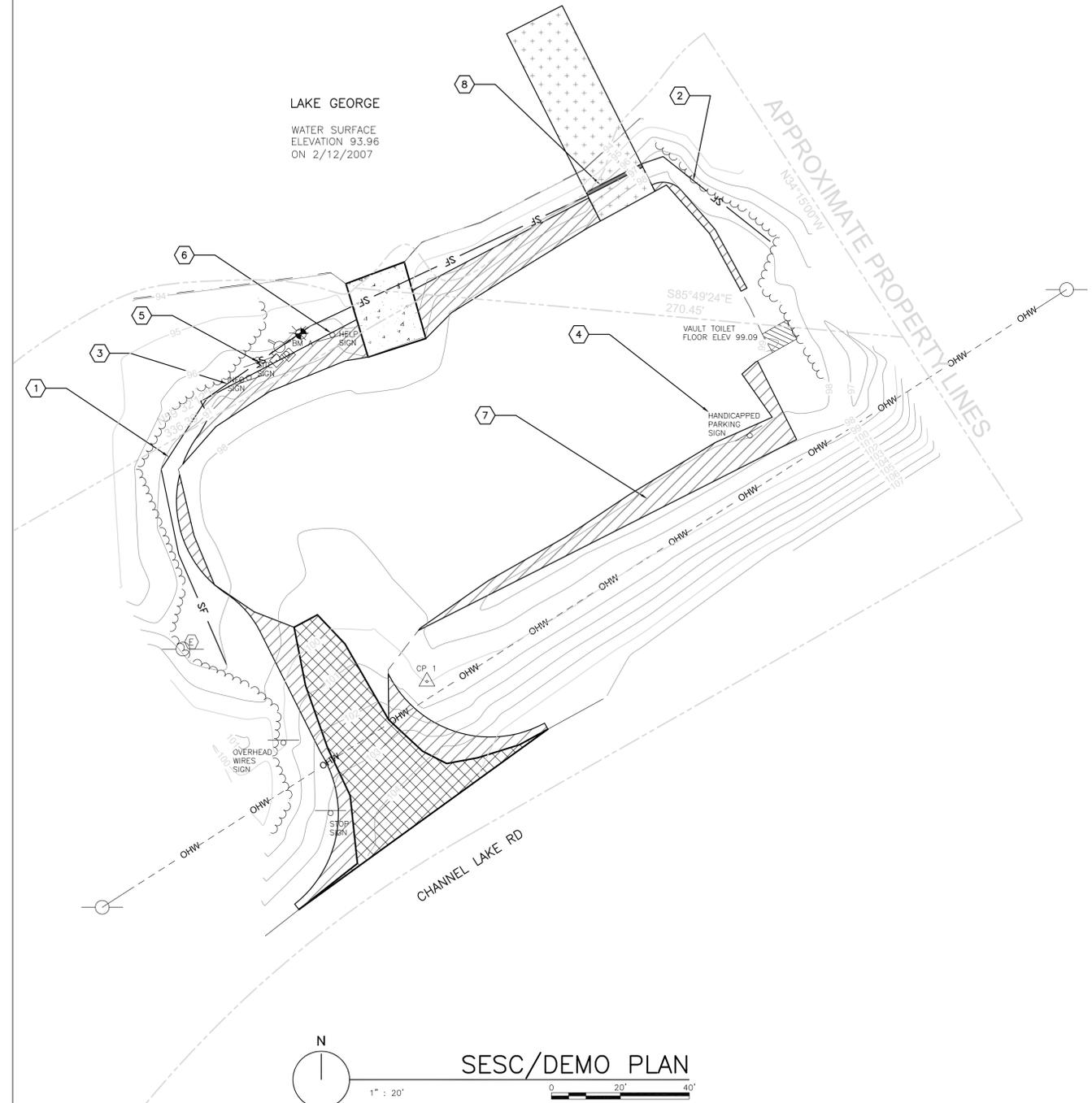
1. INSTALL ALL SILT FENCE, CHECK DAMS, RIP RAP, AND ANY OTHER SOIL EROSION & SEDIMENTATION CONTROL MEASURES PRIOR TO DEMOLITION OR CONSTRUCTION.
2. UNLESS SPECIFICALLY NOTED FOR REMOVAL ON THE PLANS, ALL SIDEWALKS, DRIVES, CULVERTS, GUARDRAILS, AND ABOVE GROUND UTILITIES SHALL BE PROTECTED. ALL SUCH UTILITIES DAMAGED OR DESTROYED DURING CONSTRUCTION SHALL BE REMOVED AND REPLACED INCIDENTAL TO CONSTRUCTION.
3. IN ADDITION TO TREE PROTECTION WHERE IDENTIFIED ON THE PLANS, CONTRACTOR SHALL CLEARLY FLAG CONSTRUCTION/GRADING LIMITS PRIOR TO DEMOLITION AND CONSTRUCTION IN ORDER TO ENSURE THAT ALL TREES BEYOND THE CONSTRUCTION/GRADING LIMITS WILL NOT BE DAMAGED.
4. REMOVE AND RELOCATE SIGNAGE AS SHOWN ON THE PLANS.
5. REMOVE AND STOCKPILE PARKING BLOCKS AS REQUIRED TO COMPLETE THE WORK. (ANY STOCKPILE OR MATERIAL STORAGE IS TO BE WITHIN THE GRADING LIMITS AS DIRECTED BY THE SITE ENGINEER).
6. REMOVE ALL VEGETATION WITHIN THE LIMITS OF THE PROPOSED HMA PAVEMENT, GRAVEL SHOULDERS AND CONCRETE SIDEWALK.
7. REMOVE AND STOCKPILE EXISTING TOPSOIL FROM INFLUENCE AREA OF PROPOSED PAVING AND AGGREGATE BASE.
8. REMOVE AND STOCKPILE EXISTING GRAVEL BASE AS NECESSARY TO ALLOW REGRADING OF SUBBASE.
9. TREES 4" AND LARGER REMOVED AS PART OF THE WORK SHALL BE CUT INTO 8' TO 10' LENGTHS FREE FROM ALL LIMBS AND BRANCHES AND SHALL BE STOCKPILED IN AN AREA DESIGNATED BY THE ENGINEER. LIMBS, BRUSH, AND BRANCHES SHALL BE CHIPPED AND ALL CHIPS SHALL BE STOCKPILED IN AN AREA DESIGNATED BY THE PROJECT MANAGER. ALL STUMPS SHALL BE REMOVED FROM THE PARK SITE.
10. THE CONTRACTOR SHALL NOTE THAT NOT ALL TREES WERE LOCATED AS PART OF THE SITE SURVEY. THE CONTRACTOR SHALL USE HIS JUDGMENT AS TO THE NUMBER OF TREES PRESENT WITHIN THE CONSTRUCTION SITE AND WHICH ARE NOT INDICATED ON THE CONSTRUCTION DRAWINGS. NO CHANGE IN THE LUMP SUM PRICE WILL BE MADE FOR REMOVAL OF TREES, BRUSH, AND STUMPS WHICH ARE REQUIRED IN THE LUMP SUM PRICE FOR CONSTRUCTION OF THE PROJECT AND WHICH ARE NOT SHOWN ON THE CONSTRUCTION DRAWINGS.

