

(2)

HCAD V2.0

2002.8.9

1.

CAD

SOURCE

가 CALS

1-1.

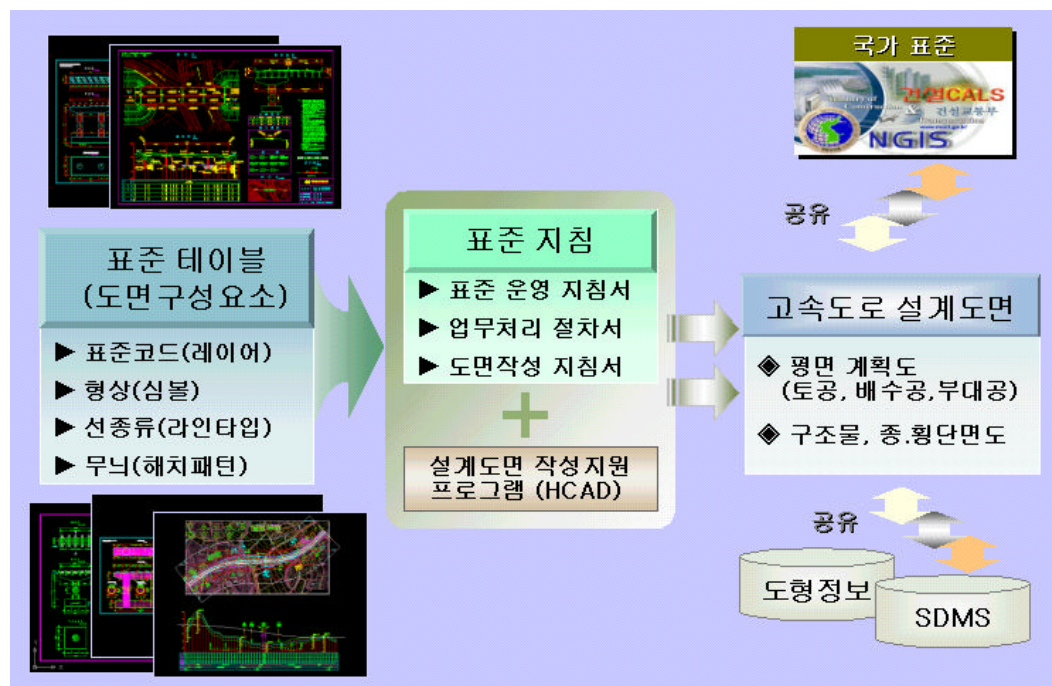
1)

2)

3) 가

4) 가 CALS

5) -> 가 -> ->



1-2.

1)

2)

- ()
- ()
- ()
- ()
- ()
- (, ,)
- ()

1-3.

1) CAD 가

2) ()

LIN		- : LINE	,	
PLN		- : POLYLINE	,	
PGN		- : POLYLINE	,	/
SYM		- :	IP, TBM, CP,	/
Tnnn		- : TEXT	* nnn : (:T25=2.5mm)	/

1-4. (HCAD)

