

GRAĐEVINSKI FAKULTET SVETOSLAVA U ZAGREBU
KABINET ZA GEOGRAFIJU

ZBIRKA KARTOGRAFSKIH ZNAKOVA

Prilog Pravilnika o kartografskim znakovima objavljen u „Narodnim novinama“,
broj 24/76 od 7. lipnja 1976.

Na temelju člana 106. Zakona o geodetskoj izmjeri i katastru zemljišta („Narodne novine“, broj 16/74), direktor Republičke geodetske uprave propisuje

**PRAVILNIK
o kartografskim znakovima**

Član 1.

Sadržaj topografsko-katastarskih planova, osnovne državne karte i topografskih karata malih mjerila iz člana 26. i člana 28. Zakona o geodetskoj izmjeri i katastru zemljišta (naselja, prometnice, reljef, vode, raslinstvo i sl.) prikazuje se pomoću kartografskih znakova sadržanih u Zbirci kartografskih znakova, koja čini sastavni dio ovoga pravilnika i koja se objavljuje kao poseban prilog „Narodnih novina“.

Član 2.

Za prikazivanje sadržaja planova i karata iz člana 1. ovoga pravilnika koji se izrađuju automatskom obradom podataka (pomoću elektronskih računala, automatskih crtača i sl.) mogu se primjenjivati i kartografski znakovi koji nisu sadržani u Zbirci kartografskih znakova, ali samo uz obvezatno objašnjenje svakoga takvog znaka na svakom listu plana odnosno karte.

Član 3.

Stupanjem na snagu ovoga pravilnika prestaju vrijediti Topografski ključ za planove u razmjerima 1:500, 1:1000, 1:2000 i 1:2500 i Kartografski ključ za osnovnu državnu kartu u razmjeru 1:5000 u dijelovima koji se odnose na kartografske znakove, koji ključevi su izdani kao posebne publikacije Savezne geodetske uprave i koji su se primjenjivali kao propis na osnovi Rješenja o primjeni Topografskog i Kartografskog ključa pri izradi geodetskih planova i karata krupnih razmjera („Službeni list FNRJ“, broj 2/56).

Član 4.

Ovaj pravilnik stupa na snagu osmoga dana nakon objave u „Narodnim novinama“.

Broj: 01-395/1-1976

Zagreb, 19. travnja 1976.

Direktor Republičke geodetske uprave:
Vladimir Mačković, dipl.inž., v.r.

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1: 500 — 1: 2000

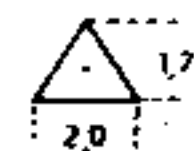
1: 5 000 — 1: 10 000

1: 20 000 — 1: 25 000

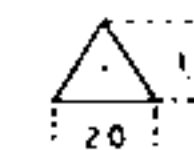
I Stalne geodetske točke i linije mjerenja

1. Trigonometrijska točka

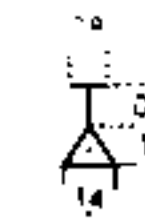
Δ 216 2.0



Δ 57 1.6

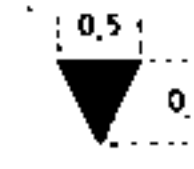
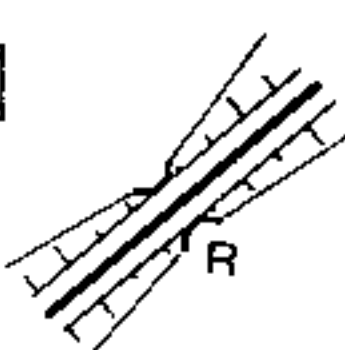
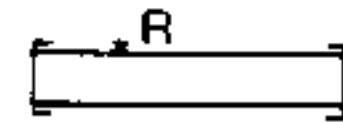
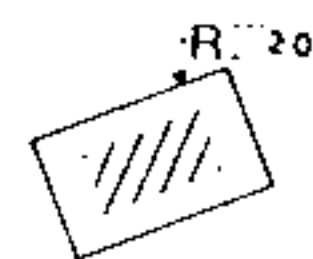


Δ Δ Δ Δ



Ad 1 Znak se ne primjenjuje za vizurnu točku «C», ako se uz nju nalazi stabilizirana točka «Z». Broj točke piše se bez podznaka «Z» ili «C».
Neidentificirana točka na fotoskici označuje se crvenim tušem.
Kada je na topografskoj karti mjerila 1:25.000 crkva, džamija i sinagoga ujedno i trigonometrijska točka, tada se prikazuje znak za trigonometrijsku točku s dodatnim znakom za vjerski objekt.