ANNOTATION KEY		
MARK	ANNOTATION	DETAIL(S) /SHEET
①	INSTALL SILT FENCE	2/C4
②	INSTALL SILT FENCE	2/C4
③	REMOVE INFO SIGN - 1 EA	
④	REMOVE HADICAPPED PARKING SIGN - 1 EA	
⑤	REMOVE SITE SIGN - 1 EA	
⑥	REMOVE HELP SIGN - 1 EA	
⑦	REMOVE VEGETATION AND ORGANIC MATERIAL UNDER THE ENTIRE INFLUENCE AREA OF PROPOSED PAVEMENT AND SHOULDERS. - 1070 SYDS	
⑧	INSTALL AND MAINTAIN STRAW BALES ACCROSS LAUNCH RAMP DURING DEMOLITION & CONSTRUCTION IN MANNER TO KEEP ALL SEDIMENT OUT OF WATERWAY.	

* THIS CONTRACT IS LUMP SUM, QUANTITIES SHOWN IN THIS TABLE ARE APPROXIMATE AND ARE SHOWN TO HELP ILLUSTRATE WORK AREA LOCATIONS. CONTRATOR IS RESPONSIBLE TO VERIFY ACTUAL QUANTITIES TO COMPLETE THE WORK.

LEGEND

- NEW RAMP BY OTHERS
- DEMOLISH AND REMOVE EXISTING RAMP BY OTHERS
- DEMOLISH AND REMOVE EXISTING BIT. SURFACE
- VEGETATION/TOPSOIL REMOVAL FOR NEW PAVEMENT
- TREE CONF.
- SIGN
- POWER POLE
- PROPERTY CORNER
- GUY POLE
- CONTROL POINT
- BENCHMARK
- CHECK DAM AND SEDIMENT TRAP
- DEMOLISH LINE
- SILT FENCE
- OVERHEAD WIRE
- TREE LINE
- FLOW LINE
- CONTOUR
- EDGE OF GRAVEL
- EDGE OF PAVEMENT
- FENCE
- EDGE OF WATER
- PROPERTY LINE



72 HOURS
(3 WORKING DAYS)
**BEFORE YOU DIG
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(TOLL-FREE)

STATE OF MICHIGAN
DEPARTMENT OF NATURAL RESOURCES
AND ENVIRONMENT
Michigan
DNRE
P.O. BOX 30033 LANSING, MI 48909-7933
517.241.1919 VOICE 517.241.4278 FAX

