



Notes

- BOUNDARY OF PROPERTY TAKEN FROM 1970 LEGAL SURVEY PREPARED BY ZUBEK, EMD AND PATTEN LTD.
- EXISTING TREE SCREENS TAKEN FROM JUNE 1989 MNR AIRPHOTO, CONFIRMED BY OCTOBER 1989 VEGETATION SURVEY.
- WATER WELL DATA TAKEN FROM "WATER WELL RECORDS FOR ONTARIO, SIMCOE, 1946-77", MINISTRY OF THE ENVIRONMENT, 1981; NOVEMBER, 1989 SITE SURVEY, AND "HYDROGEOLOGY OF PROPOSED EXPANSION OF THE MCKEAN QUARRY", TROW, DAMES & MOORE, MARCH, 1991. THE WATER TABLE, AS SHOWN ON THE TYPICAL SECTIONS, HAS BEEN DETERMINED FROM ANALYSIS OF THIS INFORMATION.
- TOPOGRAPHIC BASE MAPPING FOR SITE AND 500m SURROUNDING FROM 1:8000 NOVEMBER 1989 AERIAL PHOTOGRAPHY PREPARED DECEMBER 1989, BY INTERA KENTING EARTH SCIENCES. MAPPING WAS THEN UPDATED FROM DECEMBER 1991, ELECTRONIC FIELD SURVEY BY LONG ASSOCIATES CONSULTING LIMITED.
- EXISTING AND MONITOR WELL TABLE

	NAME	ELEV.	DEPTH.	BOTTOM	STATIC	FOUND	TYPE
E2	SHOP	520.97	N/A	N/A	517.97	N/A	DRILLED
MW2(R)	MONITOR	520.16	20.79	497.94	510.84	N/A	DRILLED
MW3(R)	MONITOR	515.56	N/A	N/A	506.11	N/A	DRILLED
MW4	MONITOR	522.45	39.91	482.00	507.36	N/A	DRILLED
MW5	MONITOR	529.43	46.08	483.28	514.45	N/A	DRILLED
MW6	MONITOR	534.87	36.44	497.17	519.75	N/A	DRILLED
PW1	TEST WELL	518.73	9.40	509.33	511.45	N/A	DRILLED
CLF1	FARM WELL	521.05	N/A	N/A	511.73	N/A	DRILLED
CLF2	FARM WELL	519.23	N/A	N/A	511.69	N/A	DRILLED
F	MILLARS	515.00	2.7	N/A	N/A	N/A	DUG
G	STRIBLING	512.50	7.5	N/A	N/A	N/A	N/A
H	SACCUCI	509.00	N/A	N/A	N/A	N/A	DRILLED
- THE OPERATOR INTENDS TO CONVEY TO THE BRUCE TRAIL ASSOCIATION LAND AS IDENTIFIED IN NOTE 9, PAGE 3 OF 5.
- ALL EXISTING FENCES TO BE IMPROVED OR REPLACED TO PROVIDE HEAVY DUTY FENCE 1.2m MINIMUM HEIGHT.
- FENCING ALONG THE WESTERLY BOUNDARY MAY NOT BE FEASIBLE, IN SOME AREAS, DUE TO THE PRESENCE OF DENSE BUSH AND SWAMP. IN THESE AREAS, SIGNS TO BE POSTED EVERY 30m (<100') WHICH READ "DANGER - OPEN QUARRY". IF NOT ON LICENSED BOUNDARY THEN FENCE WILL BE CONSTRUCTED ON EXTREME WEST BOUNDARY OF PROPERTY.
- TECHNICAL REPORTS (REPORTS PREPARED IN SUPPORT OF QUARRY DEEPENING AND FOR CONTINUATION OF PROCESSING AT THIS SITE)
 - GEOTECHNICAL INSPECTION OF THE HAULAGE TUNNEL AT THE DUNTRON QUARRY, WSP, OCTOBER 15, 2025.
 - PROPOSED DUNTRON QUARRY DEEPENING - LEVEL 1 AND 2 WATER STUDY REPORT, WSP, OCTOBER 31, 2025.
 - DUNTRON QUARRY AND DUNTRON QUARRY EXTENSION - ENVIRONMENTAL AIR QUALITY REVIEW, RWDI, SEPTEMBER 16, 2025
 - DUNTRON QUARRY AND DUNTRON QUARRY EXPANSION - ENVIRONMENTAL NOISE REVIEW, RWDI, SEPTEMBER 16, 2025.
 - REVIEW OF THE AGGREGATE RESOURCES ACT SITE PLANS REGARDING BLASTING - WALKER AGGREGATES DUNTRON QUARRY, WSP, SEPTEMBER 24, 2025.
 - SCOPED NATURAL HERITAGE IMPACT ASSESSMENT - DUNTRON QUARRY LOWERING, WSP, OCTOBER 17, 2025.

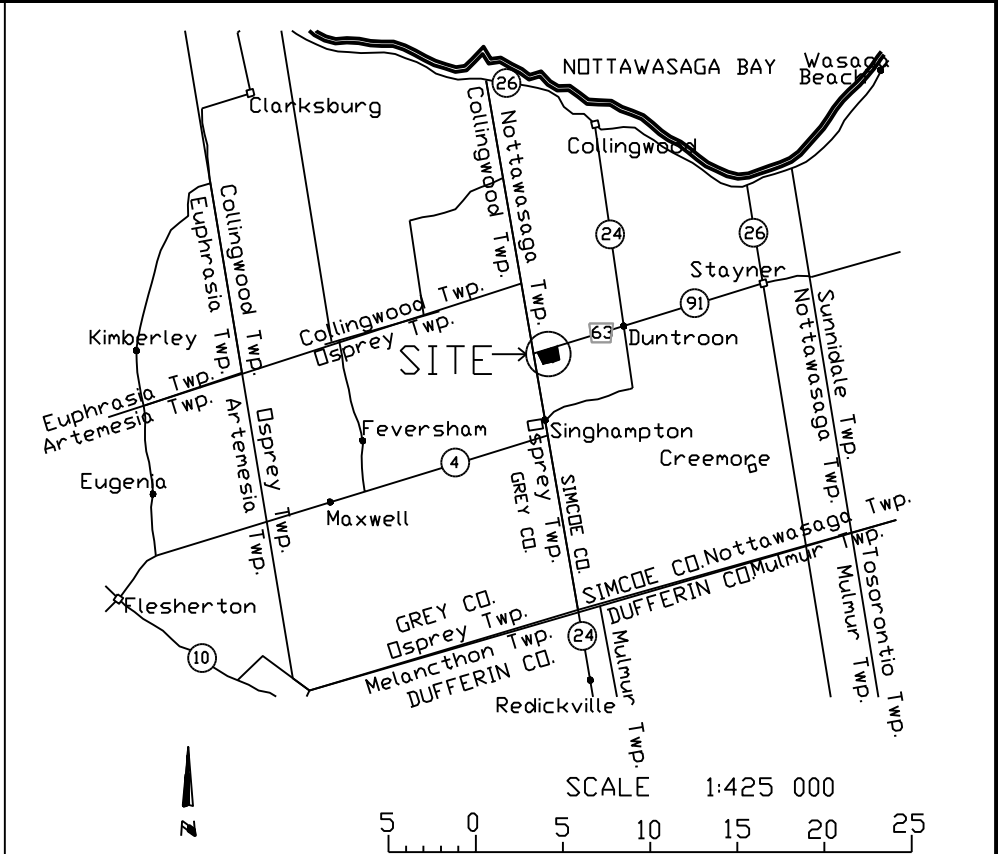
APPLICANT:



P.O. Box 100,
Thorold, Ontario
L2V 3Y8

DECLARATION OF PURPOSE:

THIS SITE PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF SECTION 69 OF THE AGGREGATE RESOURCES ACT AND REPLACES THE SITE PLAN ORIGINALLY SUBMITTED AS PART OF A LICENCE APPLICATION UNDER THE PITS AND QUARRIES CONTROL ACT AND REGULATIONS.



LEGEND

- LICENSED BOUNDARY
- AREA TO BE EXCAVATED
- WALKER AGGREGATES INC. LANDS
- DUNTRON QUARRY EXPANSION LANDS
- EXISTING CONTOURS
- SPOT ELEVATIONS
- OFFSITE FENCES
- LICENSED BOUNDARY FENCING
- WIDTH OF EXCAVATION SETBACK AREA, METRES
- TOPSOIL BERM/STOCKPILE
- B.M. BENCH MARK - CONCRETE RADIO TOWER BASE AT 531.61m
- SURFACE DRAINAGE
- BOUNDARY OF EXISTING DISTURBED AREA
- EXISTING WELLS
- MONITOR WELLS
- RESIDENCE
- SHED

NIAGARA ESCARPMENT DESIGNATIONS

- Plan Boundary
- Designation Boundary
- Mineral Resource Extraction Area
- Escarpment Natural Area
- Escarpment Protection Area
- Escarpment Rural Area

NO.	REVISIONS	DATE	INITIAL
7.	REFERENCE ADDITIONAL TECHNICAL REPORTS	NOVEMBER 2025	C.A.P.
6.	TO FACILITATE DUNTRON QUARRY EXPANSION	JULY 11/14	A.J.M.
5.	UPDATE TOP OF FACE	NOV.03/11	A.J.M.
4.	TEMPORARY RAMP TO QUARRY FLOOR	SEP.05/03	
3.	REVISE ENTRANCE/EXCAVATION FACE	SEP.19/02	
2.	GENERAL REVISIONS	SEP.20/01	D.G.S.
1.	CHANGE LOCATION OF PRIMARY CRUSHER	JAN.25/00	D.G.S.

MHBC Stamp

Christopher [Signature] is authorized by the Ministry of Natural Resources and Forestry to prepare plans.