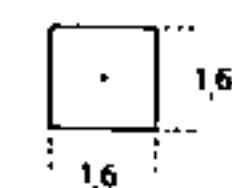
2. Reper na objektu



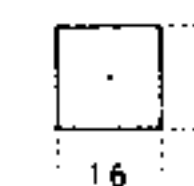
Ad 2 Ako, radi prostora, na planu ili karti nije moguće reper prikazati predviđenim znakom stavlja se samo kratica «R» približno na mjestu repera. Prikazuju se reperi nivelmana visoke točnosti, preciznog i tehničkog nivelmana.

3. Reper na zemljištu

□ R 2.0



□ R 1.6



Ad 3 Prikazuju se fundamentalni reperi, reperi nivelmana visoke točnosti, preciznog i tehničkog nivelmana.
Stalne dopunske točke su sve trajno stabilizirane orijentacione i poligonske točke bez obzira na način određivanja.

4. Stalna dopunska točka

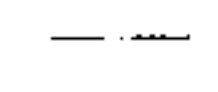
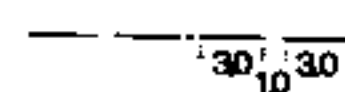


○ 92 2.0

○ 113 1.6

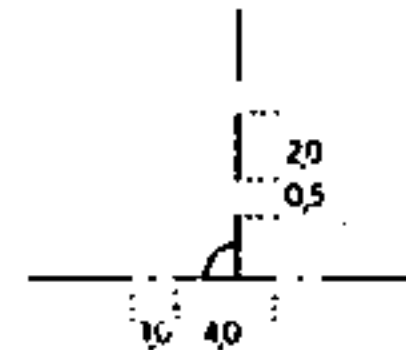
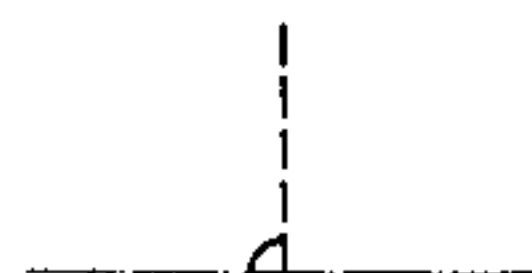
Ad 4 Iscrteni smjer na planu prikazuje mjerenu dužinu. Na skici prikazuje se i smjer dogledanja.

5. Linijska (mala) točka



○ 02

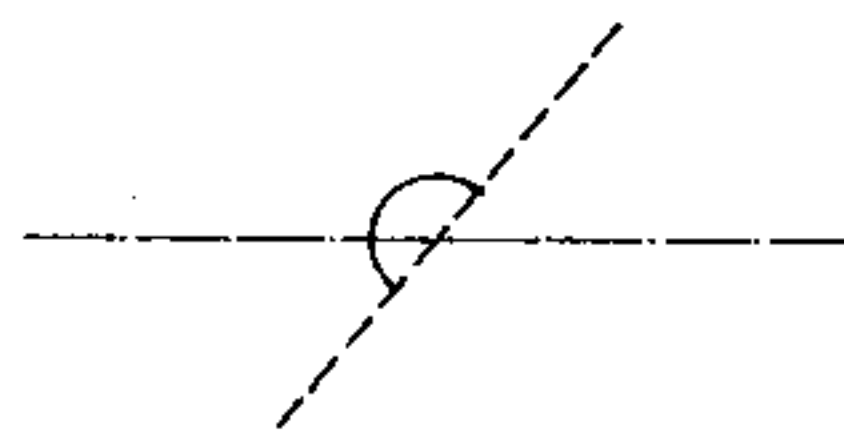
6. Okomica na liniju mjerenja



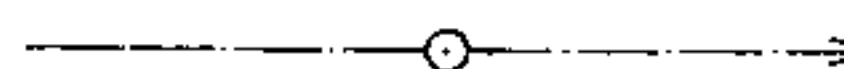
Ad 5 Na planu i karti prikazuje se samo trajno stabilizirana točka.

Ad 6–9 Crtu se samo na skicama.

