


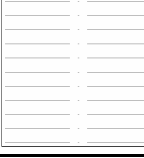
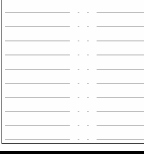

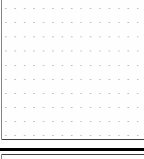
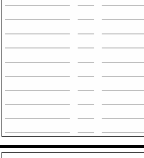




부속서 5. 토목 해칭 목록

V4.0

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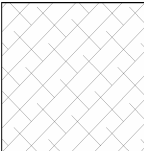
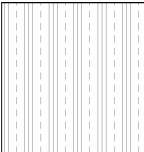
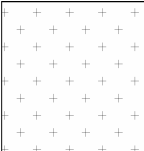
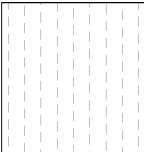

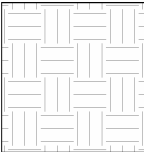
● 일반(Z) General for common

| 번호 | 공통분류 | 해칭코드 | 해칭형상 | 내 용 | 비고 |
|-----|----------|------------|---|-------------|----|
| 001 | ISO 국제규격 | A-ISO NS01 |  | ISO 국제규격 01 | |
| 002 | | A-ISO NS02 |  | ISO 국제규격 02 | |
| 003 | | A-ISO NS03 |  | ISO 국제규격 03 | |
| 004 | | A-ISO NS04 |  | ISO 국제규격 04 | |
| 005 | | A-ISO NS05 |  | ISO 국제규격 05 | |
| 006 | | A-ISO NS06 |  | ISO 국제규격 06 | |
| 007 | | A-ISO NS07 |  | ISO 국제규격 07 | |
| 008 | | A-ISO NS08 |  | ISO 국제규격 08 | |
| 009 | | A-ISO NS09 |  | ISO 국제규격 09 | |
| 010 | | A-ISO NS10 |  | ISO 국제규격 10 | |

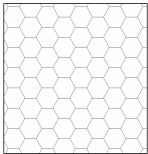
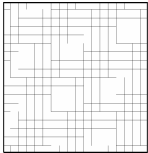
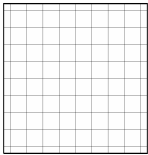
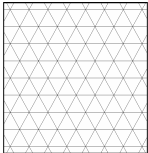
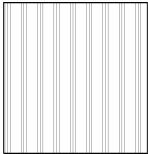
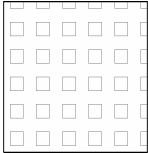
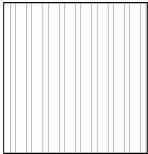
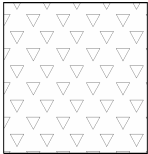
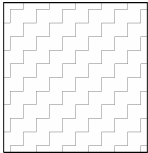
● 일반(Z) General for common

| 번호 | 공통분류 | 해칭코드 | 해칭형상 | 내 용 | 비고 |
|-----|--------|------------|------|---------------|---------------|
| 011 | | A-ISO NS11 | | ISO 국제규격 11 | |
| 012 | | A-ISO NS12 | | ISO 국제규격 12 | |
| 013 | | A-ISO NS13 | | ISO 국제규격 13 | |
| 014 | | A-ISO NS14 | | ISO 국제규격 14 | |
| 015 | | A-ISO NS15 | | ISO 국제규격 15 | |
| 016 | ANSI패턴 | C-LINE S01 | | 단일 수직선 | ANSI31 45도 |
| 017 | | C-LINE M01 | | 2중 수직선(일반) | ANSI32 45도 |
| 018 | | D-DASH L01 | | 수직선 파선 반복(일반) | ANSI33 45도 |
| 019 | | C-LINE M03 | | 3중 수직선(일반) | ANSI34 45도 |
| 020 | | C-LNDOT 01 | | 수직선 점선(일반) | ANSI35 45도 |