MHBC PLANNING URBAN DESIGN & LANDSCAPE ARCHITECTURE

111 COLLIER STREET, WILLOWDALE, ONTARIO M2H 1P5 (416) 754-0000 | WWW.MHBCON.COM

DUNTRON QUARRY

PT. LOT 24 CONCESSION 12
TOWNSHIP OF CLEARVIEW, COUNTY OF SIMCOE
LICENCE NO 3514

WALKER AGGREGATES INC.
P.O. BOX 100,
THOROLD, ONTARIO
L2V 3Y8

EXISTING FEATURES

ZUBEK, EMD AND PATTEN LTD.
ONTARIO LAND SURVEYORS

39 Stewart Road, Collingwood Ontario (705) 445-8107

SCALE - 1 : 3000

DATE - AUGUST 25, 1997
JOB # 78-84-8, EXIST.DGN

PAGE 1 OF 5

NOTES

1. TOPSOIL AND OVERBURDEN ARE TO BE STRIPPED, STOCKPILED AND KEPT IN SEPARATE BERMS AS SHOWN ON THE PLAN, GRADED WITH 3:1 SLOPES, SEEDED AND MAINTAINED FOR REHABILITATION.
 2. THE EXCAVATION DIRECTION SHALL GENERALLY FOLLOW AS SHOWN ON THE PLAN BUT MAY VARY DUE TO THE LIMESTONE QUALITY AND MARKET DEMAND.
 3. WELL DATA IS FROM THE HYDROGEOLOGY REPORT PREPARED BY TROW, DAMES AND MOORE DATED MARCH 1991, AND ADDITIONAL MONITORING WELLS INSTALLED IN 1989 AND 1995. THE LICENSEE SHALL ESTABLISH A PROGRAM FOR THE ON AND OFF SITE WELLS IN ACCORDANCE WITH THE CONDITIONS ATTACHED TO THE PERMIT TO TAKE WATER NO. 96-P-5019 WHICH ALSO REQUIRES THAT A REPORT BE SUBMITTED TO THE M.O.E. & M.N.R. ON AN ANNUAL BASIS.
 4. DUST SHALL BE MITIGATED ON SITE, INTERNAL HAUL ROUTES USING WATER OR OTHER APPROVED SUPPRESSANTS.
 5. THE COMPANY HAS A SPILLS CONTINGENCY PROGRAM IN EFFECT.
 6. REFUELING OF EQUIPMENT WILL BE CARRIED OUT IN A DESIGNATED AREA, FUEL STORAGE TANKS SHALL CONFORM TO THE INSTALLATION AND MAINTENANCE REQUIREMENTS OF THE GASOLINE HANDLING ACT.
 7. THE LICENSEE SHALL MONITOR ALL BLASTS FOR GROUND VIBRATIONS AND BLAST OVERPRESSURE IN ACCORDANCE WITH THE CURRENT PROVINCIAL REGULATIONS AND REQUIREMENTS. REPORTS SHALL BE RETAINED ON FILE AND MADE AVAILABLE UPON REQUEST TO THE M.O.E. AND THE M.N.R.
 8. SCRAP WILL BE STORED IN THE DESIGNATED AREA AS SHOWN ON THE PLAN.
 9. FENCES AS SHOWN ARE 1.2m HIGH POST AND WIRE AND SHALL BE MAINTAINED FOR THE LIFE OF THE QUARRY.
 10. EQUIPMENT FOR EXTRACTION AND PROCESSING WILL INCLUDE DRILL RIGS, LOADERS, TRUCKS, BULLDOZERS, CRUSHERS, SCREENING, CONVEYERS, WASH PLANTS, CRUSH/GRIND PLANT, MAINTENANCE SHOP, TRANSFORMERS AND DIESEL GENERATING PLANTS.
 11. THE LICENSEE SHALL ENSURE THAT ANY WATER LEAVING THE LICENSED SITE MEETS THE SURFACE WATER QUALITY GUIDELINES OF THE M.O.E. AND M.N.R.
 12. THE HEIGHT OF THE EXTRACTION FACE SHALL AT ALL TIMES BE IN COMPLIANCE WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT.
 13. **FOR DETAILS ON THE OPEN-CUT-TO-THE-EXPANSION-LANDS, SEE QUARRY AGREEMENT, DESIGN BRIEF, AND THE DUNTOON QUARRY REPORT, PREPARED BY C.G. TATHAM & ASSOCIATES LTD. DATED APRIL 24, 2014.**
- FOR DETAILS ON THE TUNNEL SEAMAUH, SEE WALKER INDUSTRIES / WALKER AGGREGATES INC. DUNTOON QUARRY TUNNEL, TOWNSHIP OF CLEARVIEW, SIMCOE COUNTY, ONTARIO, DESIGN BRIEF, PREPARED BY GOLDER ASSOCIATES DATED MARCH 11, 2015 AS WELL AS THE GEOTECHNICAL INSPECTION OF THE HALLUAGE SEAMAUH OF THE DUNTOON QUARRY REPORT, PREPARED BY WSP DATED OCTOBER 15, 2025.

FOR DETAILS ON THE TUNNEL SCENARIO, SEE WALKER INDUSTRIES / WALKER AGGREGATES INC. DUNTOON QUARRY TUNNEL, TOWNSHIP OF CLEARVIEW, SIMCOE COUNTY, ONTARIO, DESIGN BRIEF, PREPARED BY GOLDER ASSOCIATES DATED MARCH 11, 2015 AS WELL AS THE GEOTECHNICAL INSPECTION OF THE HAULAGE TUNNEL AT THE DUNTOON QUARRY REPORT, PREPARED BY WSP DATED OCTOBER 15, 2025.

14. AS LONG AS THE TOWNSHIP OF CLEARVIEW OWNS ~~COUNTY~~ **TOWNSHIP ROAD 91**, THE DESIGN, CONSTRUCTION AND OPERATION OF ANY TUNNEL, WHETHER IT BE A SMALL TUNNEL TO ACCOMMODATE A CONVEYOR SYSTEM FOR MOVEMENT OF AGRICULTURAL MATERIALS OR A LARGE TUNNEL TO ALLOW MOVEMENT OF QUARRY ROCK TRUCKS, SHALL BE TO THE SATISFACTION OF THE TOWNSHIP OF CLEARVIEW. THIS SHALL REQUIRE THE ENTERING INTO AN AGREEMENT AND A CONTRACT WITH AN APPROPRIATE AGENCIES AND AGENCIES' AGREEMENTS, ALSO TO THE SATISFACTION OF CLEARVIEW. **A FULL OPEN CUT THROUGH COUNTY ROAD 91 SHALL ONLY BE PERMITTED AT SUCH TIME AS THAT PORTION OF COUNTY ROAD 91 IS STOPPED-UP, CLOSED AND CONVEYED TO THE QUARRY OPERATOR.**
15. **UPON CLOSURE OF COUNTY ROAD 91 ABUTTING THE WALKER LANDS, THIS SITE SHALL BE SECURED.**
16. PRIOR TO THE CONSTRUCTION OF THE TUNNEL, ~~GR-ROAD~~ **GR-ROAD** ~~GEOTECHNICAL~~ ENGINEERING STUDY WILL BE PREPARED TO ENSURE THE SAFE CONSTRUCTION OF THE TUNNEL, ~~GR-ROAD~~ **GR-ROAD** ~~TO BE COMPLETED~~ ~~THE ABILITY TO~~ PERMANENTLY CLOSE THE TUNNEL ~~GR-ROAD~~ **GR-ROAD**. THE GEOTECHNICAL ENGINEERING STUDY SHALL BE CERTIFIED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE PROVINCE OF ONTARIO.
17. A PROCESSING PLANT PROCESSING MATERIAL FROM THE QUARRY EXPANSION SITE (LICENCE NO. 607841) IS PERMITTED ON THIS SITE, ~~BUT ONLY FOR SUCH PERIOD AS IS NECESSARY TO CARRY OUT THE CONSTRUCTION OF THE QUARRY EXPANSION SITE TO THE NORTH TO ACCOMMODATE A PROCESSING PLANT FACILITY AND THE STOCKPILES, OFFICE, SCALES, SCALE HOUSE, AND OTHER BUILDINGS REQUIRED FOR THE QUARRY EXPANSION SITE.~~ **THE QUARRY EXPANSION SITE TO THE NORTH AT ELEVATION 500 MASL REACHES AN AREA OF 10 HA. THE PROCESSING PLANT SHALL BE RELOCATED TO THE QUARRY EXPANSION SITE. THE TUNNEL OR OPEN CUT SHALL BE PLOTTED-IN AGAIN WITH THE 1:50 OR 1:30 (CH PLAN) AND THIS QUARRY SHALL BE REHABILITATED.**

OPERATIONS

1. THE DIRECTION OF EXTRACTION SHALL GENERALLY BE FROM THE SOUTH EAST CORNER OF THE SITE IN A NORTH WESTERLY DIRECTION AS SHOWN ON THE PLAN WITH A MAXIMUM DEPTH OF **566 488 MASL**.
2. THE DESIGNATED PROCESSING AND STOCKPILE AREA IS AS OUTLINED ON THE PLAN. HOWEVER AS EXTRACTION PROGRESSES TO THE NORTH IT MAY BE NECESSARY TO STOCKPILE SOME OF THE MATERIAL ON THE 514 MASL LEVEL.
3. IT IS INTENDED TO RELOCATE THE PRIMARY CRUSHER TO THE **566 488 MASL** ELEVATION WHEN THERE IS AN AREA LARGE ENOUGH, THIS AREA MAY ALSO BE USED TO STOCKPILE MATERIAL.
4. THE MAINTENANCE SHOP, PROCESSING PLANT, WASH PLANT, PONDS AND ASPHALT PLANT WILL ALSO BE RELOCATED ELSEWHERE ON THE SITE AS EXTRACTION CONTINUES.
5. AREAS HAVE BEEN DESIGNATED ON THE SITE PLAN TO ALLOW FOR STOCKPILING OF COLD MIX ASPHALT, AND CONCRETE/ASPHALT TO BE RECYCLED INTO GRANULAR PRODUCTS.
6. AREAS HAVE BEEN DESIGNATED ON THE SITE PLAN AS A TEMPORARY STORAGE FOR THE FINES FROM THE WASH POND UNTIL IT CAN BE USED AS BACKFILL FOR REHABILITATION.
7. PROGRESSIVE REHABILITATION PROGRAM SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE ENVIRONMENTAL FEATURES OUTLINED ON PAGES 4-5 AND WITH THE SITE PLANS AND THE DETAILED RESTORATION MANAGEMENT PLAN PREPARED BY SAAR ENVIRONMENTAL LTD. DATED 1996 AND UPDATED OCTOBER 2000.
8. CLEAN INERT FILL MAY BE IMPORTED TO FACILITATE THE ESTABLISHMENT OF 2:1 (HORIZONTAL: VERTICAL) SLOPES ON THE QUARRY FACES. THE LICENSEE ~~PERMITS~~ **MUST** ENSURE THAT THE MATERIAL IS TESTED AT THE SOURCE, BEFORE IS DEPOSITED ON-SITE, TO ENSURE THAT THE MATERIAL MEETS THE MINISTRY OF THE ENVIRONMENT (MOE) CRITERIA UNDER TABLE 1 OF MOE'S SOILS, GROUND WATER AND SEDIMENT STANDARDS FOR USE UNDER PART XV.1 OF THE ENVIRONMENTAL PROTECTION ACT. SAMPLING RESULTS WILL BE PROVIDED TO MNR UPON REQUEST.
9. NOTWITHSTANDING NOTE **8a**, WHERE THE IMPORTED MATERIAL IS NOT BEING PLACED WITHIN 1.5 METRES OF THE SURFACE, THE CRITERIA UNDER TABLE 1 FOR SOILS ADSORPTION RATIO AND ELECTRICAL CONDUCTIVITY DO NOT HAVE TO BE MET.

VARIATIONS FROM THE CONTROL AND OPERATIONAL STANDARDS

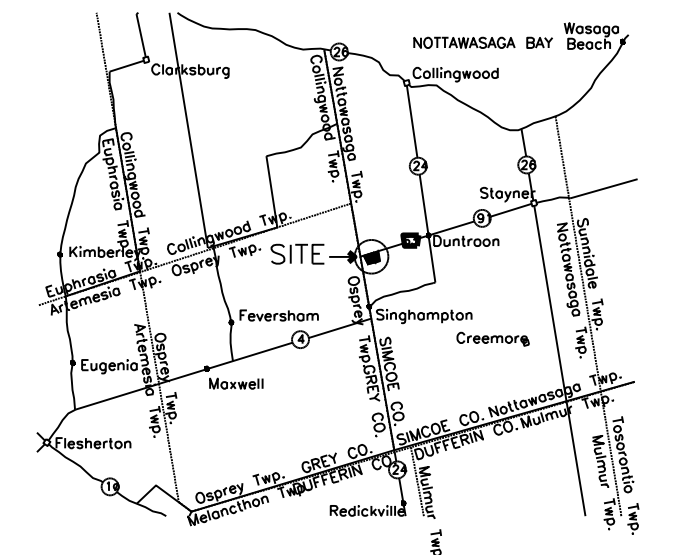
AS PROVIDED BY SECTION 0.13, THE FOLLOWING STANDARDS HAVE BEEN VARIED:

(1) 1 & 2 - A GATE SHALL NOT BE REQUIRED FOR THE TUNNEL CROSSING.

(1) 3 - A CLEAR VIEW OF THE ROAD ABOVE IN BOTH DIRECTIONS SHALL NOT BE PROVIDED AT THE TUNNEL CROSSING.