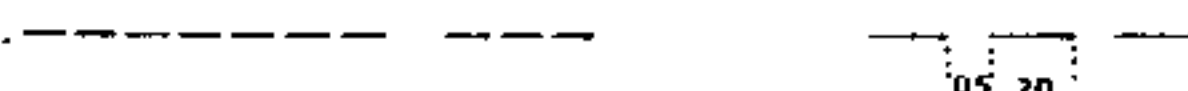
7. Presjek s linijom mjerenja



8. Produženje linije mjerenja



9. Kontrolna mjerenja

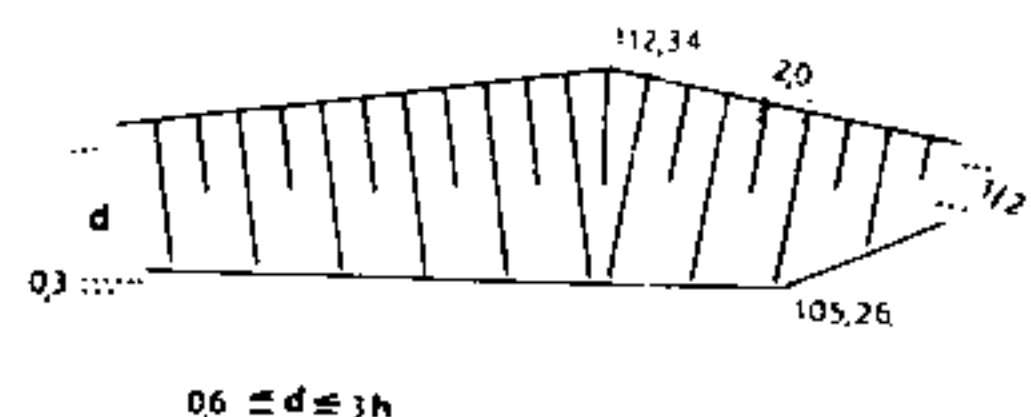


II Tlo i zemljišni oblici

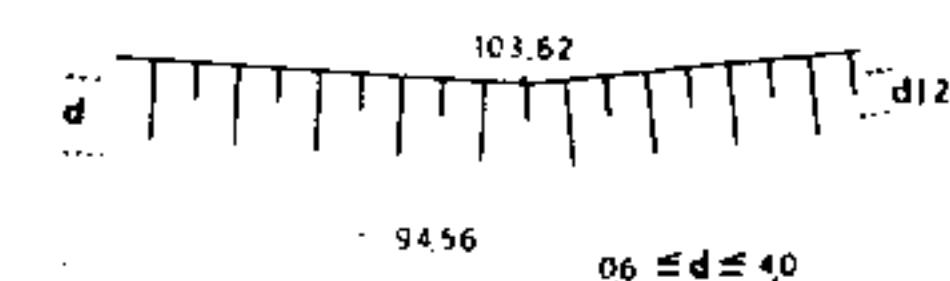
10. Prirodni pokos do 2 m visine



11. Prirodni pokos viši od 2 m



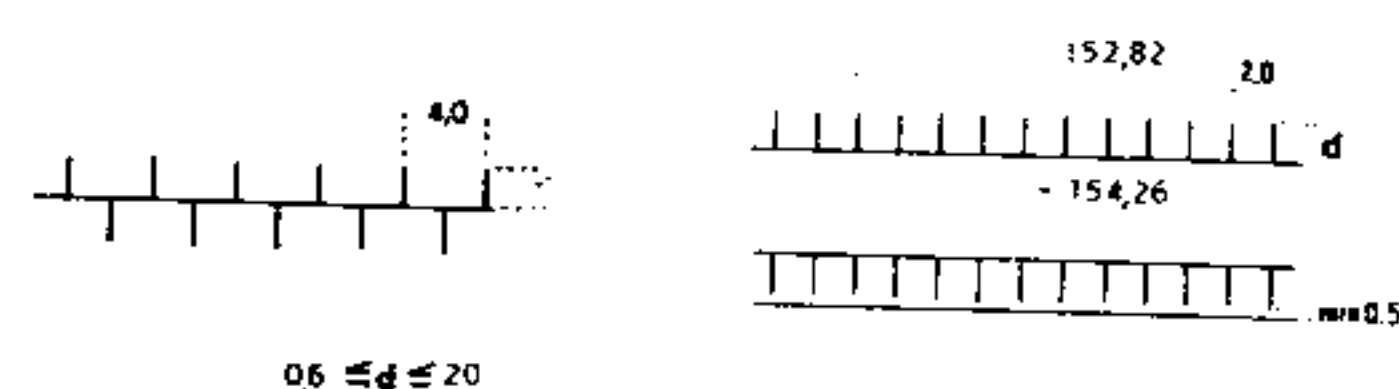
12. Prirodni pokos viši od 2 m bez donje linije