● 일반(Z) General for common

| 번호 | 공통분류 | 해칭코드 | 해칭형상 | 내 용 | 비고 |
|-----|------|-----------|---|----------------------|---------------|
| 021 | | C-LNDOT02 |  | 수직선/수직 점선 반복 (일반) | ANSI36 45도 |
| 022 | | C-NETSQ01 |  | 실선 사각교차(일반) | ANSI37 |
| 023 | | E-SLASH04 |  | 사선 파선 엇갈림교차 | ANSI38 |
| 024 | 상용패턴 | N-BLOCK01 |  | 블록(일반) | |
| 025 | | D-DASHL04 |  | 3수직선 파선 반복(조밀) | |
| 026 | | M-CROSS01 |  | 십자무늬 | |
| 027 | | C-DASHS02 |  | 파선 수직선(엇갈림) | |
| 028 | | M-DOTGD01 |  | 점 그리드 배치 | |
| 029 | | M-EARTH01 |  | 지반무늬 | |
| 030 | | C-GRIDS02 |  | 실선 교차(그레이팅) | |

● 일반(Z) General for common

| 번호 | 공통분류 | 해칭코드 | 해칭형상 | 내 용 | 비고 |
|-----|------|-----------|---|--------------|----|
| 031 | | N-BLOCK02 |  | 6각형 블록(엇갈림) | |
| 032 | | X-HOUND01 |  | 하운드 무늬 | |
| 033 | | C-GRIDS01 |  | 실선 교차(일반) | |
| 034 | | C-NETDA02 |  | 실선 마름모교차(횡선) | |
| 035 | | C-LINEM04 |  | 3중 수직선(조밀) | |
| 036 | | N-SQUAR01 |  | 네모 무늬(일반) | |
| 037 | | C-LINEM02 |  | 2중 수직선(조밀) | |
| 038 | | N-TRIAG01 |  | 역삼각형(엇갈림) | |
| 039 | | B-ZIGZG01 |  | 사각 지그재그(일반) | |

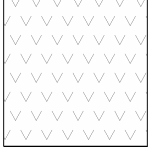
● 측량 및 지질(V) Survey & Geological

| 번호 | 공통분류 | 해칭코드 | 해칭형상 | 내 용 | 비고 |
|----|--------|------|------|-----|----|
| | 적용대상없음 | | | | |


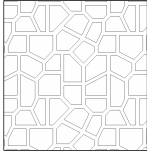
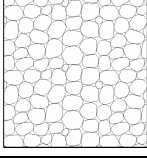
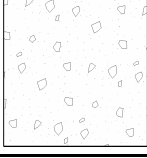
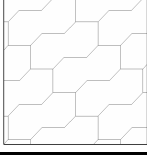
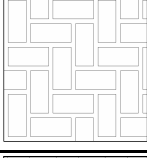
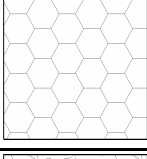
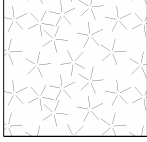
● 기하구조(A) Alignments

| 번호 | 공통분류 | 해칭코드 | 해칭형상 | 내 용 | 비고 |
|----|--------|------|------|-----|----|
| | 적용대상없음 | | | | |

● 토공(E) Earthworks

| 번호 | 공통분류 | 해칭코드 | 해칭형상 | 내 용 | 비고 |
|----|------|-----------|--|--------|----|
| 1 | 사면보호 | C-NETSQ01 |  | 사면보호블록 | |
| 2 | | N-BLOCK03 |  | 사면보강블록 | |
| 3 | 절성토 | E-GEOTL02 |  | 성토부 | |
| 4 | | E-GEOCK01 |  | 절토부 | |

● 토목시설(F) Facilities

| 번호 | 공통분류 | 해칭코드 | 해칭형상 | 내 용 | 비고 |
|----|------|-----------|---|--------|----|
| 1 | 건물 | M-DOTGD01 |  | 건물 | |
| 2 | 포장 | N-FSTON01 |  | 판석포장 | |
| 3 | | N-GRAVL02 |  | 자갈포장 | |
| 4 | | N-CONCP01 |  | 콘크리트포장 | |
| 5 | | N-BLOCK04 |  | 블록포장1 | |
| 6 | | N-BRICK05 |  | 블록포장2 | |
| 7 | | N-BLOCK02 |  | 블록포장3 | |
| 8 | 기타구역 | M-GREEN01 |  | 조경구역 | |