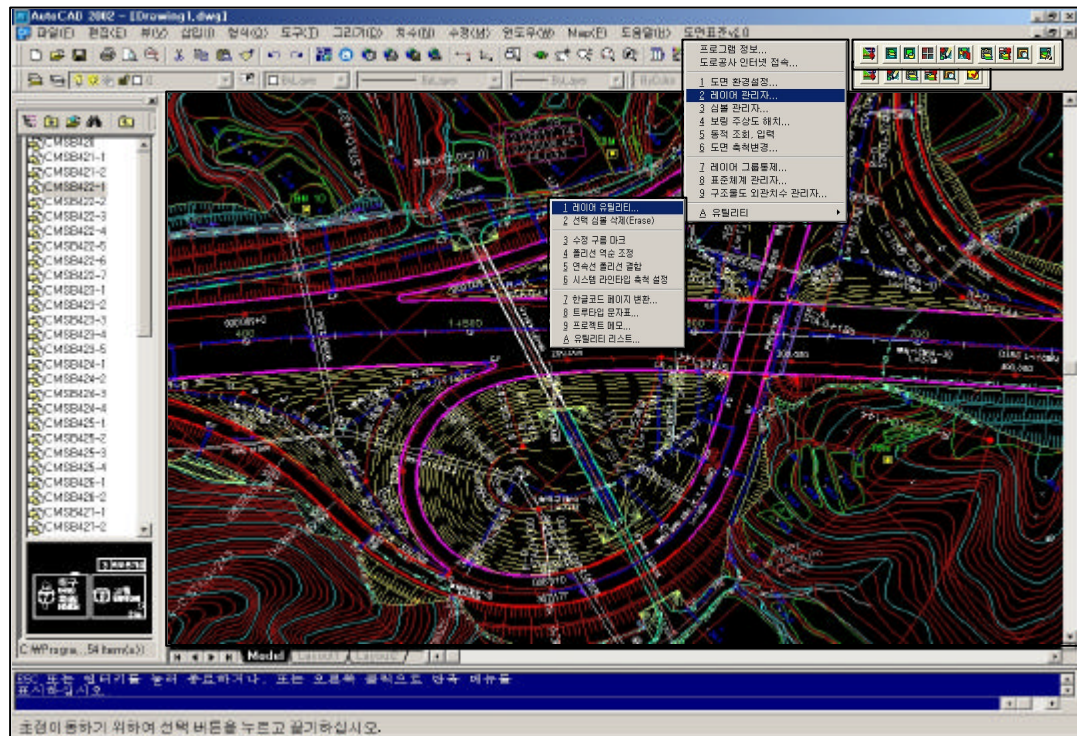
1) HCAD

2) HCAD AutoCAD 3rd party AutoCAD r14

3) HCAD
가

4) HCAD / , ,

5) HCAD

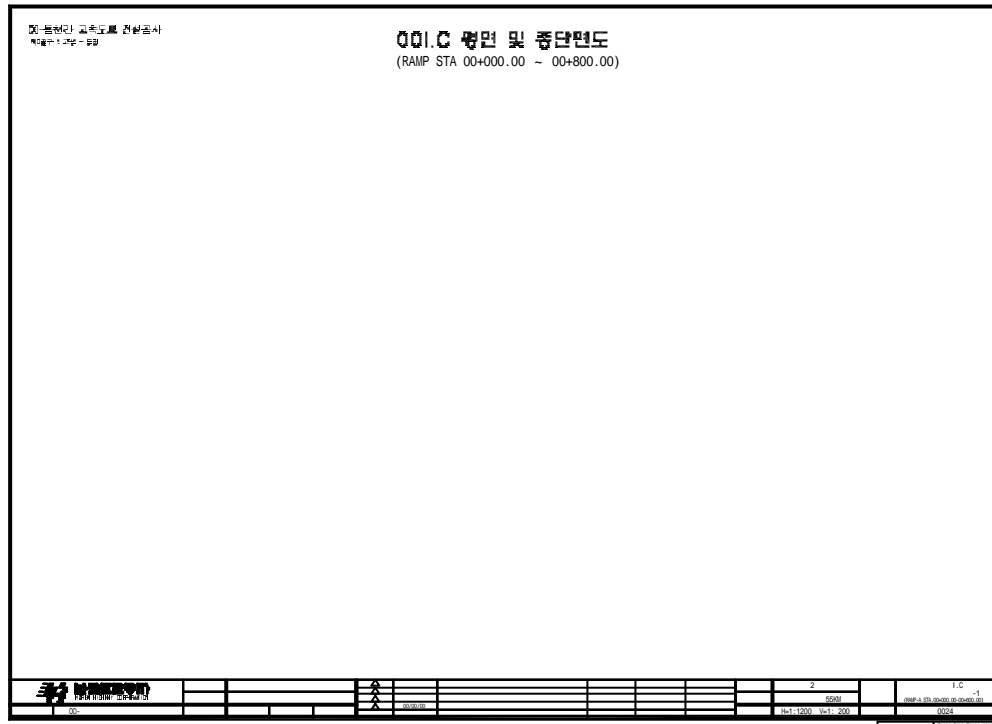


2.

2-1.

1)

2)



: 46

(55-59 , 66-70)

: (HCAD) \ TEMPLATE \ KHCBLKA1 - *.DWG

2-2.

(Base Map)

1)

(Base Map)

가

(NGIS)

가

: KICS.KO-10.0067

가 (NGIS) 가 -

: TTA.KO-10.0096

가 (NGIS) 가 - 가 ,

2)

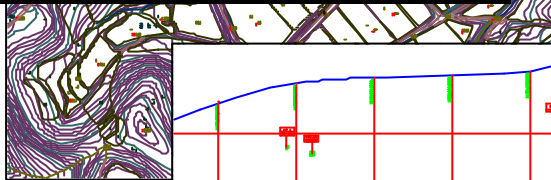
: HCAD 70

2-3. ()

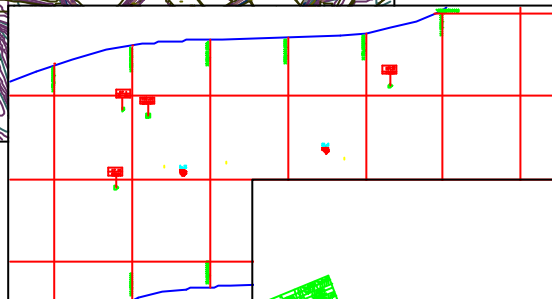
2-3-1. (, ,)



(가)



(CG: ,)
(CX:)

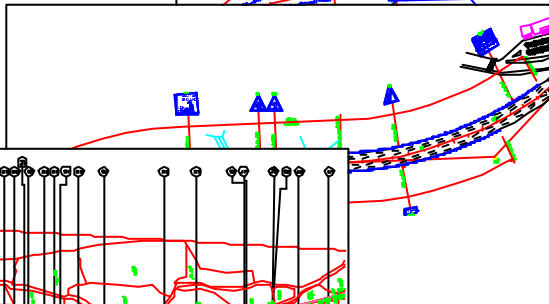


(CE: ,)

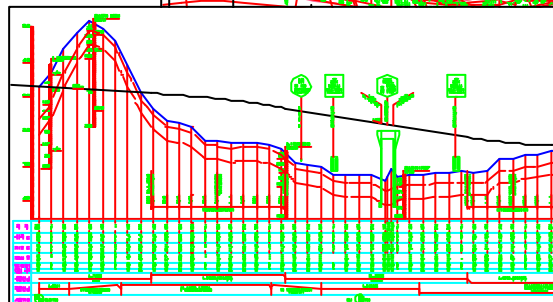


(CD: ,)

(CM,)

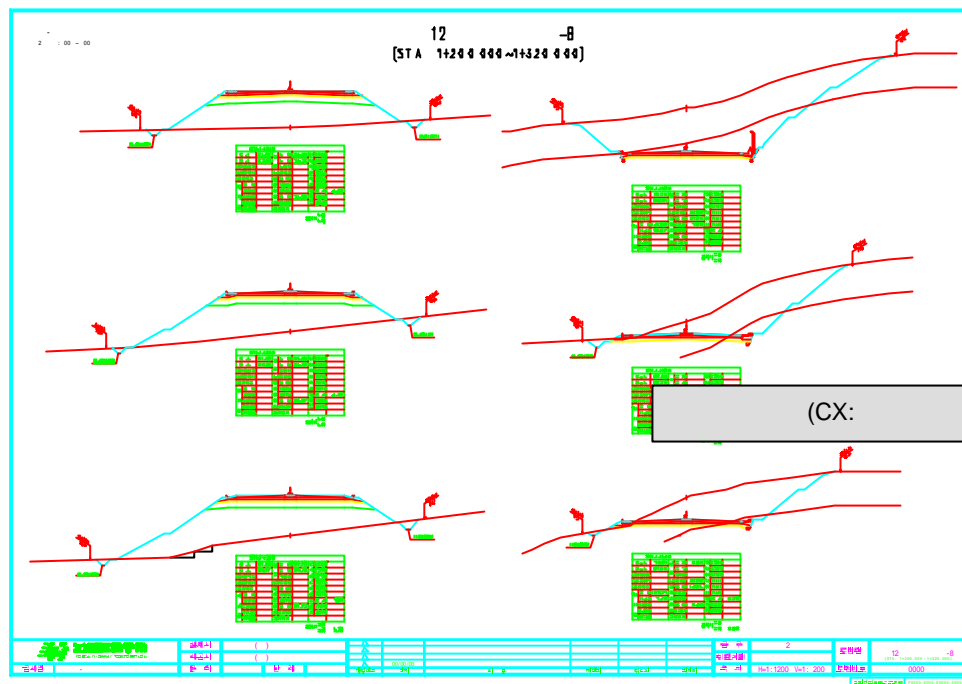


(CL:)