BIDS & CONSTRUCTION
9/3/2009 90% OWNER REVIEW
2/20/2009 50% OWNER REVIEW

PAVING IMPROVEMENTS
**LAKE GEORGE
BAS # 65-16**
OGEMAW COUNTY

DEMO/SESC PLAN

PROJECT NO. 27-9081
INDEX 54070
PCA 95679
DRAWN BY SCK
DESIGNED BY SCK
PROJ. MGR. SCK

C1

SITE WORK NOTES

- CONTRACTOR AND ENGINEER SHALL DISCUSS APPROPRIATE CONSTRUCTION ACCESS ROUTES DURING PRE-CONSTRUCTION MEETING. CONTRACTOR & ENGINEER SHALL MARK UP CONSTRUCTION PLAN AND AGREE TO CONSTRUCTION ACCESS ROUTES FOR ALL MATERIALS AND EQUIPMENT. CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO ANY DEVIATION FROM ROUTES.
- ALL CONSTRUCTION LAYOUT SHALL BE COMPLETED BY CONTRACTOR APPROVED BY ENGINEER PRIOR TO CONSTRUCTION.
- INSTALL ALL SILT FENCE, RIP RAP, SOIL EROSION AND ANY OTHER SEDIMENTATION CONTROL MEASURES PRIOR TO DEMOLITION OR CONSTRUCTION.
- REGRADE AND COMPACT EXISTING SUBBASE AS REQUIRED TO ACCOMMODATE THE FINAL GRADES & SECTIONS SHOWN ON THE PLANS. REPLACE GRADE AND COMPACT EXISTING GRAVEL ALONG WITH AND ADDITIONAL 2 INCHES OF CONDITIONING AGGREGATE OVER THE SITE. PROVIDE ADDITIONAL 6" AGGREGATE BASE WHERE VEGETATION IS REMOVED FOR NEW HMA SURFACE.
- INSTALL 1000 GAL VAULT TOILET TANK. COORDINATE WITH OWNER. OWNER HAS PURCHASED TANK AND FLOOR SLAB. OWNER HAS PAID FOR DELIVERY.
- FORM SIDEWALKS. ALL ADJOINING SIDEWALK FILLETS SHOULD BE 2.5' UNLESS NOTED OTHERWISE. (NOTIFY ENGINEER 48 HOURS PRIOR TO POURING SIDEWALKS). ENGINEER WILL INSPECT FORMS, REINFORCEMENT AND SUBBASE PRIOR TO PLACING CONCRETE.
- THE RUNNING SLOPES ON SIDEWALKS AND ADA ROUTES SHALL NOT EXCEED 1:20 (5%) UNDER ANY CIRCUMSTANCE. TARGET = 4.5%+/-0.5%. SIDEWALKS AND ADA ROUTES SHALL HAVE CROSS SLOPES WITHIN THE RANGE OF 1% TO 2%, AND SHALL NOT EXCEED 2% UNDER ANY CIRCUMSTANCE. TARGET = 1.5% +/- 0.5%
- PLACE HMA SURFACE IN TWO LIFTS, (NOTIFY ENGINEER 48 HOURS PRIOR PLACING HMA SURFACE).
- PLACE AND COMPACT GRAVEL SHOULDER.
- INSTALL SIGNAGE
- RESTORE ALL DISTURBED LAWN AREAS & STOCKPILE AREAS TO ORIGINAL GRADE WITH 3" TOPSOIL, FERTILIZER, SEED AND MULCH BLANKET.
- TOPSOIL STRIPPED FROM WITHIN THE CONSTRUCTION SITE MAY BE STOCKPILED FOR REUSE AT AREAS APPROVED BY THE ENGINEER. IF SUFFICIENT TOPSOIL IS NOT AVAILABLE FOR RESTORATION PURPOSES, THE CONTRACTOR SHALL IMPORT TOPSOIL TO THE PROJECT SITE AT NO CHANGE IN CONTRACT PRICE. TOPSOIL SUPPLIED BY CONTRACTOR SHALL BE APPROVED BY ENGINEER.
- PAINT PARKING LOT STRIPES, SYMBOLS AND HATCH (NOTIFY ENGINEER 48 HOURS PRIOR PAINTING).
- INSTALL NEW PARKING BLOCKS
- CONTRACTOR TO INSTALL "HELP SIGN", "SITE SIGN" AND "INFO SIGN" PER OWNERS INSTRUCTION..

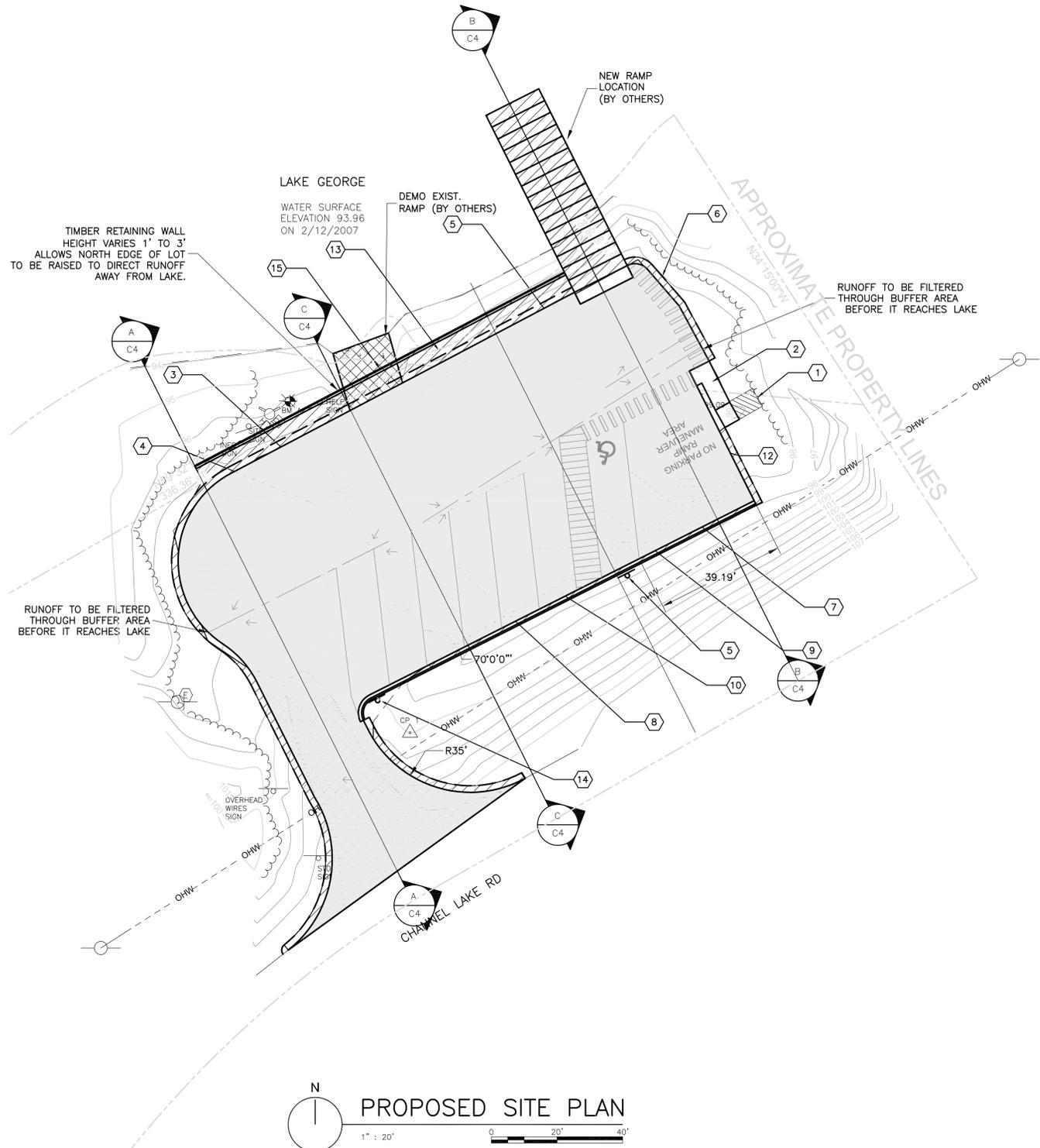
ANNOTATION KEY		
MARK	ANNOTATION	DETAIL(S) /SHEET
1	INSTALL NEW TOILET VAULT. OWNER HAS PURCHASED VAULT AND DELIVERY TO SITE. CONTRACTOR TO PROVIDE HOLE, AND MINIMUM 12" 6A STONE BASE UNDER VAULT. VAULT IS APPROX. 8' LONG, BY 6' WIDE BY 4.5' DEEP. OWNER HAS ALSO PURCHASED VAULT COVER (FLOOR SLAB) AND WILL DELIVER TO SITE.	
2	CONSTRUCT NEW ACCESSIBLE CONCRETE WALKWAY. THICKEN EDGE WHERE WALK MEETS HMA SURFACE ± 120 SFT	3,4,5/C4
3	PROVIDE MINIMUM 6" COMPACTED BASE AT ALL LOCATIONS WHERE INFLUENCE AREA OF PROPOSED PAVING EXTENDS BEYOND EXISTING GRAVEL SURFACE - 240 SYDS	C/C4
4	PROVIDE 2 INCHES CONDITIONING AGGREGATE OVER AREA INSIDE SHOULDER LIMITS - 1,734 SYD	
5	330 #/SYD HMA SURFACE - 286 TON	
6	INSTALL 2 FT WIDE SHOULDERS - 380 FT	
7	PAINT BLUE ADA SYMBOL - 1EA, AND WHITE ADA ROUTE CROSSHATCH W/ BORDER - 400 SFT	8/C4
8	4" WHITE PARKING LANE STRIPE - 280 LFT	
9	4" BLUE PAINT STRIPE FOR "DESIGNATED ADA ROUTE" - 75 LFT	
10	INSTALL PARKING BLOCKS - 7 EA	8/C4
11	INSTALL ADA SIGN - 1 EA	6/C4
12	INSTALL "NO PARKING" SIGN - 1 EA	7/C4