5.4 (1) 9 & 10.ii - EXCAVATION WILL BE ALLOWED WITHIN THE 30 METRE SETBACK ALONG ~~TOWNSHIP COUNTY~~ ROAD 91 FOR PURPOSES OF THE TUNNEL ~~OR OPEN~~ CUT.

(1) 11 - AGGREGATE / OVERBURDEN SHALL BE REMOVED FROM THE SETBACK TO FACILITATE CONSTRUCTION ASSOCIATED WITH THE TUNNEL.



LEGEND

- | | |
|----------------------------|---------------------------------------|
| ---- | LICENSED BOUNDARY |
| ---- | AREA TO BE EXCAVATED |
| ---- | WALKER AGGREGATES INC. LANDS |
| ---- | DUNTROON QUARRY EXPANSION LANDS |
| -----S ₉₀ ----- | EXISTING CONTOURS |
| | SPOT ELEVATIONS |
| ---- | OFFSITE FENCES |
| X-----X | FENCE ON LICENSED BOUNDARY |
| ⊖15m | EXCAVATION SETBACK AREA (METRES) |
| B.M. D | BENCH MARK |
| E2 | CONCRETE RADIO TOWER BASE AT 531.610m |
| ⊙ MW5 | EXISTING WELLS SEE TABLE |
| | MONITOR WELLS SEE TABLE |
| ***** | DEVELOPMENT PERMIT AREA (7.5 HA.) |
| | NEC PERMIT NO. 3774/S/E/90-91/266 |
| ➡ | GENERAL DIRECTION OF EXTRACTION |
| ----- | PERIMETER ROAD |
| ----- | BRUCE TRAIL ASSOCIATION |

NIAGARA ESCARPMENT DESIGNATIONS

- Designation Boundary
- | | | | |
|---|-------------------------------------|---|-------------------------------|
|  | Mineral Resource
Extraction Area |  | Escarpment
Protection Area |
|  | Escarpment
Natural Area |  | Escarpment
Rural Area |

NO.	REVISIONS	DATE	INITIAL
1	EXTRACTION LIMITS/GENERAL	AUG/09/01	D.G.S.
2	GENERAL REVISIONS	AUG/27/01	D.G.S.
3	GENERAL REVISIONS	AUG/30/01	D.G.S.
4	GENERAL REVISIONS	SEP.17/01	D.G.S.
5	GENERAL REVISIONS	SEP.20/01	D.G.S.
6	REMOVE FENCE/SHIFT CONVEYANCE LINE	AUG.14/02	D.G.S.
7	ADD TRINTH/EXCAVATION FACE	SEP.19/02	D.G.S.
8	RELOCATE STOCKPILES, PLANT TO FLOOR RELOCATE INTERNAL ROAD/RAMP	NOV.13/06	J.F.D.
9	ADD OPERATIONS NOTE Re A & B REUSE INTERNAL ROAD/RAMP	JAN.10/11	G.D.
10	REUSE NORTH FACE	NOV.03/11	A.M.
11	GENERAL REVISIONS	JULY.16/12	A.M.
12	GENERAL REVISIONS	SEPT. 4/12	A.M.
13	TO FACILITATE DUTYROOM QUARTLY EXPANSION	JULY 11/14	A.M.
14	NOTES REGARDING REMOVAL OF TUNNELS/OPEN/OUT	MAR. 16/15	D.G.S.
15	INCREASE THE MAXIMUM DEPTH OF EXTRACTION & UPGRADE THE REGRADING OF THE TUNNELS	NOVEMBER 16/15	C.A.P.



DUNTROON QUARRY

PART OF LOT 24 CONCESSION 12
TOWNSHIP OF CLEARVIEW, COUNTY OF SIM
LICENCE NO 3514

WALKER AGGREGATES INC.

P.O. BOX 100,
THOROLD, ONTARIO
L2V 3Y8

OPERATIONAL PLAN

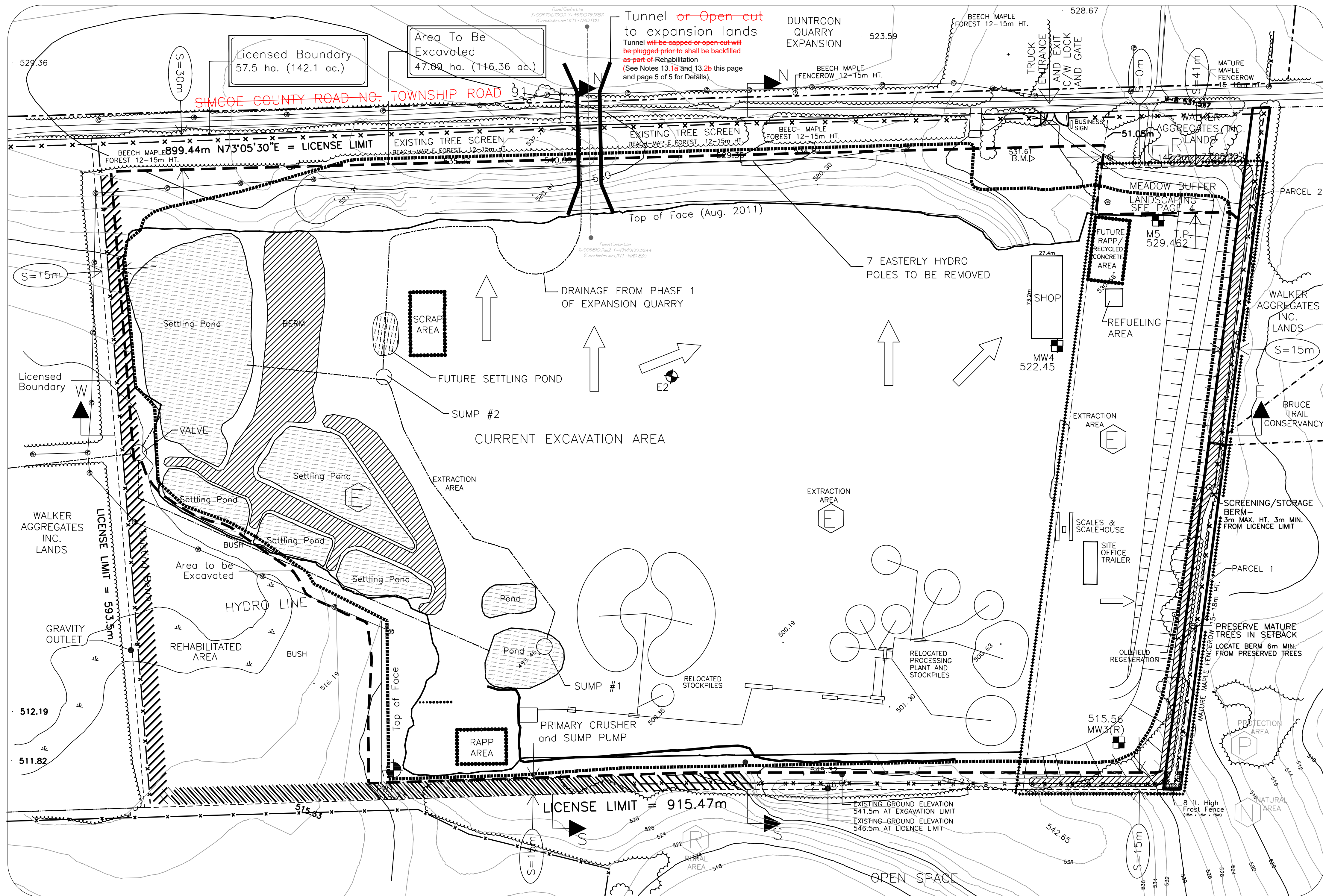
ZUBEK, EMO AND PATTEN LTD.
ONTARIO LAND SURVEYORS

39 Stewart Road, Collingwood Ontario (705) 445-4910

SCALE - 1 : 2000

DATE - AUGUST 25, 1997

PAGE 2 OF 5



SCALE 1:2000

NOTES

1. PLAN COMPILED FROM INFORMATION FROM R.G. ROBINSON AND ASSOC. LTD. RECEIVED AUGUST 1996 AND UPDATED BY MHBC PLANNING LTD., SINCE AUGUST 2001 ~~MARCH 2015~~

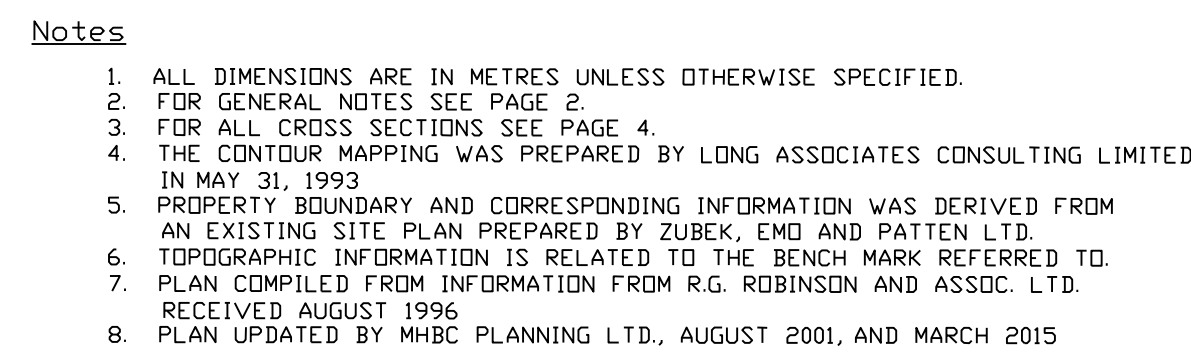


Diagram illustrating a wetland cross-section. The water body is labeled "3122". The vegetation types shown are: Meadow Buffer, Escarpment Transition Forest, Shoreline, and Aquatic Vegetation.

Meadow Buffer

- o See Page 4

Escarpment Transition Forest

- o Beech, Maple, White Spruce
- o Choke Cherry, Hawthorne, Sunac
- o Legume and Wildflower Ground Cover

Shoreline

- o See Page 4 Edge Standards

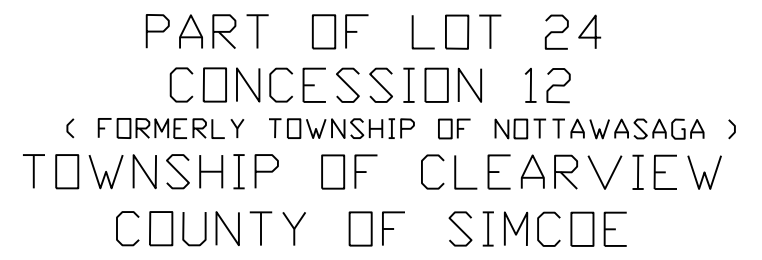
Aquatic Vegetation

- o See Page 4

South Exposure Forest

- o Maple, White Spruce
- o Sunac, Choke Cherry,
- o Crab Apple, Hawthorn
- o Legume and Wildflower Ground Cover
- o See This Page

12. FOR THE LONG-TERM STABILITY OF THE TUNNEL, THE TUNNEL SHALL BE BACKFILLED PRIOR TO THE START OF LAKE FILLING. BACKFILLING SHALL BE DONE BY CREATING A BULKHEAD AT ONE END OF THE TUNNEL AND PUSHING GRANULAR MATERIAL INTO THE TUNNEL TO FILL THE TUNNEL AS CLOSE AS POSSIBLE TO THE CROWN (WITHIN APPROXIMATELY 0.5 M OF THE CROWN OR LESS). AFTER BACKFILLING, THE TWO ENDS SHALL BE COVERED WITH ROCKFILL. DURING LAKE FILLING, REGULAR VISUAL INSPECTIONS OF THE TUNNEL ENDS AND THE ROAD ABOVE SHALL BE COMPLETED. UNTIL THE TUNNEL IS FLOODED TO ABOVE THE TUNNEL OBVERT LEVEL OR UNTIL THE LICENCE IS SURRENDERED AND ACCEPTED BY THE MINISTRY OF NATURAL RESOURCES, AS A MINIMUM, THE TUNNEL ENDS AND ROAD ABOVE SHALL BE INSPECTED AT THE START OF LAKE FILLING, WHEN THE LAKE LEVEL IS HALFWAY UP THE TUNNEL HEIGHT AND AGAIN JUST BEFORE THE LAKE LEVEL REACHES THE TUNNEL CROWN. THE NEED FOR FURTHER INSPECTIONS AND THE FREQUENCY OF THE ANY SUCH INSPECTIONS CAN BE RE-ASSESSED AT THAT TIME DEPENDING ON THE INSPECTION RESULTS.