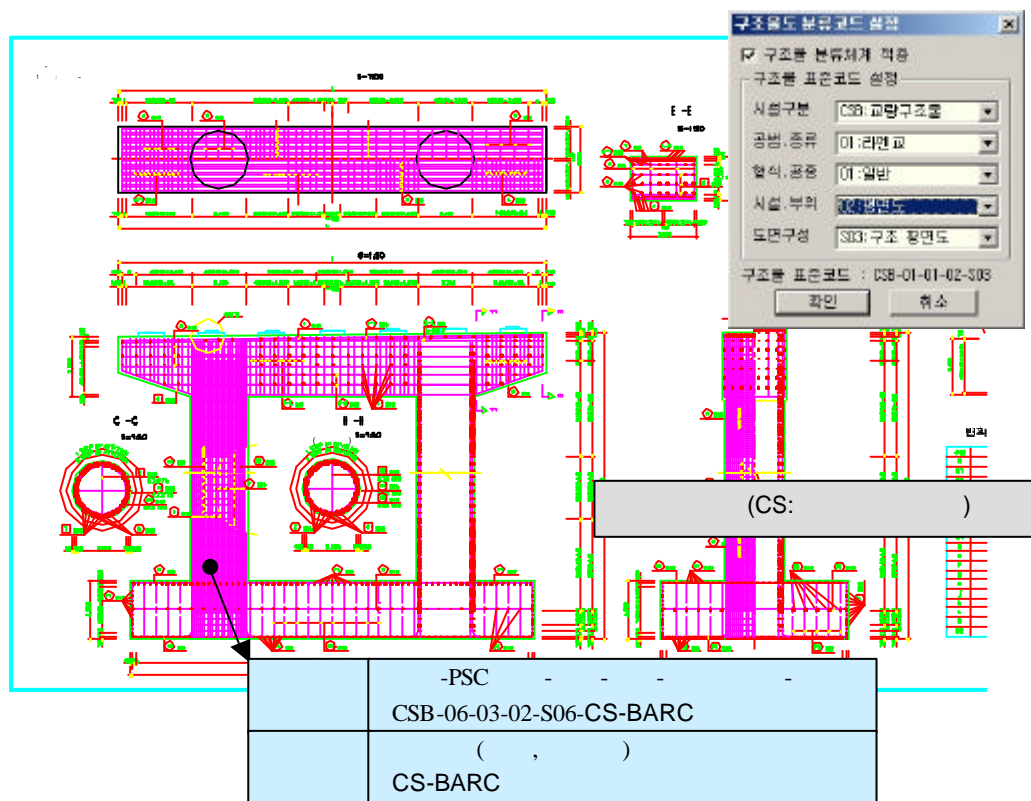


(CR:)

2-3-2.



2-3-3.



: 77, 78

: HCAD 30

2-4.

2-4-1. (Layer)

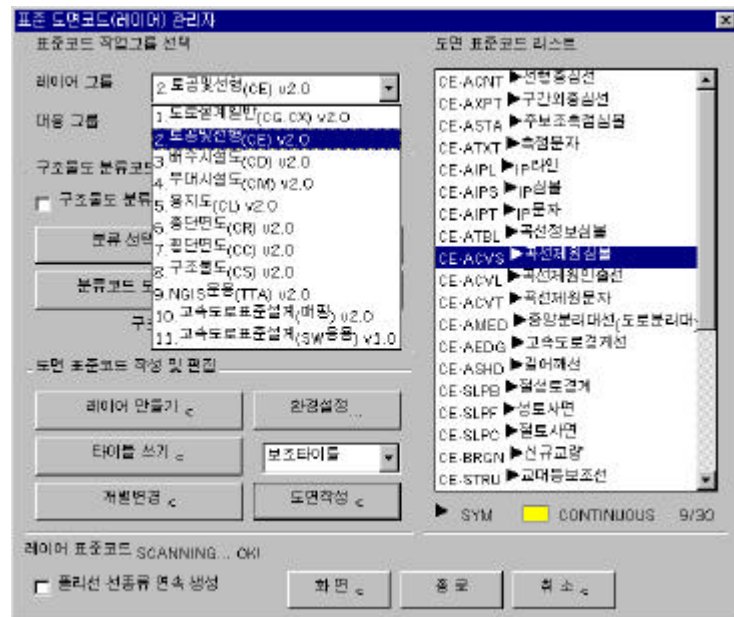
1) HCAD

2) ()

: 74, 75

: (1-14)

: HCAD 71



한국도로공사 전산설계도서
토목도면 라이브러리 목록서

표준코드(레이어)

개정번호 : 1
쪽 번호 : 3

1.2 도공 및 선형(CE)

표준코드(레이어) v2.0

번호	도로설계(표준형설계도면)				국가수치지도(1/1,000)				지형지명명	형상예제 (참고도면기준)	비고
	레이어	형태	색상	선종류	레이어	형태	색상	선종류			
201	CE-ACNT	PLN	1	CONT	AD002	LIN	7	CONT	선형중심선		선형본선 그룹은 필요에 의해 사용과 정의 부위를 선형으로 입력할 수 있음. [예] 선형명이 '보리'의 선형 중심선의 경우 CE-ACNT → CE-ACNT-본선
202	CE-AXPT	PLN	2	DASHED	ADA001	LIN	7	DASHED	구간외중심선		
203	CE-ASTA	SYM	1	CONT	AL000	SYM	7	CONT	주보조중심선		
204	CE-ATXT	T25	3	CONT	ZC006	T25	7	CONT	측정문자		
205	CE-AIPL	LIN	1	CONT	AL000	LIN	7	CONT	IP라인		
206	CE-AIPS	SYM	2	CONT	AL000	SYM	7	CONT	IP상부		
207	CE-AIPT	T30	4	CONT	ZC005	T30	7	CONT	IP문자		
208	CE-ATBL	SYM	3	CONT	AL000	SYM	7	CONT	곡선정보상부		
209	CE-ACVS	SYM	2	CONT	AL000	SYM	7	CONT	곡선정보상부		
210	CE-ACVL	LIN	1	CONT	AL000	LIN	7	CONT	곡선정보인출선		
211	CE-ACVT	T25	3	CONT	ZC006	T25	7	CONT	곡선정보문자		

2-4-2. (Symbol Block)