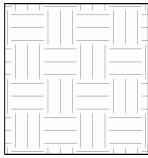

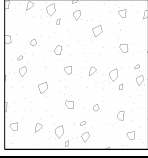
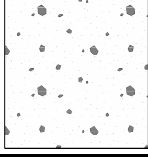
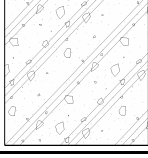
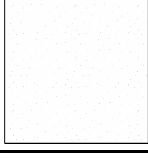
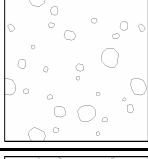
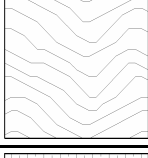
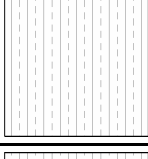

● 우배수공(D) Storm Drainage system

| 번호 | 공통분류 | 해칭코드 | 해칭형상 | 내 용 | 비고 |
|----|--------|------|------|-----|----|
| | 적용대상없음 | | | | |

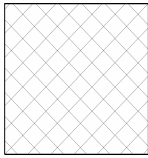
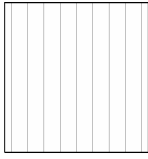
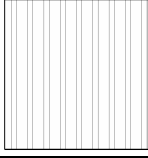
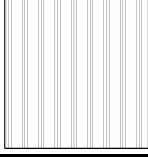
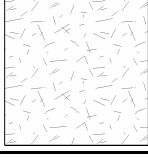
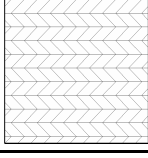
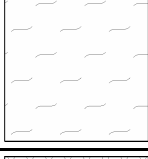
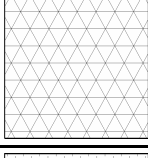
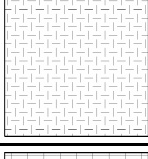
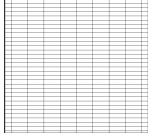
● 상하수도공(W) Water & sanitary sewer system

| 번호 | 공통분류 | 해칭코드 | 해칭형상 | 내 용 | 비고 |
|----|--------|------|------|-----|----|
| | 적용대상없음 | | | | |

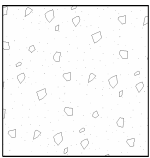
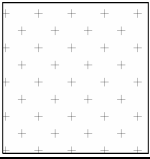
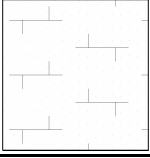
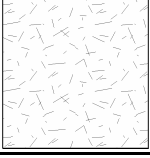
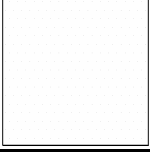
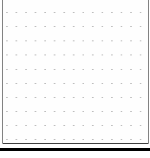
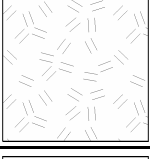
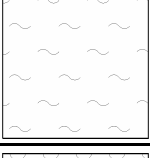
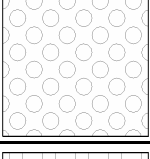
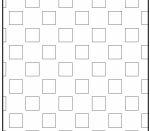
● 구조물공(S) Structural for details

| 번호 | 공통분류 | 해칭코드 | 해칭형상 | 내 용 | 비고 |
|----|------|-----------|---|------------|-----|
| 1 | 재질 | M-EARTH01 |  | 지반(GROUND) | |
| 2 | | N-SANDS01 |  | 시멘트, 몰탈 | |
| 3 | | N-CONCP01 |  | 콘크리트 | |
| 4 | | N-SANDG02 |  | 숯크리트 | |
| 5 | | N-CONCR01 |  | 철근콘크리트 | |
| 6 | | N-SANDS01 |  | 모래 | |
| 7 | | N-GRAVL01 |  | 자갈 | |
| 8 | | X-WOODG01 |  | 목재 | |
| 9 | | D-DASHL02 |  | 석재 | 45도 |
| 10 | | D-DASHL03 |  | 인조석 | 45도 |