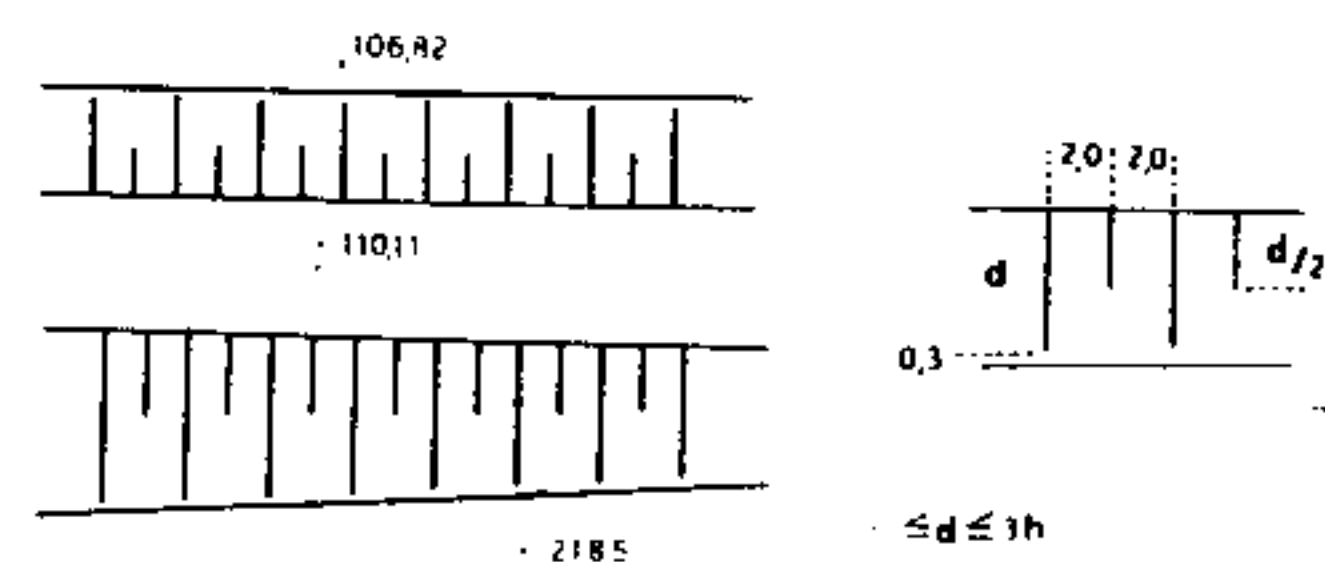
13. Okomiti i strmi prirodni pokos i obala, klisura, viši od 2 m