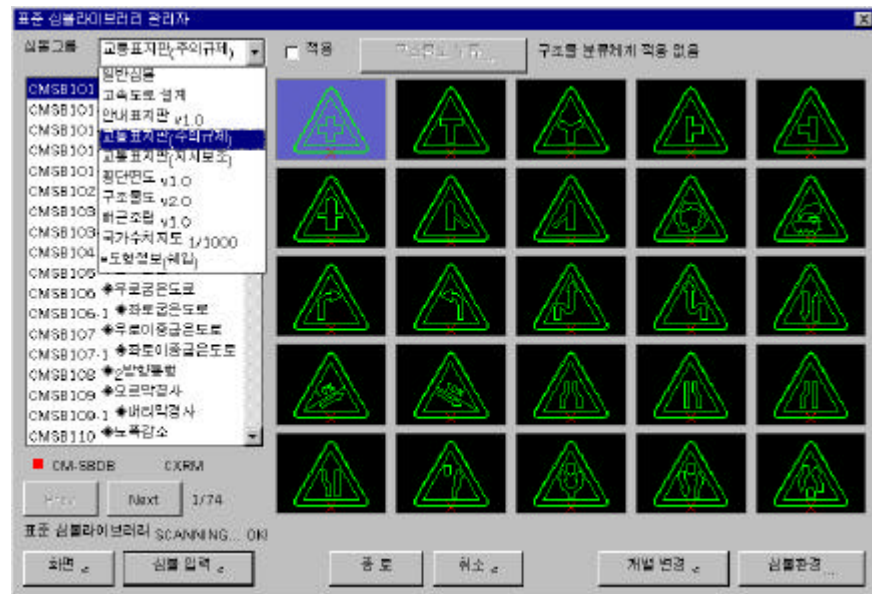
1) HCAD

2)

: 72

: (17-42)

: HCAD 72,73



한국도로공사 전산설계도서
토목도면 라이브러리 목록서

표준형상(심볼)

개정번호 : 1
쪽 번호 : 27

2.4 교통표지판(주의,규제) : CM 분야

표준형상(심볼) v2.0

번호	도로설계(표준특성제도면)			국가수치지도(1/1,000)			해설	비고
	심볼명	레이어	형상	심볼명	레이어	형상		
401	CM5B101	CM-SBDB		AM024	AM024		+자형표지형표지	주의 표지판
402	CM5B101-1	CM-SBDB		AM024	AM024		T자형표지형	
403	CM5B101-2	CM-SBDB		AM024	AM024		Y자형표지형	
404	CM5B101-3	CM-SBDB		AM024	AM024		T자형고차로	
405	CM5B101-4	CM-SBDB		AM024	AM024		Y자형고차로	
406	CM5B102	CM-SBDB		AM024	AM024		우선도로	
407	CM5B103	CM-SBDB		AM024	AM024		우회도로	

2-4-3. (Linetype, Symbol Line)

- 1) 가 (POLYLINE) .
- 2) 가 () (POLYLINE) .
- 3) .

: 61
 : (49-53)
 : HCAD 71,82, 83

한국도로공사 전신설계도서
도로도면 라이브러리 목록서

선 종류(라인타입)

개정번호 : 1

쪽 번호 : 51

3.2 배수관로

선 종류(라인타입) v2.0

번호	대분류	중분류	라인명	형식	설명	비고
201			CDV000	— V — V — V — V —	V형 측구	103
202			CDV000R	— A — A — A — A —	V형 측구R	
203			CDV001	— V1 — V1 — V1 — V1 —	V형 측구-형식1	
204			CDV001R	— L1 — L1 — L1 — L1 —	V형 측구-형식1R	
205			CDV002	— V2 — V2 — V2 — V2 —	V형 측구-형식2	
206			CDV002R	— Z1 — Z1 — Z1 — Z1 —	V형 측구-형식2R	
207			CDV003	— V3 — V3 — V3 — V3 —	V형 측구-형식3	
208			CDV003R	— E1 — E1 — E1 — E1 —	V형 측구-형식3R	
209			CDV004	— V4 — V4 — V4 — V4 —	V형 측구-형식4	
210			CDV004R	— A1 — A1 — A1 — A1 —	V형 측구-형식4R	
211			CDV005	— V5 — V5 — V5 — V5 —	V형 측구-형식5	
212			CDV005R	— G1 — G1 — G1 — G1 —	V형 측구-형식5R	
213			CDV006	— V6 — V6 — V6 — V6 —	V형 측구-형식6	
214			CDV006R	— G1 — G1 — G1 — G1 —	V형 측구-형식6R	
215			CDV007	— V7 — V7 — V7 — V7 —	V형 측구-형식7	

2-4-4. (Annotation, Text)

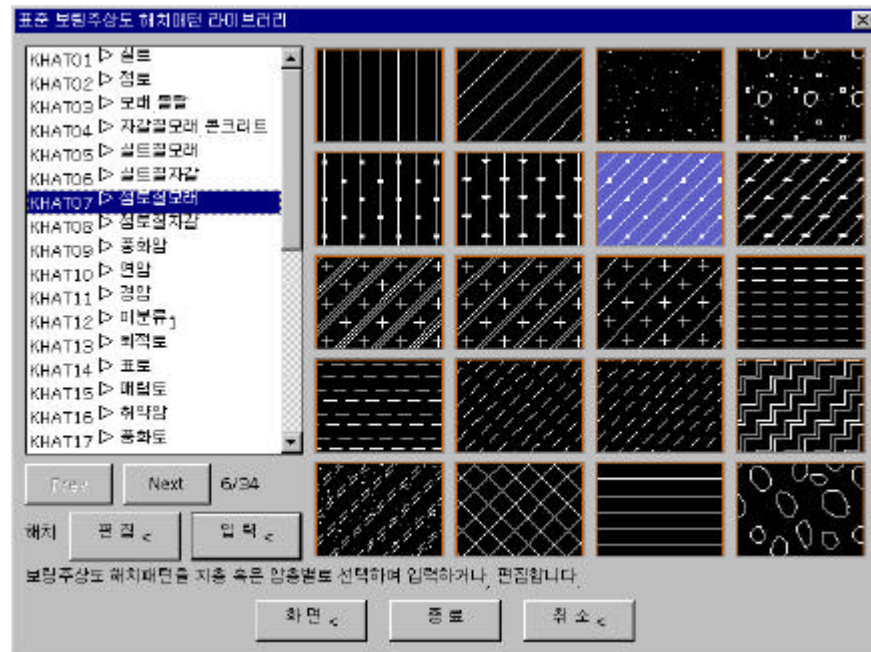
- 1) AutoCAD Windows
- 2) KS
- 3)

: 63, 64

2-4-5. (Hatch Pattern)

1)