* THIS CONTRACT IS LUMP SUM. QUANTITIES SHOWN IN THIS TABLE ARE APPROXIMATE AND ARE SHOWN TO HELP ILLUSTRATE WORK AREA LOCATIONS. CONTRACTOR IS RESPONSIBLE TO VERIFY ACTUAL QUANTITIES TO COMPLETE THE WORK.

LEGEND

- HMA SURFACE
- TREE CONIF.
- SIGN
- POWER POLE
- PROPERTY CORNER
- GUY POLE
- CONTROL POINT
- BENCHMARK
- CHECK DAM AND SEDIMENT TRAP
- PROPOSED SILT FENCE & GRADING LIMITS
- OVERHEAD WIRE
- EXISTING TREE LINE
- PROPOSED TREE LINE
- EXISTING FLOW LINE
- PROPOSED FLOW LINE
- PROPOSED GRADE LIMITS
- PROPOSED EDGE OF SHOULDER
- EXISTING EDGE OF GRAVEL
- PROPOSED EDGE OF PAVEMENT
- EXISTING FENCE
- EDGE OF WATER
- PROPERTY LINE

13	PROVIDE 3" TOPSOIL, SEED AND MULCH BLANKET OVER ALL DISTURBED AREAS WITHIN GRADING LIMITS - 520 SYDS	9/C4
14	AUTHORIZED VEHICLES ONLY SIGN - 1 EA	7/C4
15	CONSTRUCT NEW WOOD RETAINING WALL	10/C4



72 HOURS
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P.O. BOX 30033 LANSING, MI 48909-7933
517.241.1919 VOICE 517.241.4278 FAX

BIDS & CONSTRUCTION	9/3/2009	90% OWNER REVIEW	2/20/2009	50% OWNER REVIEW
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PAVING IMPROVEMENTS
**LAKE GEORGE
BAS # 65-16**
OGEMAW COUNTY