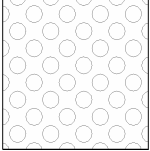


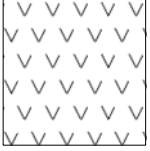
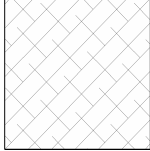
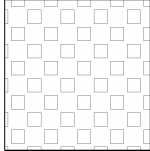
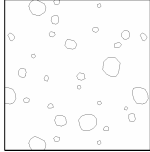
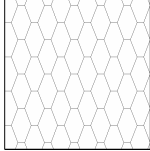
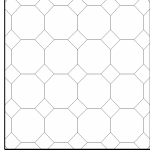
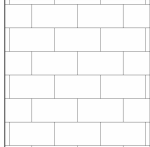
● 구조물공(S) Structural for details

| 번호 | 공통분류 | 해칭코드 | 해칭형상 | 내 용 | 비고 |
|----|------|-----------|---|---------------------|-----|
| 11 | | C-NETSQ01 |  | 블록 | |
| 12 | | C-LINES01 |  | 벽돌 | 45도 |
| 13 | | C-LINEM02 |  | 강(STEEL) | 45도 |
| 14 | | C-LINEM04 |  | 플라스틱 | 45도 |
| 15 | | E-GEORM01 |  | 석고(GYPSUM) | |
| 16 | | B-ZIGZG04 |  | 합판(PLYWOOD) | |
| 17 | | E-GEOTL01 |  | 고무 | |
| 18 | | C-NETDA02 |  | 철망 | |
| 19 | | F-CHECK01 |  | 무늬강판(CHECKED PLATE) | |
| 20 | | C-GRIDS02 |  | 스틸그레이팅 | |

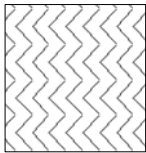
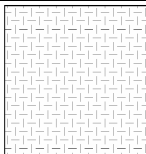
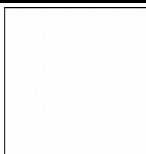
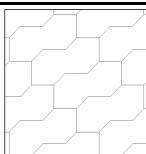
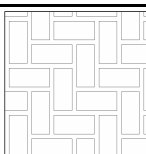
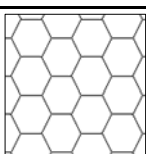
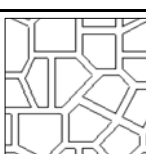
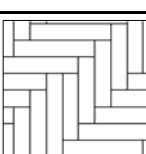
● 포장공(P) Pavement

| 번호 | 공통분류 | 해칭코드 | 해칭형상 | 내 용 | 비고 |
|----|------|-----------|---|-------------------|----|
| 1 | 본포장 | N-CONCP01 |  | 콘크리트 포장 | |
| 2 | | M-CROSS01 |  | 아스팔트 포장 | |
| 3 | | N-SANDD01 |  | 간이포장 | |
| 4 | | E-GEORM01 |  | 비포장 | |
| 5 | 보조포장 | M-DOTGD01 |  | 길어깨 포장 | |
| 6 | | A-ISONSO7 |  | 교면 포장(아스콘) | |
| 7 | | M-GREEN02 |  | 교면(LMC) 포장 | |
| 8 | | E-GEOTL02 |  | 터널내 포장 | |
| 9 | 보강포장 | N-CIRCL03 |  | 암거접속부 보강포장(접속슬래브) | |
| 10 | | N-SQUAR02 |  | 교량접속부 보강포장(접속슬래브) | |