62



한국도로공사 전산설계도서
토목도면 라이브러리 목록서

해치패턴

개정 번호 : 1
쪽 번호 : 57

4.1 보링주상도

해치패턴 v2.0

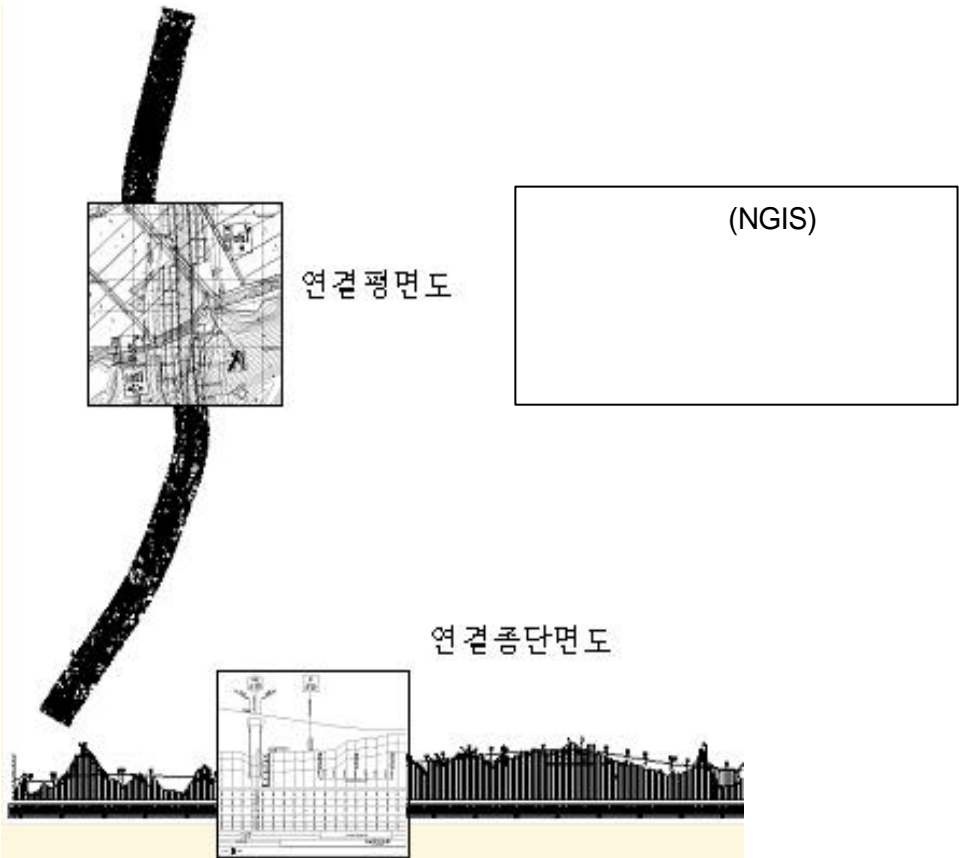
번호	도로설계(표준화설계도면)			해설	비고
	해치명	형상			
101	KHAT01			실트	
102	KHAT02			점토	
103	KHAT03			모래, 율퐁	
104	KHAT04			지갈질모래 콘크리트	
105	KHAT05			실트질모래	
106	KHAT06			실트질자갈	
107	KHAT07			점토질모래	

2-4-6. (Pen Width and Color)

- 1) .
 - 2) () .
- : 60
- : HCAD 112

2-4.

- 1) .
- 2) , .



- 3) , , .
 - 4) , .
- : 82

1)

, 가 , ,



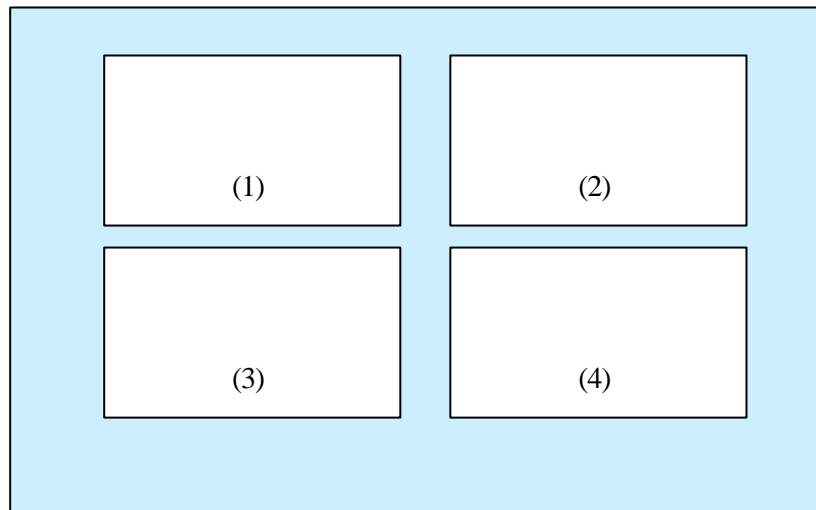
1)

2)

4.

1)

2) INSERT
가 , 가 .()

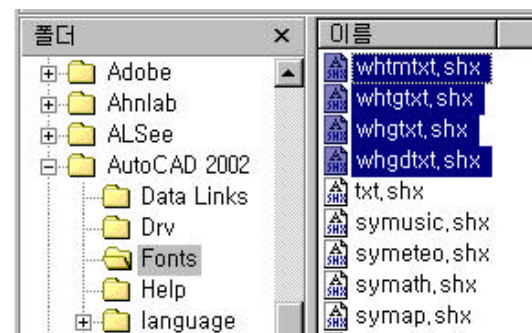


3)

가

4) AutoCAD HCAD

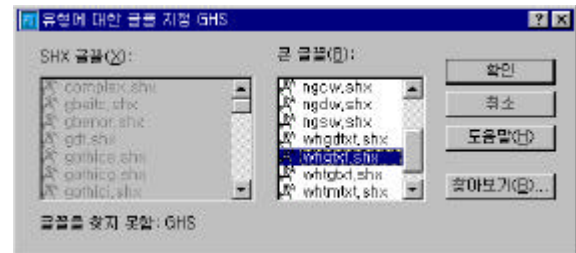
5) AutoCAD fonts 가



4-1. OPEN

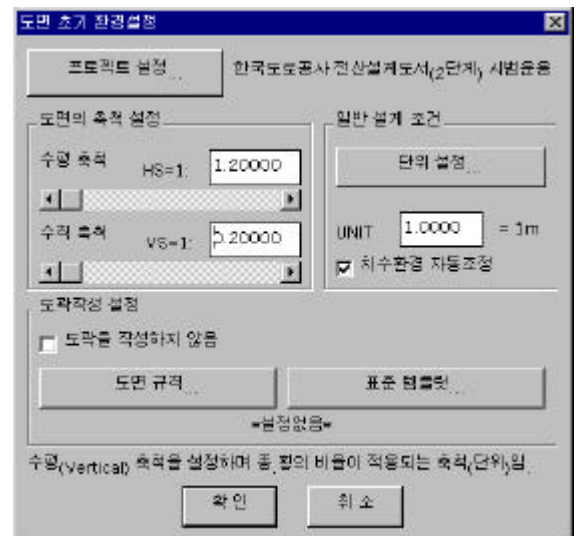
1) OPEN

가



2)