PROPOSED SITE PLAN

PROJECT NO.	27-9081
INDEX	54070
PCA	95679
DRAWN BY	SCK
DESIGNED BY	SCK
PROJ. MGR.	SCK

C2

SITE WORK NOTES

- CONTRACTOR AND ENGINEER SHALL DISCUSS APPROPRIATE CONSTRUCTION ACCESS ROUTES DURING PRE-CONSTRUCTION MEETING. CONTRACTOR & ENGINEER SHALL MARK UP CONSTRUCTION PLAN AND AGREE TO CONSTRUCTION ACCESS ROUTES FOR ALL MATERIALS AND EQUIPMENT. CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO ANY DEVIATION FROM ROUTES.
- ALL CONSTRUCTION LAYOUT SHALL BE COMPLETED BY CONTRACTOR APPROVED BY ENGINEER PRIOR TO CONSTRUCTION.
- INSTALL ALL SILT FENCE, RIP RAP, SOIL EROSION AND ANY OTHER SEDIMENTATION CONTROL MEASURES PRIOR TO DEMOLITION OR CONSTRUCTION.
- REGRADE AND COMPACT EXISTING SUBBASE AS REQUIRED TO ACCOMMODATE THE FINAL GRADES & SECTIONS SHOWN ON THE PLANS. REPLACE GRADE AND COMPACT EXISTING GRAVEL ALONG WITH AND ADDITIONAL 2 INCHES OF CONDITIONING AGGREGATE OVER THE SITE. PROVIDE ADDITIONAL 6" AGGREGATE BASE WHERE VEGETATION IS REMOVED FOR NEW HMA SURFACE.
- INSTALL 1000 GAL VAULT TOILET TANK. COORDINATE WITH OWNER. OWNER HAS PURCHASED TANK AND FLOOR SLAB. OWNER HAS PAID FOR DELIVERY.
- FORM SIDEWALKS. ALL ADJOINING SIDEWALK FILLETS SHOULD BE 2.5' UNLESS NOTED OTHERWISE. (NOTIFY ENGINEER 48 HOURS PRIOR TO POURING SIDEWALKS). ENGINEER WILL INSPECT FORMS, REINFORCEMENT AND SUBBASE PRIOR TO PLACING CONCRETE.
- THE RUNNING SLOPES ON SIDEWALKS AND ADA ROUTES SHALL NOT EXCEED 1:20 (5%) UNDER ANY CIRCUMSTANCE. TARGET = 4.5% +/- 0.5%. SIDEWALKS AND ADA ROUTES SHALL HAVE CROSS SLOPES WITHIN THE RANGE OF 1% TO 2%, AND SHALL NOT EXCEED 2% UNDER ANY CIRCUMSTANCE. TARGET = 1.5% +/- 0.5%
- PLACE HMA SURFACE IN TWO LIFTS, (NOTIFY ENGINEER 48 HOURS PRIOR PLACING HMA SURFACE).
- PLACE AND COMPACT GRAVEL SHOULDER.
- INSTALL SIGNAGE
- RESTORE ALL DISTURBED LAWN AREAS & STOCKPILE AREAS TO ORIGINAL GRADE WITH 3" TOPSOIL, FERTILIZER, SEED AND MULCH BLANKET.
- TOPSOIL STRIPPED FROM WITHIN THE CONSTRUCTION SITE MAY BE STOCKPILED FOR REUSE AT AREAS APPROVED BY THE ENGINEER. IF SUFFICIENT TOPSOIL IS NOT AVAILABLE FOR RESTORATION PURPOSES, THE CONTRACTOR SHALL IMPORT TOPSOIL TO THE PROJECT SITE AT NO CHANGE IN CONTRACT PRICE. TOPSOIL SUPPLIED BY CONTRACTOR SHALL BE APPROVED BY ENGINEER.
- PAINT PARKING LOT STRIPES, SYMBOLS AND HATCH (NOTIFY ENGINEER 48 HOURS PRIOR PAINTING).
- INSTALL NEW PARKING BLOCKS.

HORIZONTAL LAYOUT

(TO BE STAKED OUT BY CONTRACTOR)

POINT LABEL	POINT COORDINATE	
	NORTHING	EASTING
PT 1	4986.20	5035.10
PT 2	4934.16	4963.33
PT 3	4977.41	4972.63
PT 4	5015.28	4953.43
PT 5	5078.90	4945.88
PT 6	5133.55	5050.08
PT 7	5112.71	5091.11
PT 8	5070.36	5104.83
PT 9	5011.56	4987.83

RADIUS LABEL	CENTER RADIUS OF COORDINATE		RADIUS LENGTH
	NORTHING	EASTING	
R1	4970.87	5115.90	35.0'
R2	5000.03	5112.71	28.0'
R3	5035.91	5064.42	32.0'
R4	5069.22	5080.39	5.0'
R5	5098.73	5123.18	6.0'
R6	5123.18	5098.74	35.0'