- - - - - LICENSED BOUNDARY
 == == == AREA TO BE EXCAVATED
 - - - - - WALKER AGGREGATES INC. LANDS
 - - - - - DUNTROON QUARRY EXPANSION
 LANDS
 S₄₀ EXISTING CONTOURS
 522.5 SPOT ELEVATIONS
 x x x x x FENCES
 S₁₅ → WIDTH OF EXCAVATION SETBACK
 AREA, METRES
 S₅₀ PROPOSED CONTOURS
 ▨ ▨ ▨ ▨ EXISTING TRAIL SYSTEM
 □ □ □ □ PROPOSED TRAIL SYSTEM
 — — — — — BRUCE TRAIL ASSOCIATION

12	INCREASE THE MAXIMUM DEPTH OF EXCAVATION & UPDATE THE NOTES REGARDING TUNNEL AND FINAL LINE	NOVEMBER 2025	C.A.
11	REVISE NORTH FACE TO SHOW SLOPE, BENCH AND TUNNEL/OPEN CUT UPSTREAM	MAR/16/15	D.G.
10	TO FACILITATE BUNTDOWN QUARRY EXPANSION	JULY/14/14	A.J.
9	GENERAL REVISIONS	JULY/16/12	A.J.
8	REVISE NORTH FACE & NOTES 5 AND 9	NOV/03/11	A.J.
7	REVISE ENTRANCE/EXCAVATION FACE	SEP/19/02	D.G.
6	ADD FIRST FENCE/SHIFT CONVEYANCE LINE	AUG/14/02	D.G.
5	REVISIONS AS PER TOWNSHIP COMMENTS	FEB/13/02	D.G.
4	GENERAL REVISIONS	SEP/17/01	D.G.
3	GENERAL REVISIONS	AUG/30/01	D.G.
2	GENERAL REVISIONS	AUG/27/01	D.G.
1	GENERAL REVISIONS	AUG/13/01	D.G.
NO.	REVISIONS	DATE	INIT.