HS=1/1200, VS=1/200



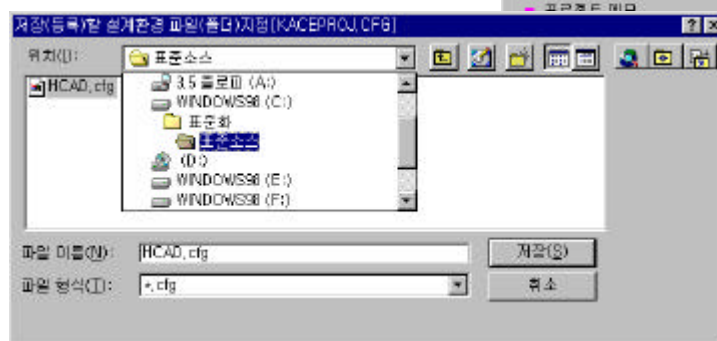
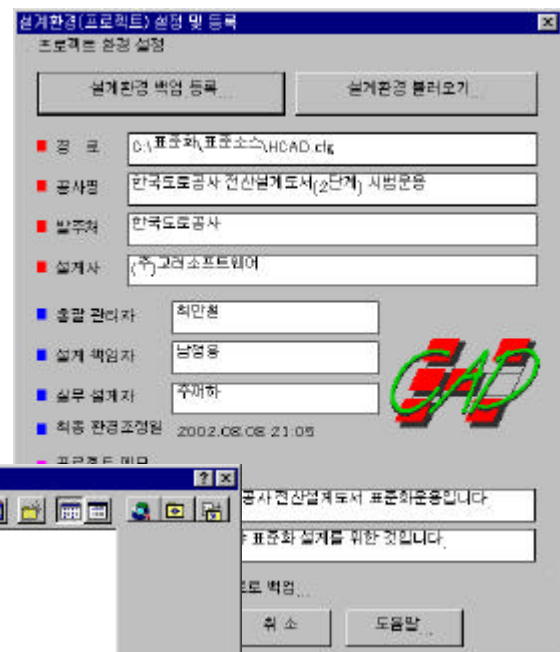
3)

->

...

() .cfg

가



4-2.



1

1) ()

(Base Map)

1/1000

가

(1) 

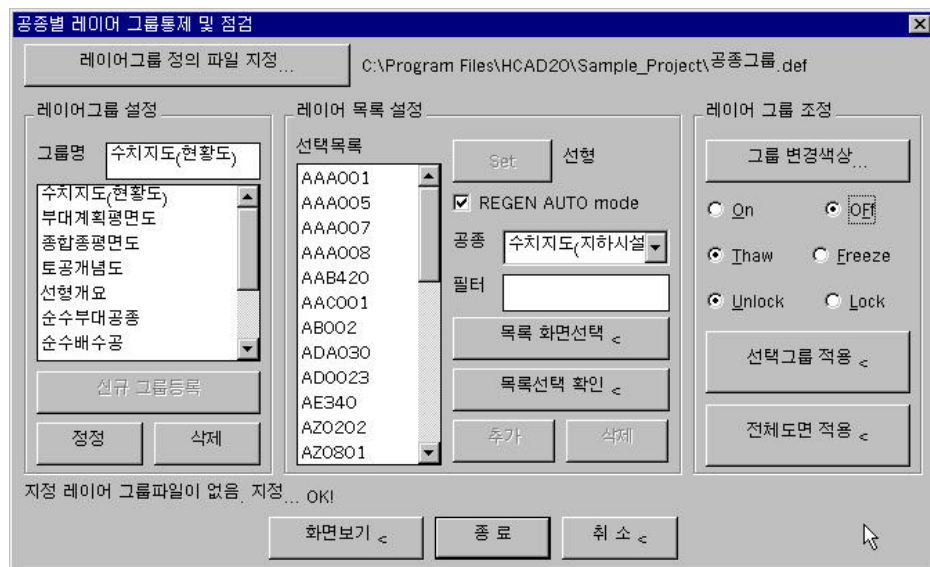
)

(2) ☒ off

->

<

off



가

가

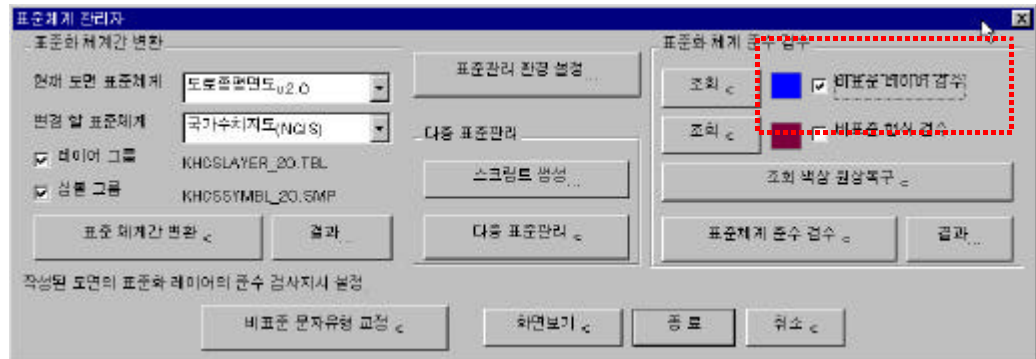
2)

(1) 

...

->

->



>>

... 10217EA CHECKED!

>>

... 2 CHECKED!

☒

10217

2 가

(2)

>>

ROMANS.SHX,

WHGTXT.SHX

...

[GHM1]

,

!

[GHS]

!

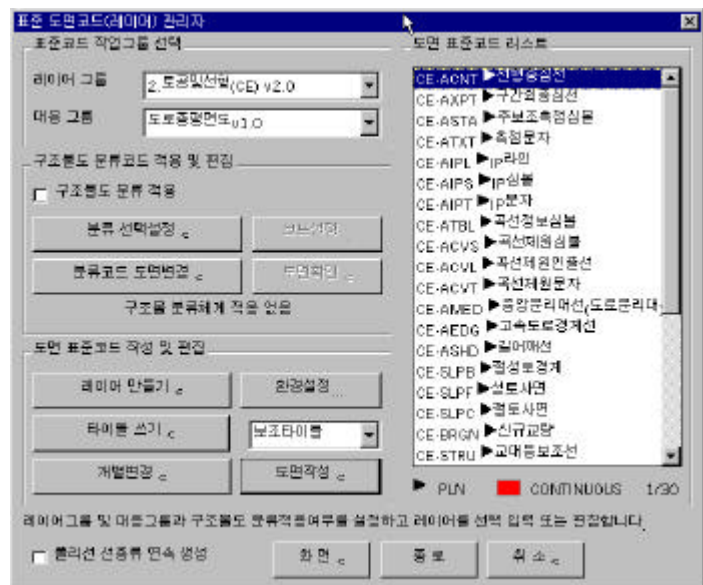
>> 2


!