● 포장공(P) Pavement

| 번호 | 공통분류 | 해칭코드 | 해칭형상 | 내 용 | 비고 |
|----|------|-----------|---|--------------|----|
| 11 | | N-CIRCL03 |  | 절성경계부 보강포장 | |
| 12 | | N-TRIAG01 |  | 아스콘접속부 보강포장 | |
| 13 | | N-TRIAG02 |  | 길어깨보강부 보강포장 | |
| 14 | | E-GEOCK01 |  | 기타 보조 및 보강포장 | |
| 15 | 특수포장 | E-SLASH04 |  | 구스 포장 | |
| 16 | | N-SQUAR02 |  | SMA 포장 | |
| 17 | | N-GRAVL01 |  | 배수(투수) 포장 | |
| 18 | | C-NETWR01 |  | LMC 포장 | |
| 19 | | N-BLOCK03 |  | CRM 포장 | |
| 20 | | N-BLOCK01 |  | ILB 포장 | |

● 포장공(P) Pavement

| 번호 | 공통분류 | 해칭코드 | 해칭형상 | 내 용 | 비고 |
|----|------|-----------|---|----------|----|
| 21 | | B-ZIGZG03 |  | 기타특수포장 | |
| 22 | | F-CHECK01 |  | 미끄럼방지 포장 | |
| 23 | 기타포장 | M-DOTRM01 |  | 인력포설 | |
| 24 | | N-BLOCK04 |  | 블록포장1 | |
| 25 | | N-BRICK05 |  | 블록포장2 | |
| 26 | | N-BLOCK02 |  | 블록포장3 | |
| 27 | | N-FSTON01 |  | 판석포장 | |
| 28 | | N-TILES03 |  | 기타포장 | |

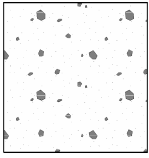
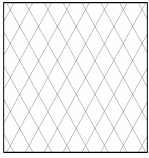
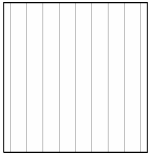
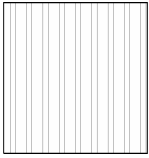
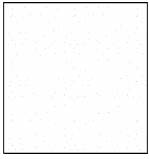
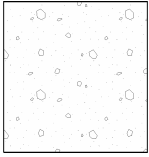
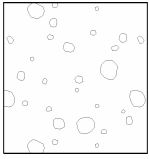
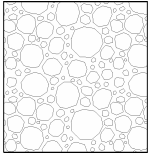
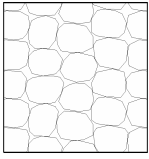
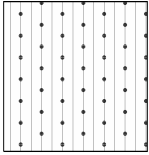
● 부대공(M) Miscellany

| 번호 | 공통분류 | 해칭코드 | 해칭형상 | 내 용 | 비고 |
|----|--------|-----------|---|--------|----|
| 1 | 도로안전시설 | C-NETSQ01 |  | 낙석방지망 | |
| 2 | 교통처리 | M-CROSS01 |  | 공사구간 | |
| 3 | | M-DOTGD01 |  | 교통처리구간 | |
| 4 | | E-GEOCK01 |  | 가포장 | |
| 5 | | N-CIRCL03 |  | 가도 | |
| 6 | | N-TRIAG02 |  | 포장철거 | |

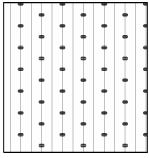
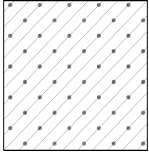
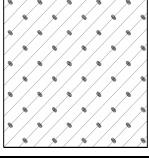
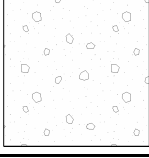
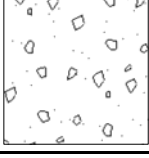
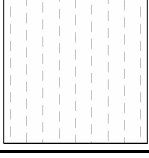
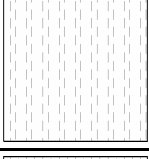
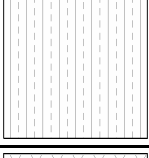
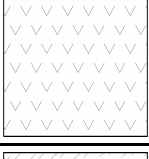