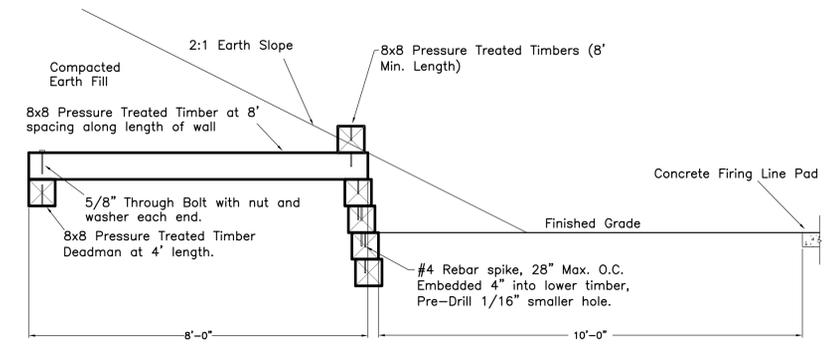
SURVEY CONTROL POINTS

POINT	NORTHING	EASTING	ELEVATION
CP 1	5000.00	5000.00	100.00
BM 1	5100.44	4963.44	96.88

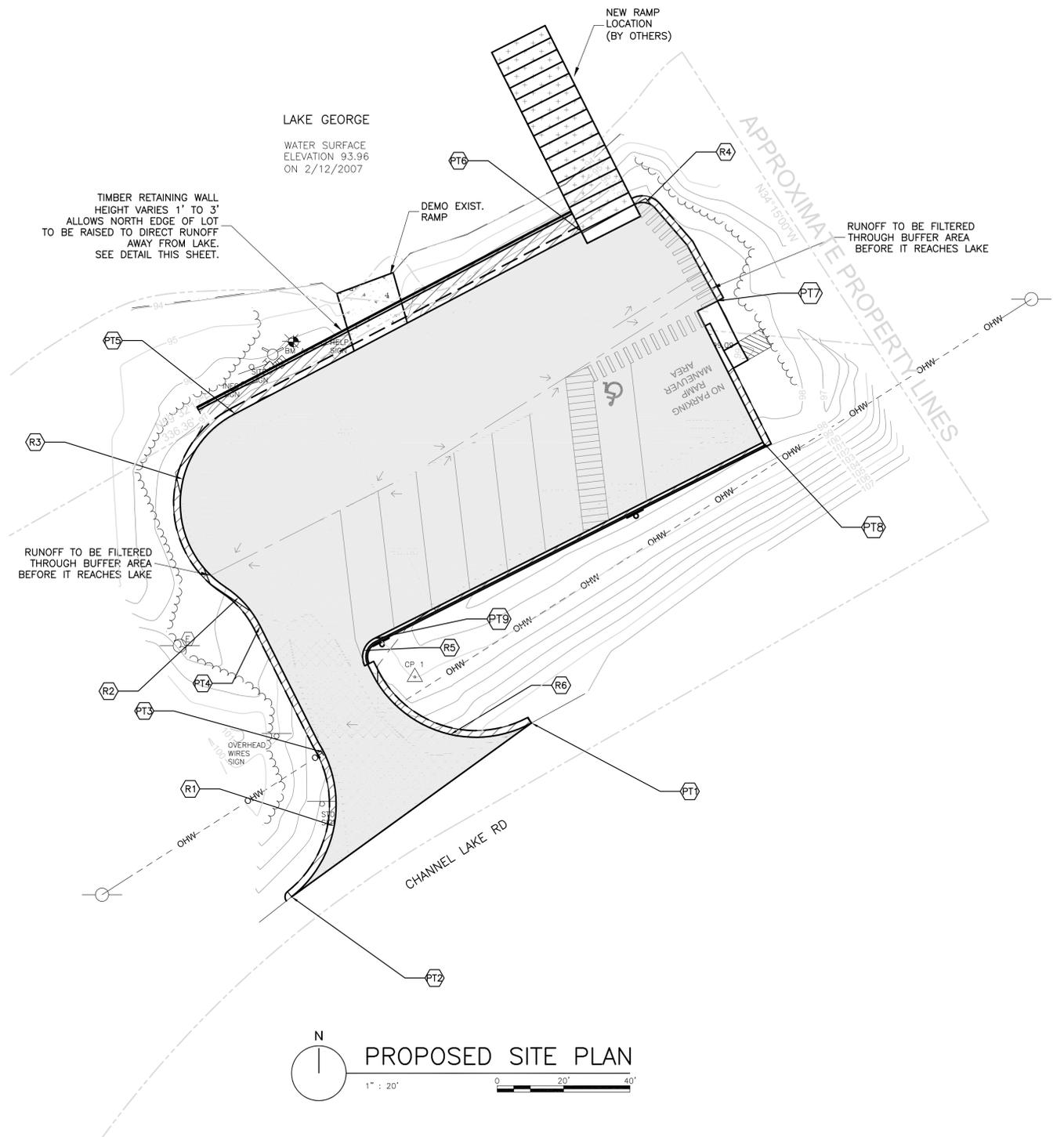
NOTE: CP'S ARE NAILS IN GROUND

LEGEND

- HMA SURFACE
- PROVIDE ADDITIONAL 6" AGGREGATE BASE DEPTH
- TREE CONIF.
- SIGN
- POWER POLE
- PROPERTY CORNER
- GUY POLE
- CONTROL POINT
- BENCHMARK
- CHECK DAM AND SEDIMENT TRAP
- PROPOSED SILT FENCE & GRADING LIMITS
- OVERHEAD WIRE
- EXISTING TREE LINE
- PROPOSED TREE LINE
- EXISTING FLOW LINE
- PROPOSED FLOW LINE
- PROPOSED GRADE LIMITS
- PROPOSED EDGE OF SHOULDER
- EXISTING EDGE OF GRAVEL
- PROPOSED EDGE OF PAVEMENT
- EXISTING FENCE
- EDGE OF WATER
- PROPERTY LINE



Section of Proposed Wood Retaining Wall
Not to Scale



72 HOURS
(3 WORKING DAYS)
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BIDS & CONSTRUCTION
9/3/2009
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PAVING IMPROVEMENTS
**LAKE GEORGE
BAS # 65-16**
OGEMAW COUNTY