(3)

4-3.


☒






(1) 

2.

(CE)

(2) 

off

- ☒ off
- 1)
- ☒ off
- (1)  2. (CE)
- (2)
- [(A)/ (U)/<None>] :
- >>> ... [((210 0.0 0.0 1.0) (8 . CE-ACNT) (0 . LINE))]
- >> 103
- ☒
- [(A)/ (U)/<None>] : U
- ...
- ☒ 가
- 2)
- (1)  2. double click
- (2) 
- [(T)/< (R)>] : T
- ...
- : 1
- ☒ 8~10
- ☒

4-4.



off

1)



3)

<

()

<All> :

:

()

: [CGBORN2] 4

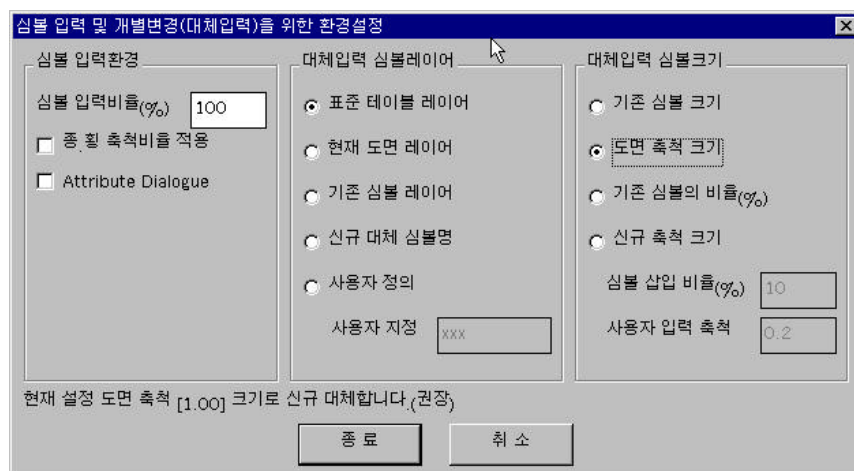
4

!



가

가




3)

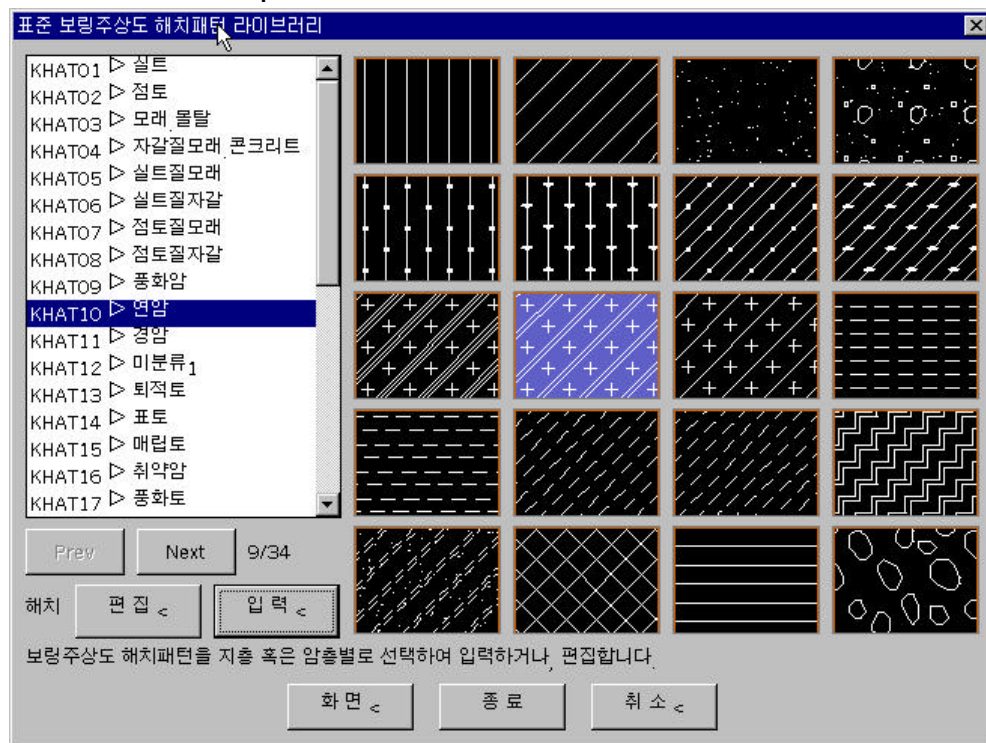
가

double click

4-5.

1) 

...



☒ AutoCAD BHATCH

8~10

4-6.

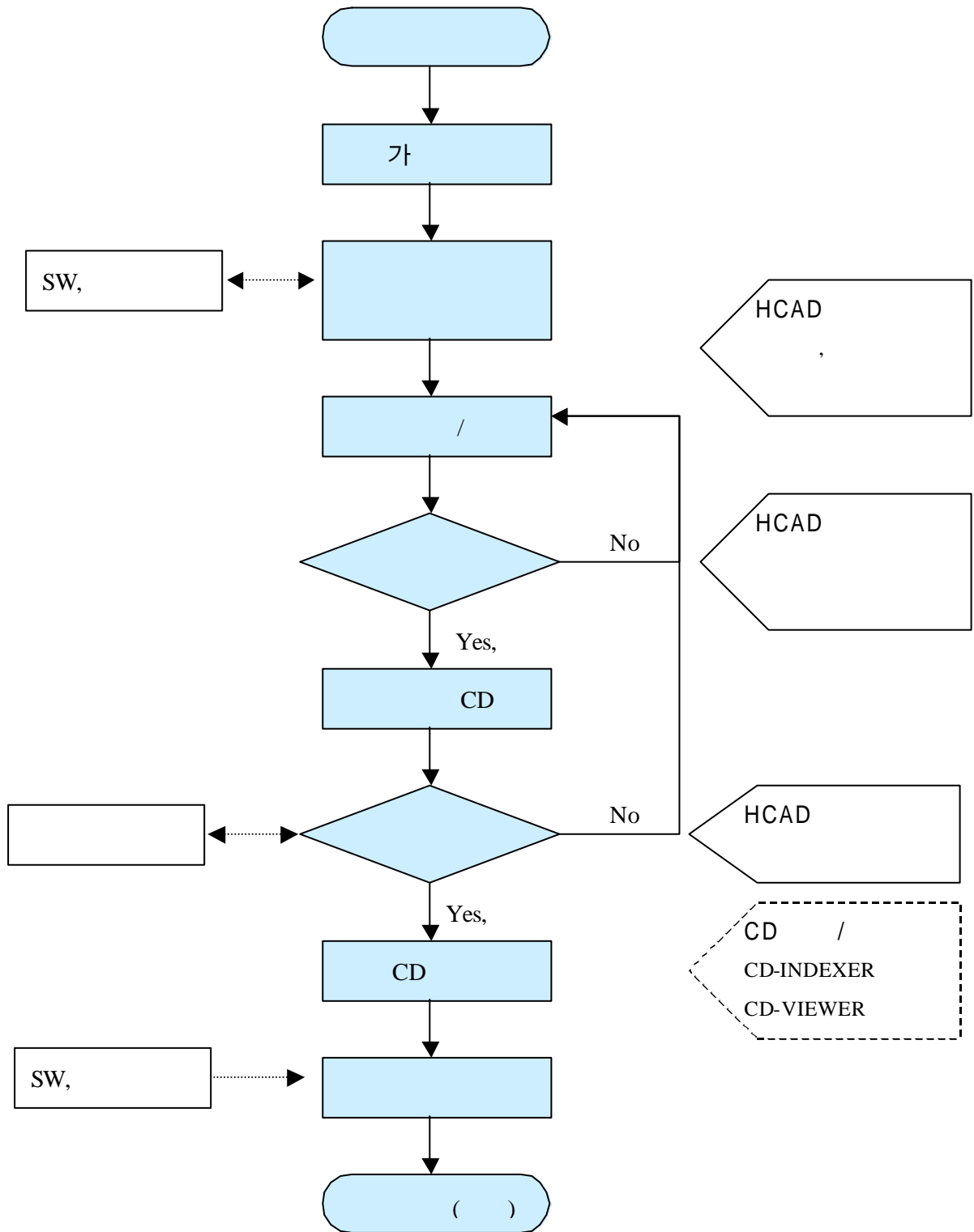
1) (4 2 6 2)