WALKER AGGREGATES INC.
P.O. Box 100,
Thorold, Ontario
L2V 3Y8

ZUBEK, EMO AND PATTEN LTD.
ONTARIO LAND SURVEYORS

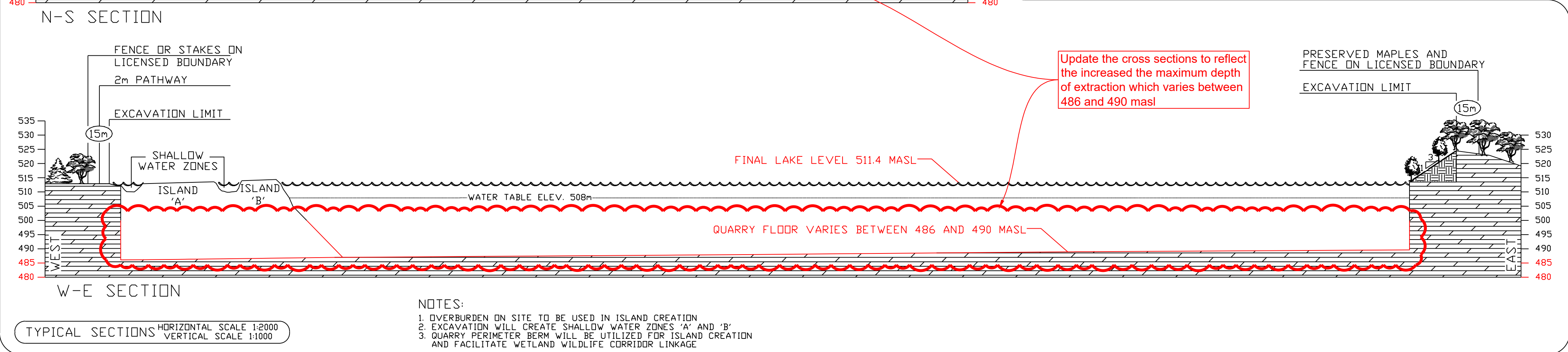
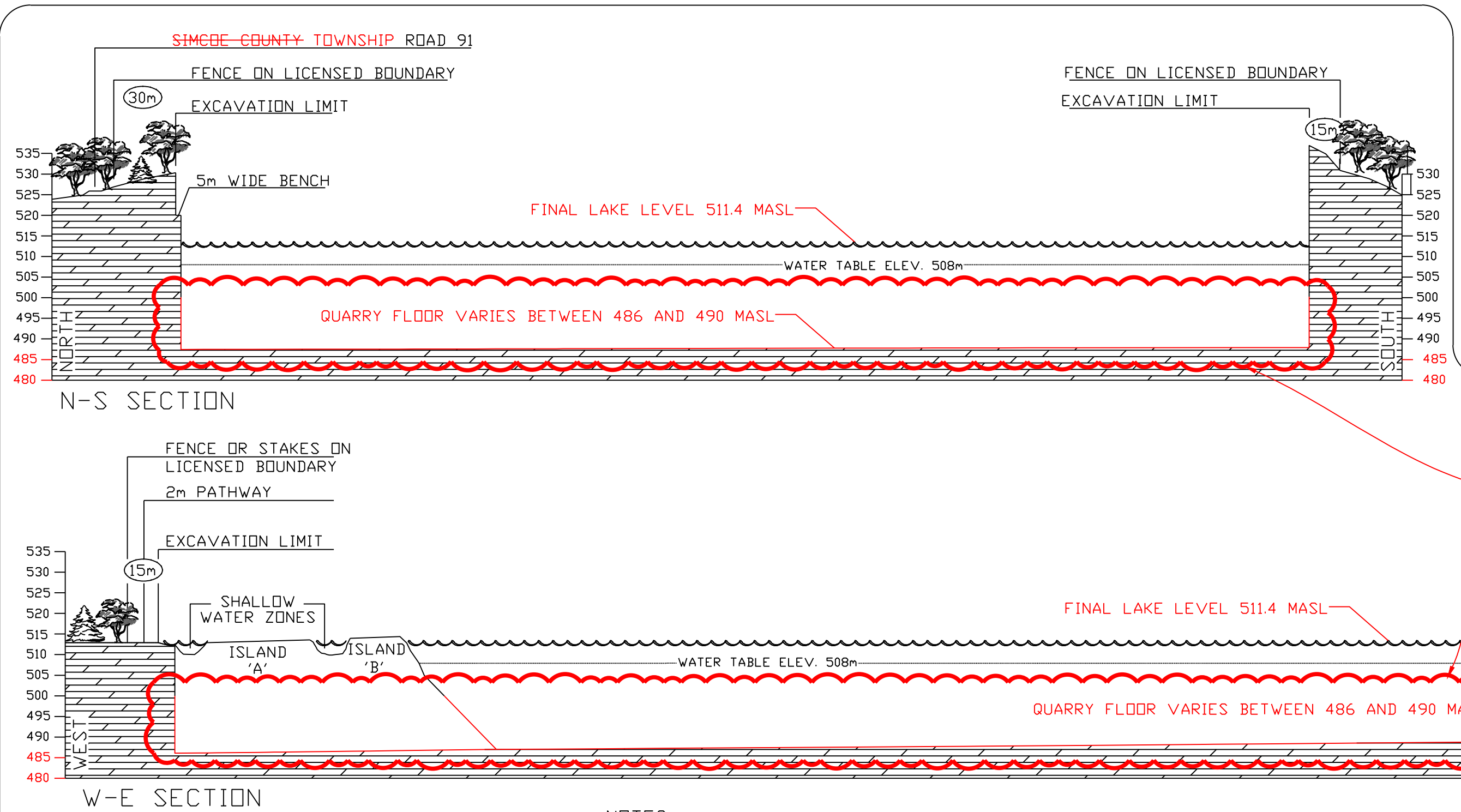
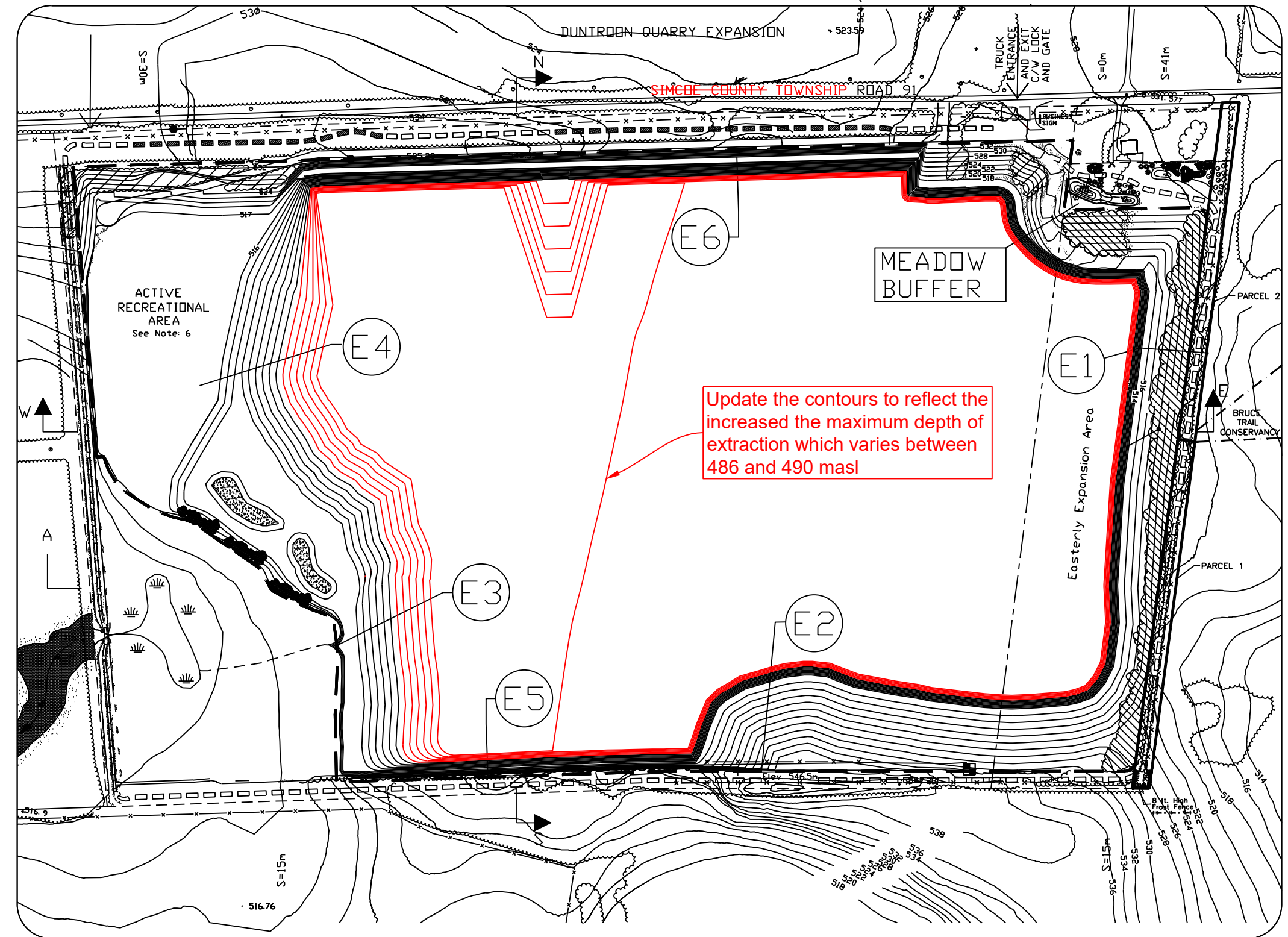
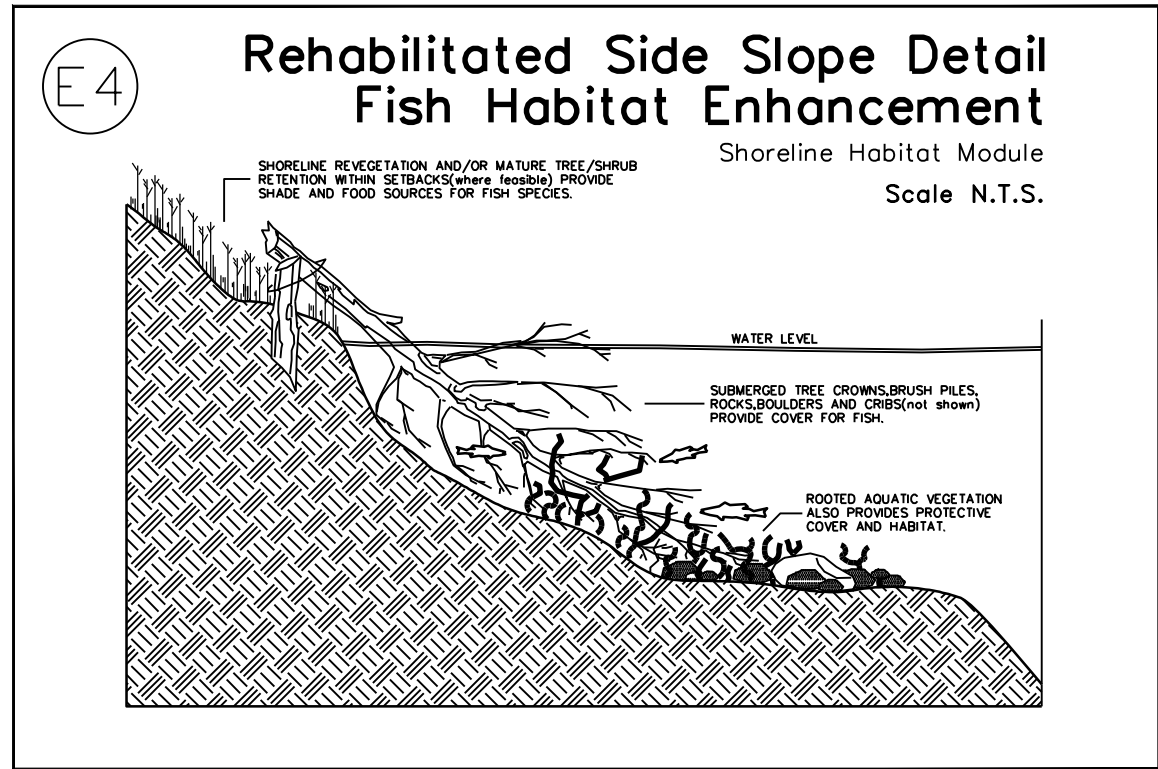