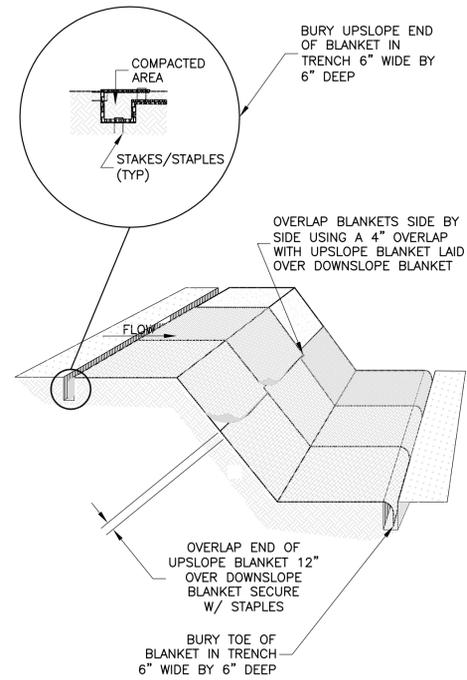
PROPOSED GRADING PLAN

PROJECT NO. 27-9081
INDEX 54010
PCA 95679
DRAWN BY SCK
DESIGNED BY SCK
PROJ. MGR. SCK

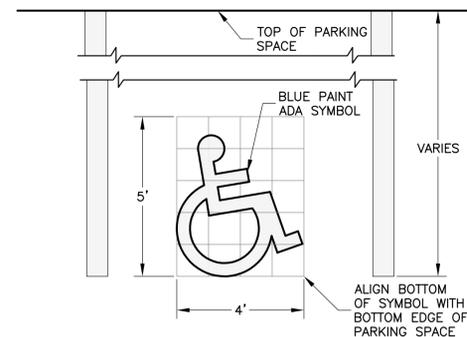
C3

MULCH BLANKET NOTES

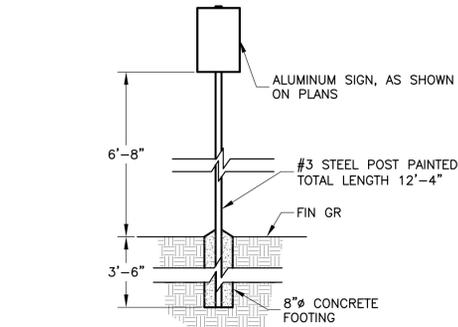
1. PREPARE SUBGRADE TO PROPER GRADE AND COMPACTION REQUIREMENTS.
2. REMOVE RUTS, ROOTS, SOIL CLODS, OR OTHER DEBRIS FROM SURFACE SUBJECT TO MULCH BLANKET INSTALLATION.
3. SPREAD SEED.
4. PLACE MULCH BLANKET PARALLEL TO FLOW AND ANCHOR SECURELY.
5. WHEN BLANKETS ARE USED IN FLOWING DITCH, BLANKETS SHOULD NOT OVERLAP IN DITCH CENTER PARALLEL TO FLOW.
6. STAPLES INSTALLED/SECURED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
7. INSTALL BLANKET AT TOP OF SLOPE, FIRST ANCHORING TOE IN TRENCH 6" WIDE X 6" DEEP, PROGRESSING DOWN-SLOPE OR DOWN-GRADIENT WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH.
8. APPLY SEED TO COMPACTED SOIL AND FOLD THE 12" PORTION OF THE BLANKET OVER COMPACTED AREA AND SECURE WITH A ROW OF STAPLES/STAKES PLACED 12" APART ACROSS THE WIDTH OF THE BLANKET.
9. UNROLL THE BLANKETS DOWN OR HORIZONTALLY ACROSS THE SLOPE.
10. OVERLAP BLANKET EDGES BY A MINIMUM OF 4" AND BLANKET ENDS BY A MINIMUM OF 12". OVERLAPS SHOULD BE IN THE DIRECTION OF EXPECTED FLOW WITH THE UP-SLOPE BLANKET PLACED OVER THE DOWN-SLOPE BLANKET EDGE.
11. SECURE DOWN-SLOPE END OF BLANKET WITH STAPLES/STAKES AND TRENCH IN.
12. CHECK AFTER A RAIN EVENT TO ENSURE THE BLANKET IS STILL IN PLACE.
13. KEEP ERODED SOIL, VEHICULAR AND PEDESTRIAN TRAFFIC, AND CONCENTRATED RUNOFF AWAY FROM THE BLANKETED AREA.



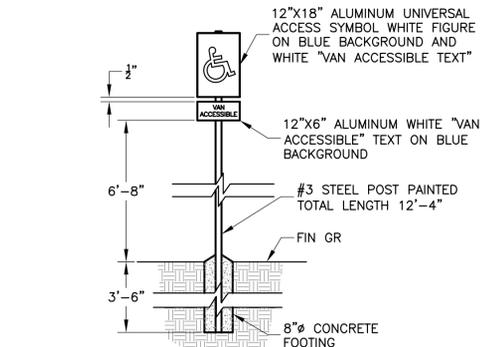
9 MULCH BLANKET
NOT TO SCALE



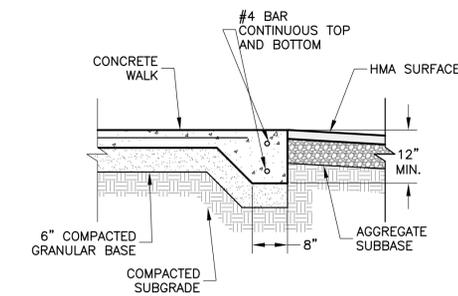
8 ADA PAINT SYMBOL
NOT TO SCALE



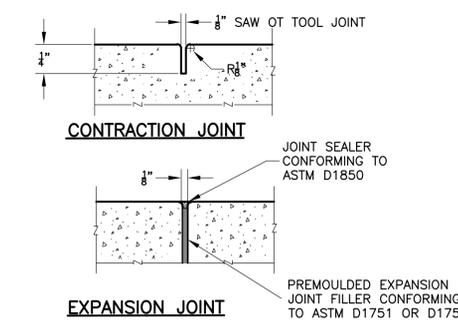
7 TYPICAL SIGN
NOT TO SCALE



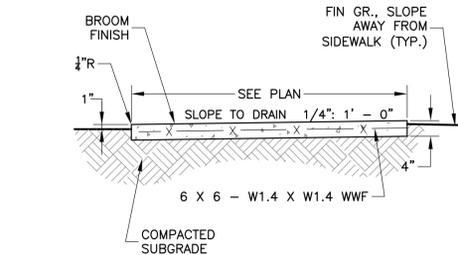
6 ADA SIGN
NOT TO SCALE



5 THICKENED EDGE CONC.
NOT TO SCALE



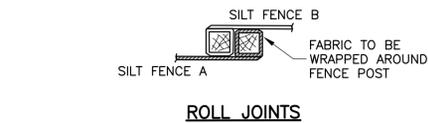
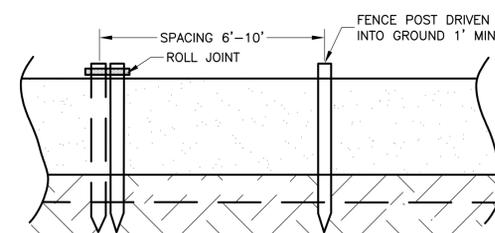
4 CONC. SIDEWALK JOINTS
NOT TO SCALE