2) HCAD v2.0

3) ,

4.

4-1.



4-2.

1)

(가)

HCAD

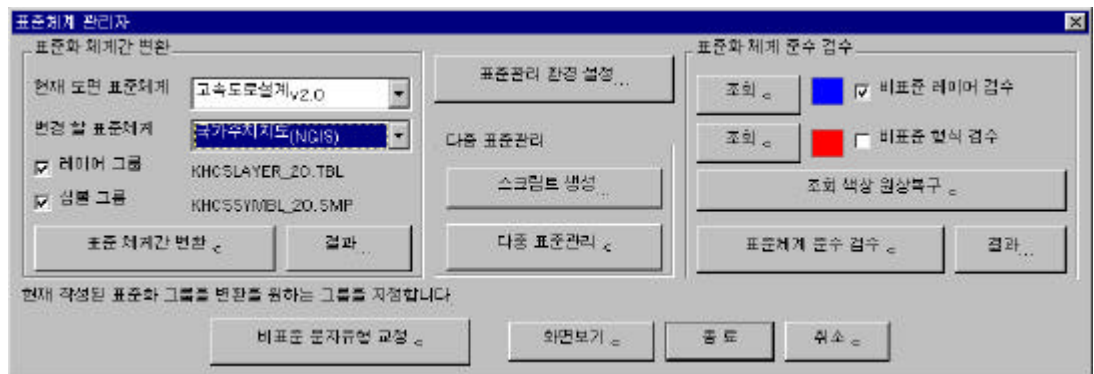
: HCAD 71

2)

3)

4-3.

1)



>>

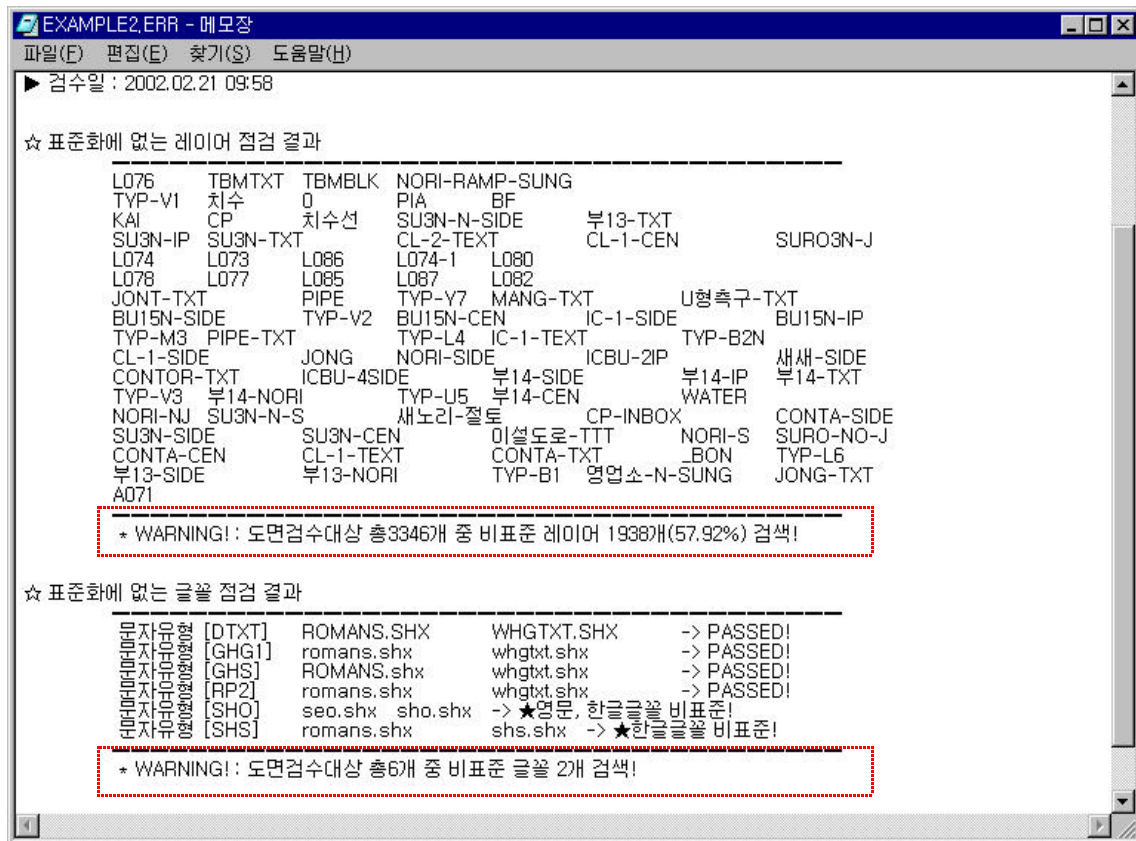
... 4482EA CHECKED!

>>

... 2 CHECKED!



BYLAYER



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: (02)3424-2707

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