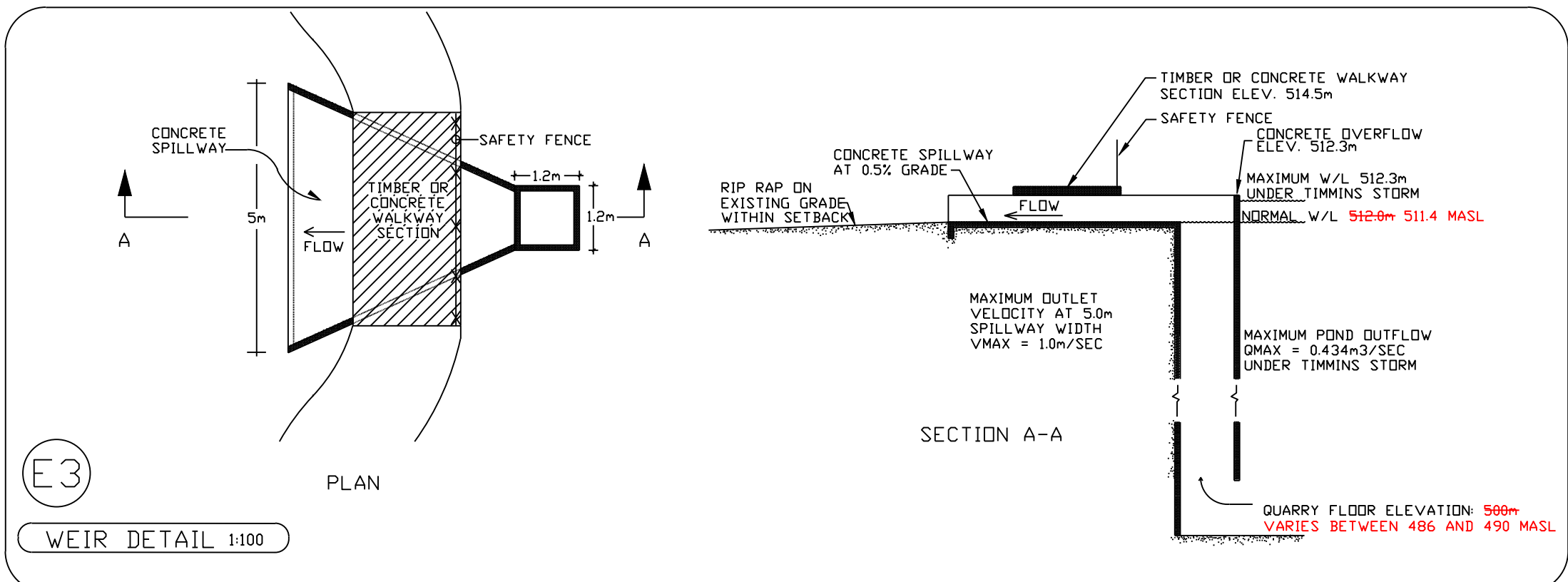
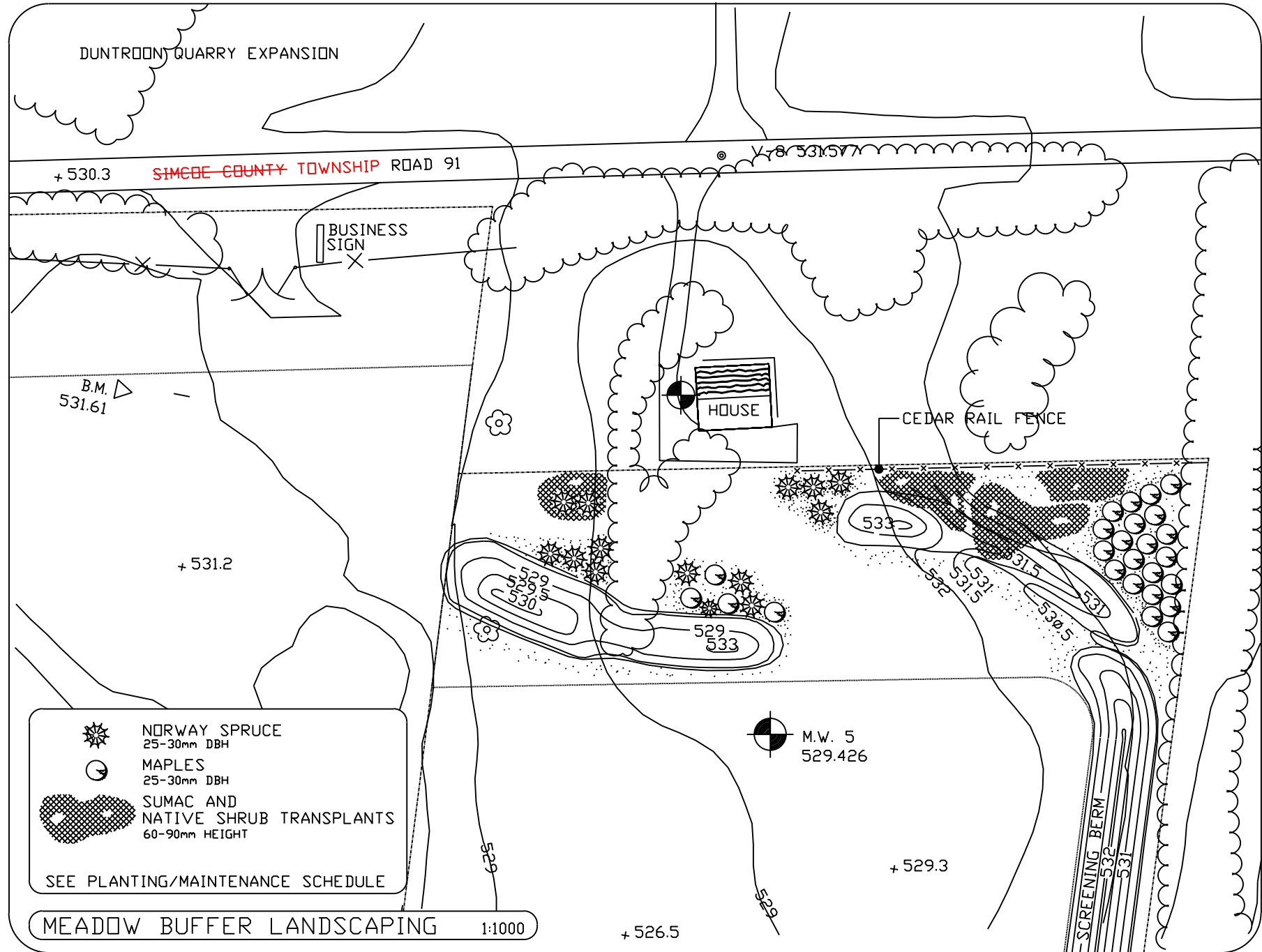
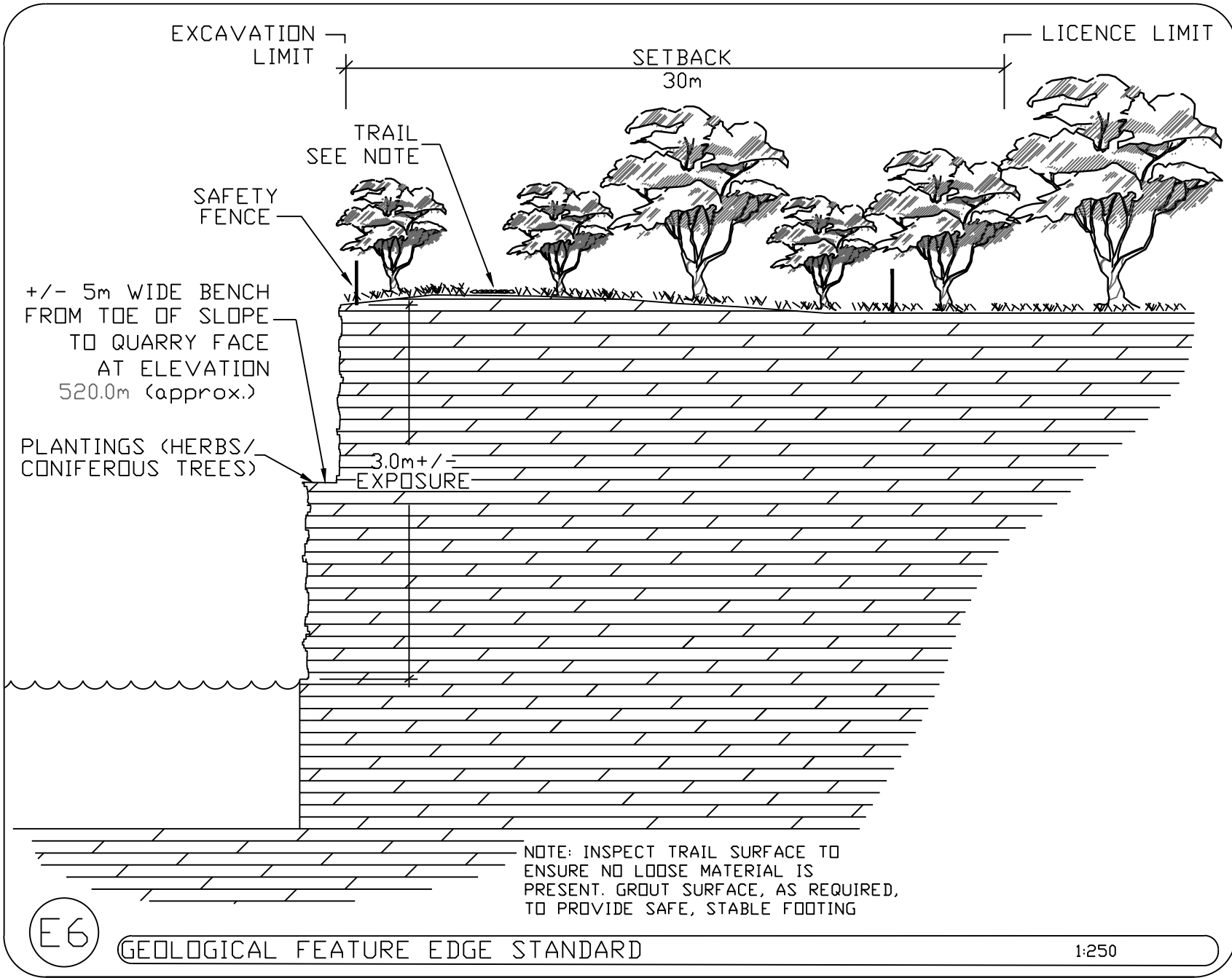
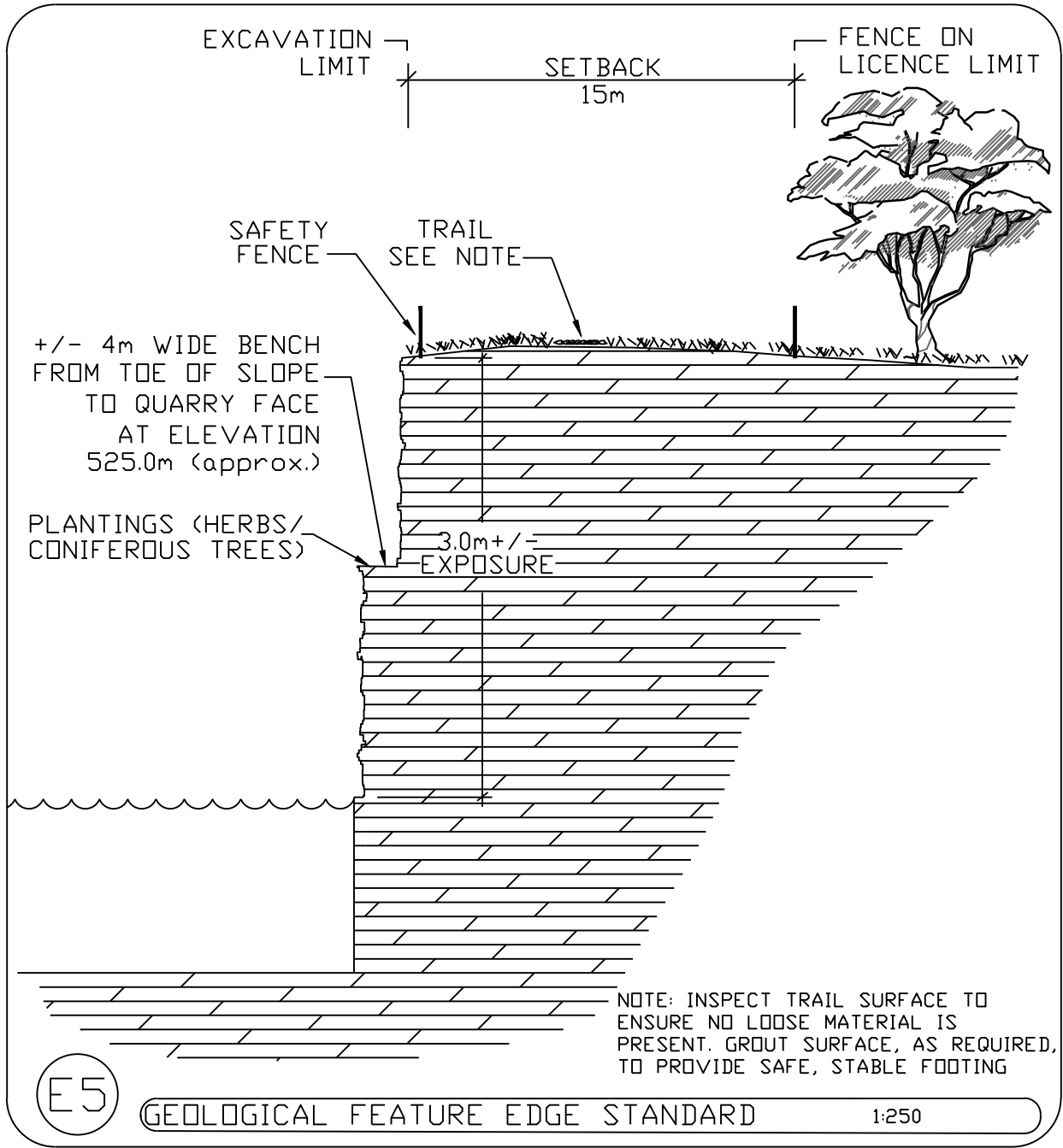
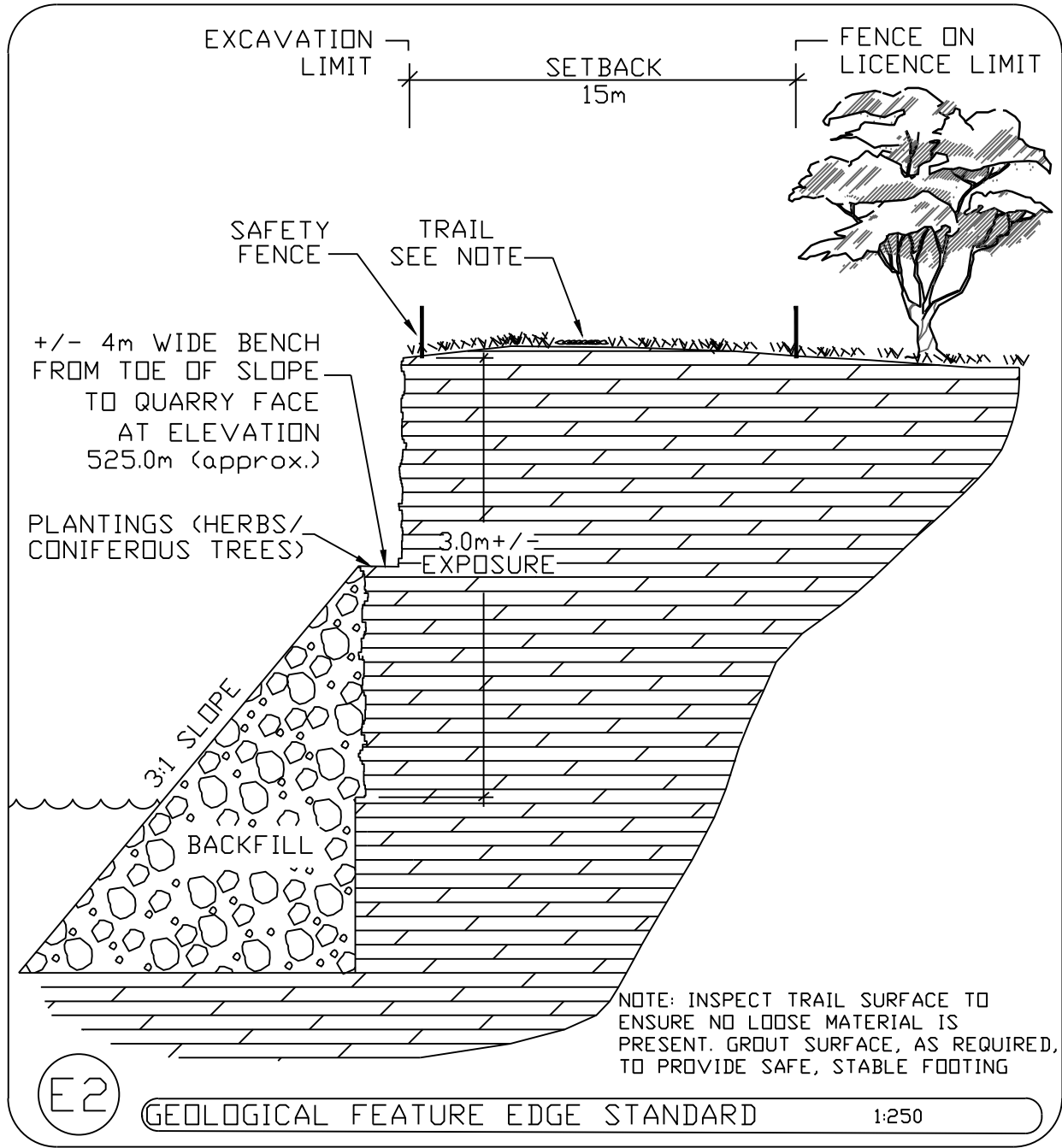
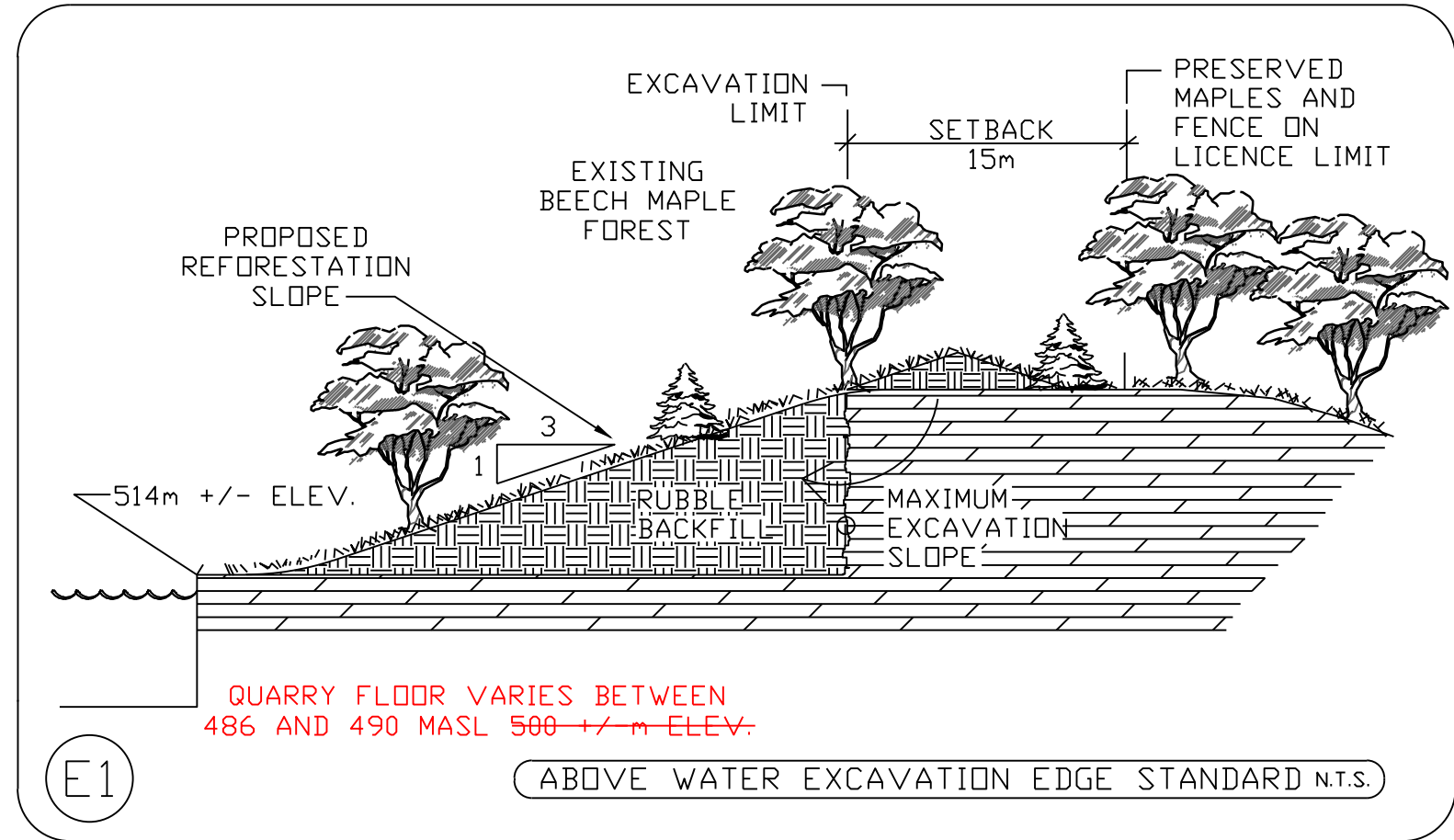
39 Stewart Road, Collingwood Ontario (705) 445-49