● 용지공(L) Cadastral

| 번호 | 공통분류 | 해칭코드 | 해칭형상 | 내 용 | 비고 |
|----|--------|------|------|-----|----|
| | 적용대상없음 | | | | |

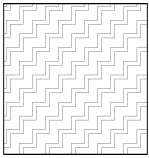
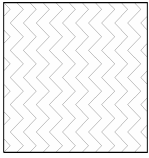
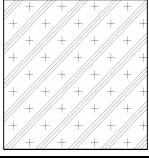
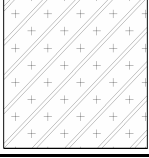
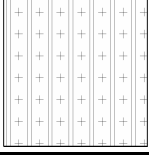
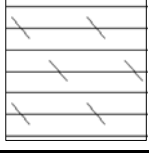
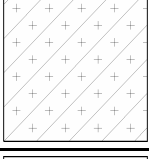
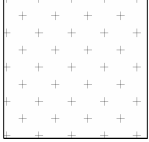
● 종단면도(R) Profiles

| 번호 | 공통분류 | 해칭코드 | 해칭형상 | 내 용 | 비고 |
|----|----------|-----------|---|--------|----|
| 1 | 지질(토질)주상 | N-SANDG02 |  | 이탄토 | |
| 2 | | C-NETDA01 |  | 붕적토 | |
| 3 | | C-LINES01 |  | 실트 | |
| 4 | | C-LINEM02 |  | 점토 | |
| 5 | | N-SANDS01 |  | 모래/몰탈 | |
| 6 | | N-SANDG01 |  | 몰탈 | |
| 7 | | N-GRAVL01 |  | 자갈 | |
| 8 | | N-GRAVL03 |  | 호박돌 | |
| 9 | | N-STONE01 |  | 전석 | |
| 10 | | E-GEOCD02 |  | 실트질 모래 | |

● 종단면도(R) Profiles

| 번호 | 공통분류 | 해칭코드 | 해칭형상 | 내 용 | 비고 |
|----|------|-----------|---|--------|----|
| 11 | | E-GEOED02 |  | 실트질 자갈 | |
| 12 | | E-GEOCD03 |  | 점토질 모래 | |
| 13 | | E-GEOED03 |  | 점토질 자갈 | |
| 14 | | N-SANDG03 |  | 자갈질 모래 | |
| 15 | | N-CONCP01 |  | 콘크리트 | |
| 16 | | C-DASHS02 |  | 표토 | |
| 17 | | C-DASHM02 |  | 퇴적토 | |
| 18 | | D-DASHL02 |  | 매립토 | |
| 19 | | E-GEOCK01 |  | 사질토 | |
| 20 | | N-SANDM01 |  | 풍화토 | |


● 종단면도(R) Profiles

| 번호 | 공통분류 | 해칭코드 | 해칭형상 | 내 용 | 비고 |
|----|------|-----------|---|-----|----|
| 21 | | B-ZIGZG02 |  | 취약암 | |
| 22 | | B-ZIGZG03 |  | 퇴적암 | |
| 23 | | M-CROSS08 |  | 풍화암 | |
| 24 | | M-CROSS06 |  | 연암 | |
| 25 | | M-CROSS05 |  | 보통암 | |
| 26 | | E-SLASH01 |  | 충적토 | |
| 27 | | M-CROSS04 |  | 경암 | |
| 28 | | M-CROSS01 |  | 극경암 | |

● 횡단면도(C) Cross sections

| 번호 | 공통분류 | 해칭코드 | 해칭형상 | 내 용 | 비고 |
|----|--------|------|------|-----|----|
| | 적용대상없음 | | | | |

● 기타(X) Others

| 번호 | 공통분류 | 해칭코드 | 해칭형상 | 내 용 | 비고 |
|----|----------|-----------|---|---------------|----|
| 1 | KEY PLAN | M-DOTGD01 |  | KEY PLAN 대상영역 | |