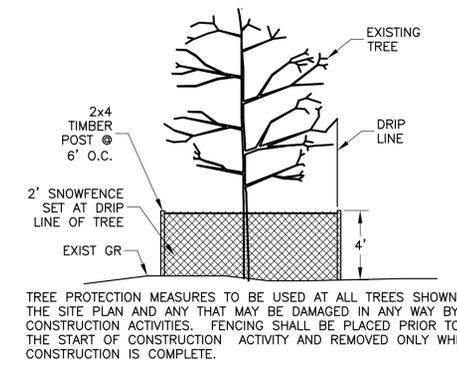
3 CONCRETE SIDEWALK
NOT TO SCALE

SILT FENCE NOTES

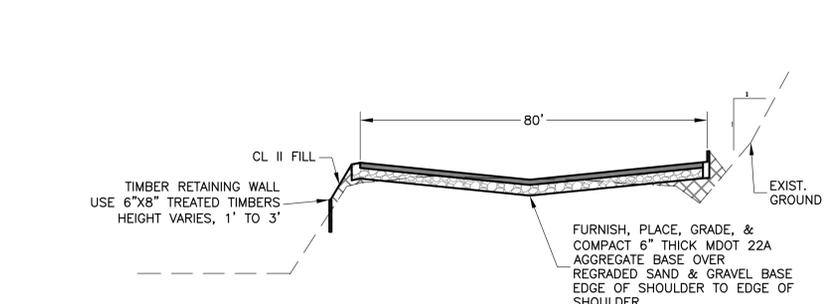
1. INSTALL PARALLEL TO A CONTOUR.
2. SILT FENCE SHALL BE MADE OF WOVEN GEOTEXTILE FABRIC.
3. DIG A 6" TRENCH ALONG THE AREA WHERE THE FENCE IS TO BE INSTALLED.
4. PLACE 6" OF THE SILT FENCE BOTTOM FLAP INTO THE TRENCH.
5. BACKFILL THE TRENCH WITH SOIL AND COMPACT THE SOIL ON BOTH SIDES. CREATE A SMALL RIDGE ON THE UP-SLOPE SIDE OF THE FENCE.
6. INSTALL WOODEN STAKES 6 - 10' APART AND DRIVE INTO THE GROUND A MINIMUM OF 12".
7. STAPLE THE GEOTEXTILE FABRIC TO THE WOODEN STAKES.
8. JOIN SECTIONS OF SILT FENCE BY WRAPPING ENDS TOGETHER (SEE DRAWING).
9. INSPECT FREQUENTLY AND IMMEDIATELY AFTER EACH STORM EVENT. CHECK SEVERAL TIMES DURING PROLONGED STORM EVENTS. IF NECESSARY, REPAIR IMMEDIATELY.
10. IF THE SEDIMENT HAS REACHED 1/3 THE HEIGHT OF THE FENCE, THE SOIL SHALL BE REMOVED AND DISPOSED OF IN A STABLE UPLAND SITE.
11. THE FENCE SHALL BE RE-INSTALLED IF WATER IS SEEPING UNDERNEATH IT OR IF THE FENCE HAS BECOME INEFFECTIVE.
12. SILT FENCE SHALL BE REMOVED ONCE VEGETATION IS ESTABLISHED AND UP-SLOPE AREA HAS STABILIZED.



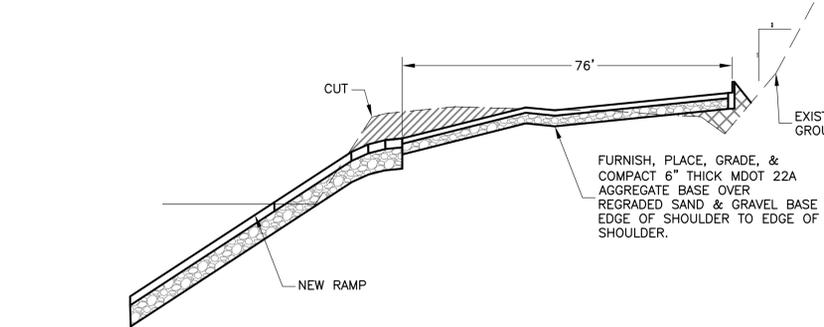
2 SILT FENCE
NOT TO SCALE



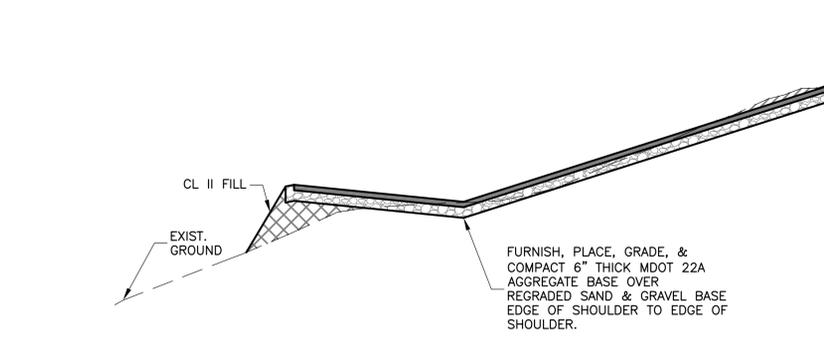
1 TREE PROTECTION
NOT TO SCALE



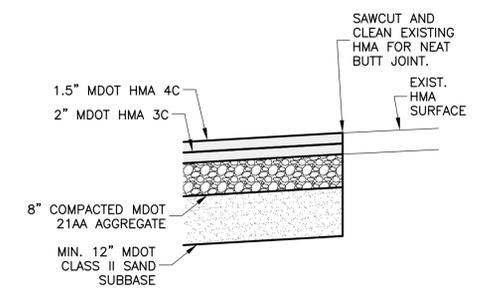
C
NTS



B
NTS



A SECTION @ ENTRANCE



D SECTION-R.O.W. PAVING
N.T.S.

PROJECT NO.	27-9081
INDEX	54070
PCA	95679
DRAWN BY	SKC
DESIGNED BY	SKC
PROJ. MGR.	SKC

PAVING IMPROVEMENTS
LAKE GEORGE
BAS # 65-16
OGEMAW COUNTY

DETAILS & SECTIONS

PROJECT NO.	27-9081
INDEX	54070
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PROJ. MGR.	SKC

C4