SCALE - 1 : 2000

DATE - OCT.9, 1997

B # 78-84-8, REHAB

PAGE 3 OF 5



NOTES:
1. OVERBURDEN ON SITE TO BE USED IN ISLAND CREATION
2. EXCAVATION WILL CREATE SHALLOW WATER ZONES 'A' AND 'B'
3. QUARRY PERIMETER BERM WILL BE UTILIZED FOR ISLAND CREATION AND FACILITATE WETLAND WILDLIFE CORRIDOR LINKAGE

NOTES
1. PLAN COMPILED FROM INFORMATION FROM DRAWINGS BY R.G. ROBINSON AND ASSOC. LTD.
RECEIVED AUGUST 1996 AND UPDATED BY MHBC PLANNING LTD., SINCE AUGUST 2001 MARCH-2015

PART OF LOT 24
CONCESSION 12
(FORMERLY TOWNSHIP OF NOTTAWASAGA)
TOWNSHIP OF CLEARVIEW
COUNTY OF SIMCOE

13	INCREASE THE MAXIMUM DEPTH OF EXTRACTION & UPDATE THE CROSS SECTIONS	NOVEMBER 2015	C.A.P.
12	REVISE NORTH FACE TO SHOW 5m WIDE BENCH	MAR16/15	D.G.S.
11	TO FACILITATE DUNTROON QUARRY EXPANSION	JULY11/14	A.M.
10	ADD 'E6' DETAIL AS PER MNR COMMENTS	FEB6/13	A.M.
9	GENERAL REVISIONS	JULY16/12	A.M.
8	REVISE NORTH SOUTH CROSS SECTION	NOV03/11	A.M.
7	REVISE ENTRANCE/EXCAVATION FACE	SEP19/02	D.G.S.
6	ADD FROST FENCE/SHIFT CONVEYANCE LINE	AUG14/02	D.G.S.
5	REVISIONS AS PER TOWNSHIP COMMENTS	FEB13/02	D.G.S.
4	GENERAL REVISIONS	SEP17/01	D.G.S.
3	GENERAL REVISIONS	AUG30/01	D.G.S.
2	GENERAL REVISIONS	AUG27/01	D.G.S.
1	GENERAL REVISIONS	AUG13/01	D.G.S.
NO.	REVISIONS	DATE	INITIAL



DUNTROON QUARRY
PART OF LOT 24 CONCESSION 12
TOWNSHIP OF CLEARVIEW, COUNTY OF SIMCOE
LICENCE NO 3514

WALKER AGGREGATES INC
P.O. BOX 100,
THOROLD, ONTARIO
L2V 3Y8

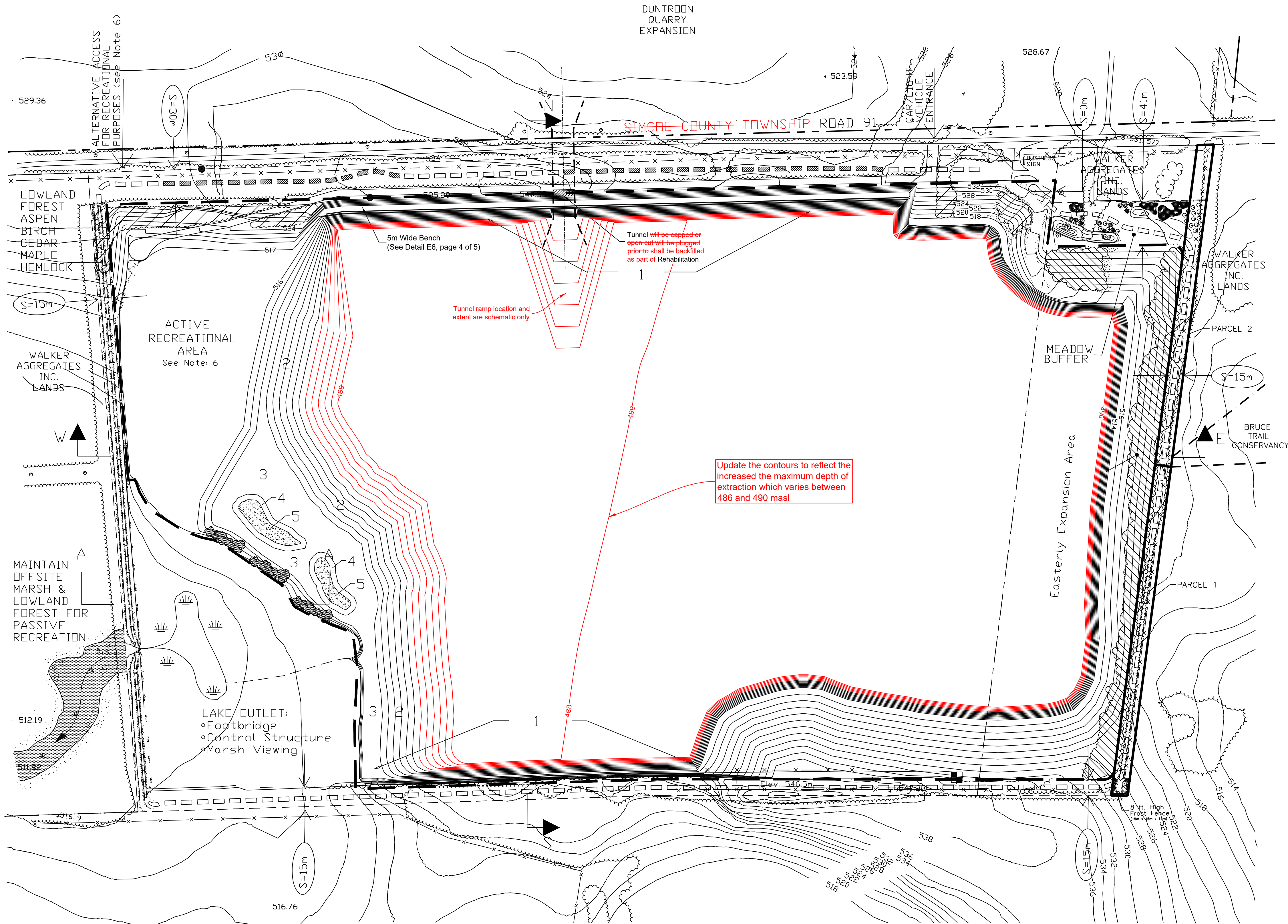
TYPICAL CROSS
SECTIONS

ZUBEK, EMO AND PATTEN LTD.
ONTARIO LAND SURVEYORS

29 Stewart Road, Collingwood Ontario (705) 445-4910

SCALE - 1 : AS SHOWN

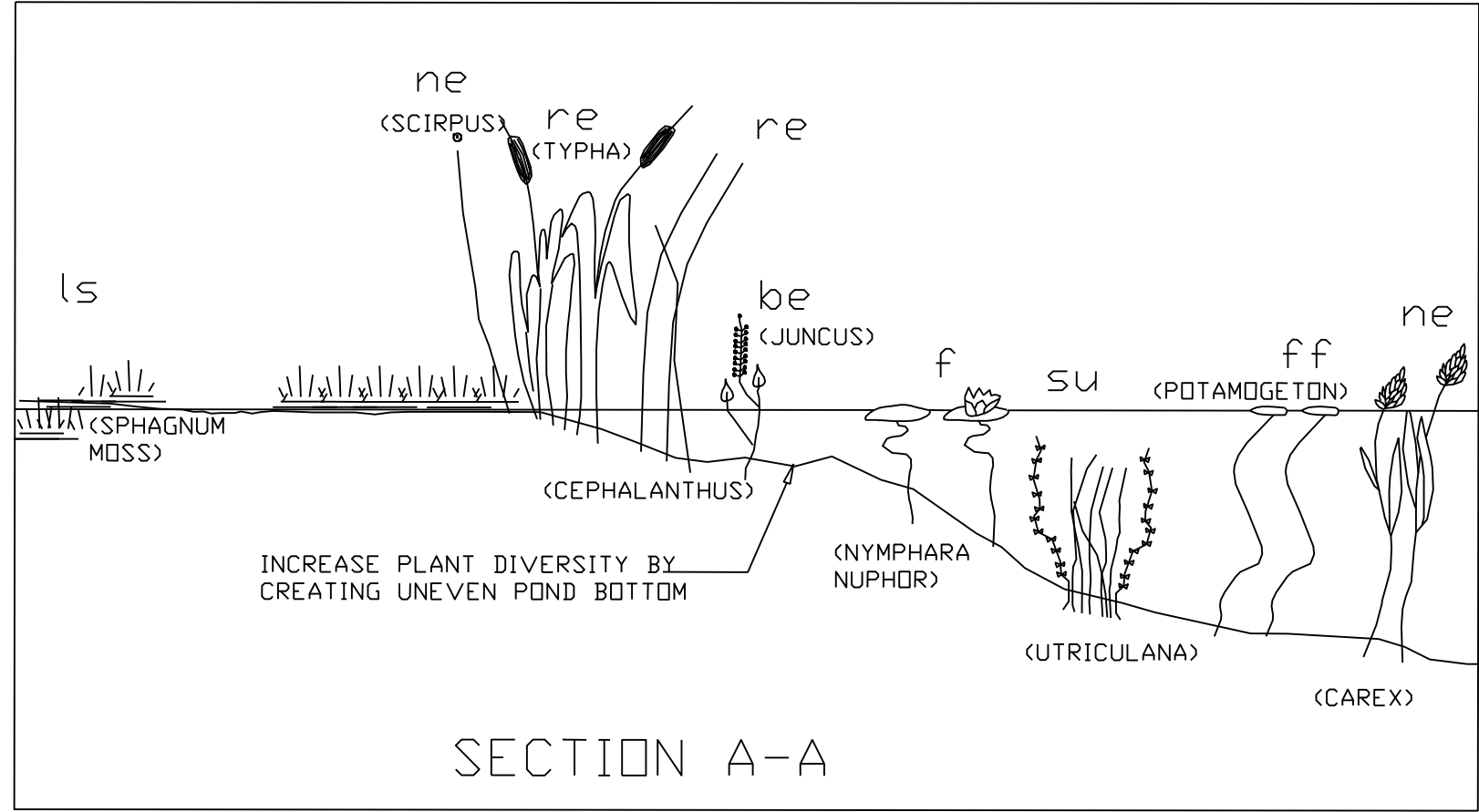
DATE - OCT.9, 1997
JOB # 78-84-8, REHAB.DGN PAGE 4 OF 5



- Notes
1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
 2. FOR GENERAL NOTES SEE PAGE 2.
 3. FOR ALL CROSS SECTIONS SEE PAGE 4.
 4. THE CONTOUR MAPPING WAS PREPARED BY LONG ASSOCIATES CONSULTING LIMITED IN MAY 31, 1993.
 5. PROPERTY BOUNDARY AND CORRESPONDING INFORMATION WAS DERIVED FROM AN EXISTING SITE PLAN PREPARED BY ZUBEK, EMO AND PATTEN LTD.
 6. TOPOGRAPHIC INFORMATION IS RELATED TO THE BENCH MARK REFERRED TO.
 7. PLAN COMPILED FROM INFORMATION FROM R.G. ROBINSON AND ASSOC. LTD. RECEIVED AUGUST 1996.
 8. PLAN UPDATED BY MHBC PLANNING LTD., AUGUST 2001 AND MARCH 2015 SINCE AUGUST 2001.

Notes

1. ORIGINAL REHABILITATION PLANS PREPARED BY LONG AND ASSOCIATES CONSULTING LIMITED, APPROVED BY THE MINISTRY OF NATURAL RESOURCES ON MAY 30, 1993.
2. PLAN COMPILED FROM INFORMATION FROM PLANS PREPARED BY R.G. ROBINSON AND ASSOCIATES LTD.
3. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
4. FOR GENERAL NOTES SEE DWG. No. 2.
5. FOR ALL CROSS SECTIONS SEE DWG. No. 4.
6. THE CONTOUR MAPPING WAS PREPARED BY M.N.R. AIR PHOTO IN OCTOBER 1989.
7. PROPERTY BOUNDARY AND CORRESPONDING INFORMATION WAS DERIVED FROM AN EXISTING SITE PLAN PREPARED BY ZUBEK, EMO AND PATTEN LTD.
8. TOPOGRAPHIC INFORMATION IS RELATED TO THE BENCH MARK REFERRED TO.



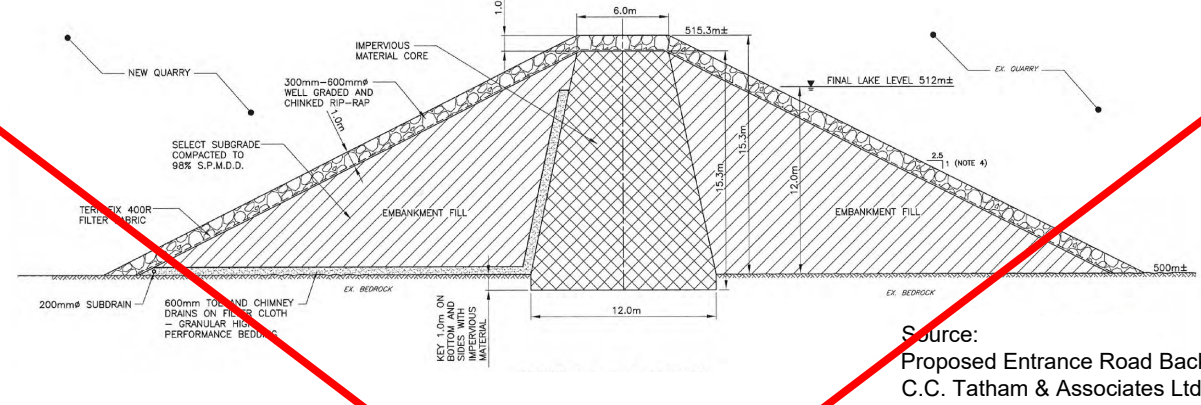
AQUATIC VEGETATION TYPE SYMBOLS

- | | | | |
|----|-------------------------|-------|-------------------------------|
| re | ROBUST EMERGENTS | ff | FREE FLOATING VEGETATION |
| ne | NARROW LEAFED EMERGENTS | ls | LOW SHRUBS |
| be | BROAD LEAFED EMERGENTS | ts | TALL SHRUBS |
| f | FLOATING PLANTS | gc | GROUND COVER (MOSS, HERBS) |
| su | SUBMERGED VEGETATION | dh,dc | DEAD HARDWOODS, DEAD CONIFERS |
| u | UNVEGETATED | | |

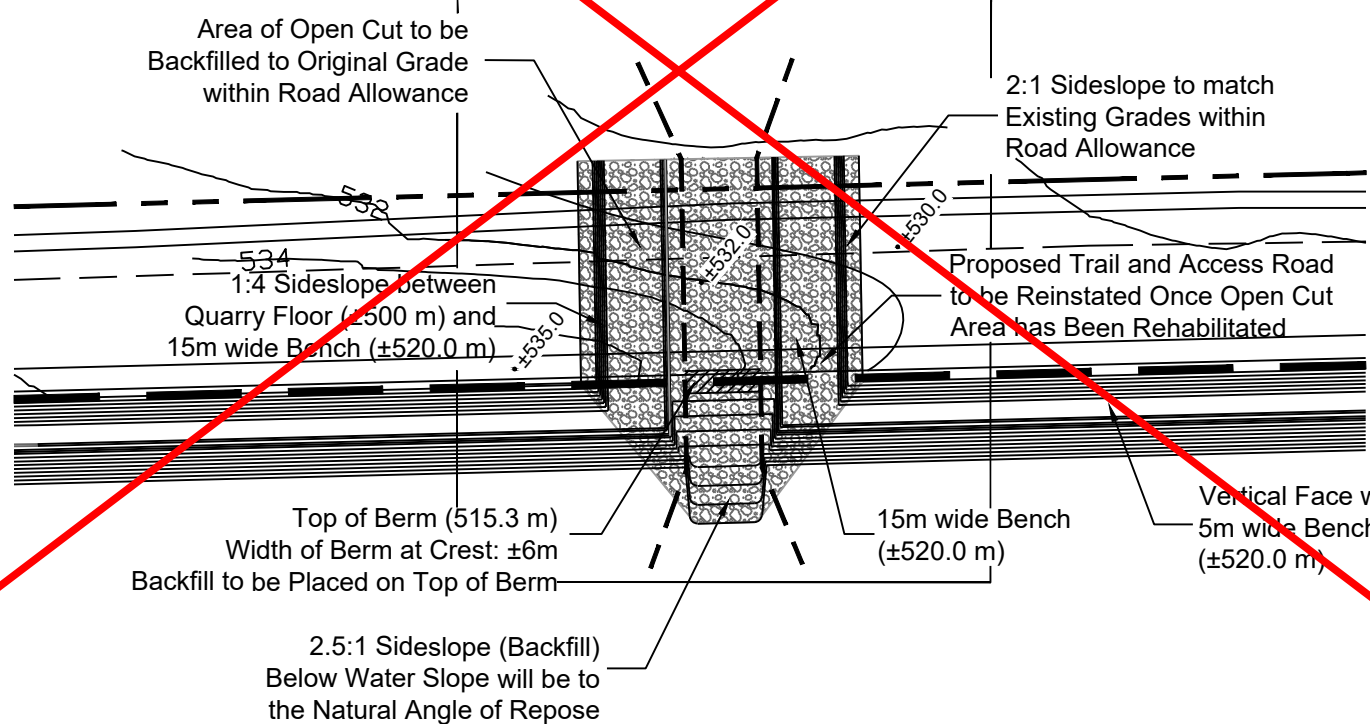
VEGETATION COMMUNITY TYPES

- 1 CLIFF FACE (FERN ASSEMBLAGE AND CONIFERS)
 - 2 AQUATIC MARSH COMMUNITY (>0.25m TO 2.0m LIMIT)
 - 3 SEMI-AQUATIC MARSH COMMUNITY (AS ABOVE BUT UPSLOPE IN LESS WATER: <0.25m TO HIGH AND DRY)
 - 4 THICKET SWAMP (AS ABOVE BUT ONLY A FEW CENTIMETRES OF WATER)
 - 5 MAN MADE ISLAND
- FUTURE WOODLANDS

Open Cut Scenario Cross Section



Open Cut Scenario Rehabilitation



PART OF LOT 24 CONCESSION 12
(FORMERLY TOWNSHIP OF NOTTAWASAGA)
TOWNSHIP OF CLEARVIEW
COUNTY OF SIMCOE

LEGEND

- LICENSED BOUNDARY
- N.E.P. DESIGNATION BOUNDARY
- AREA TO BE EXCAVATED
- WALKER AGGREGATES INC. LANDS
- DUNTROON QUARRY EXPANSION LANDS
- EXISTING CONTOURS
- SPOT ELEVATIONS
- FENCES
- WIDTH OF EXCAVATION SETBACK
- PROPOSED CONTOURS
- EXISTING TRAIL SYSTEM
- PROPOSED TRAIL SYSTEM
- BENCH
- BRUCE TRAIL ASSOCIATION

NO.	REVISIONS	DATE	INITIAL
12	INCREASE THE MAXIMUM DEPTH OF EXTRACTION & REMOVE THE OPEN CUT SCENARIO	NOVEMBER 2025	C.A.P.
11	REVISE NORTH FACE TO SHOW 5m WIDE BENCH AND TRAIL/OPEN CUT INFORMATION	MAR.16/15	D.G.S.
10	TO FACILITATE DUNTROON QUARRY EXPANSION	JULY.11/14	A.M.
9	GENERAL REVISIONS	JULY.16/12	A.M.
8	REVISE NORTH FACE	NOV.03/11	A.M.
7	REVISE ENTRANCE/EXCAVATION FACE	SEP.19/02	D.G.S.
6	ADD FROST FENCE/SHIFT CONVEYANCE LINE	AUG.14/02	D.G.S.
5	REVISIONS AS PER TOWNSHIP COMMENTS	FEB.13/02	D.G.S.
4	GENERAL REVISIONS	SEP.17/01	D.G.S.
3	GENERAL REVISIONS	AUG.30/01	D.G.S.
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DUNTROON QUARRY
PART OF LOT 24 CONCESSION 12
TOWNSHIP OF CLEARVIEW, COUNTY OF SIMCOE
LICENCE NO 3514

WALKER AGGREGATES INC.
P.O. Box 100,
Thorold, Ontario
L2V 3Y8

VEGETATION COMMUNITY
AND FINAL REHABILITATION
PLAN

ZUBEK, EMO AND PATTEN LTD.
ONTARIO LAND SURVEYORS

39 Stewart Road, Collingwood Ontario (705) 445-4910

SCALE - 1:2000

DATE - OCT.9, 1997
JOB # 78-84-8, REHAB.DGN
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