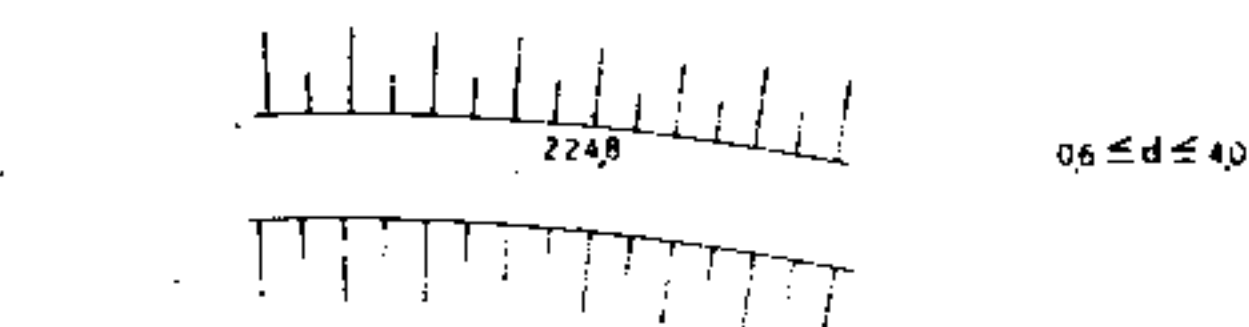
14. Nasip do 2 m visine



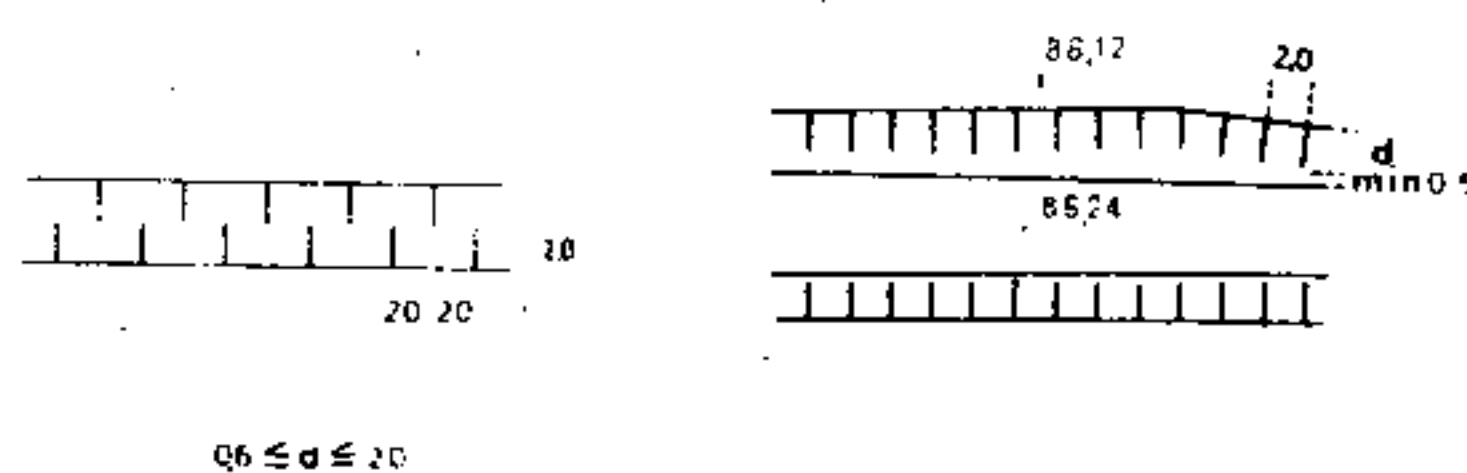
15. Nasip viši od 2 m



16. Nasip bez donje linije viši od 2 m

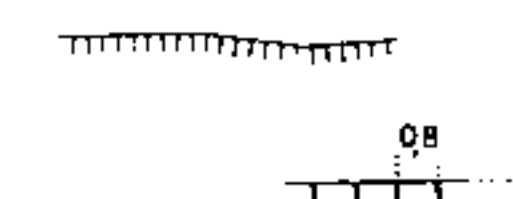
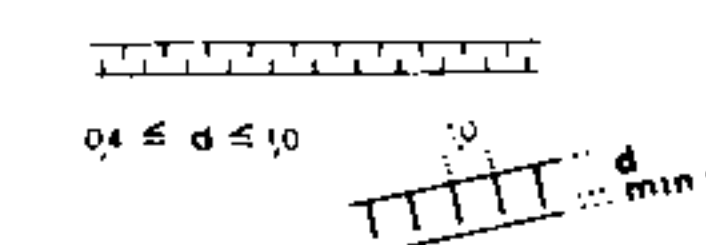
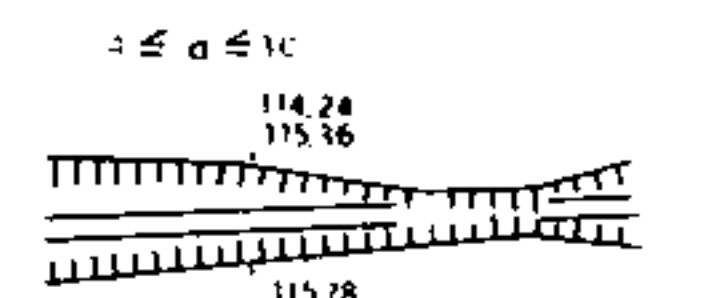
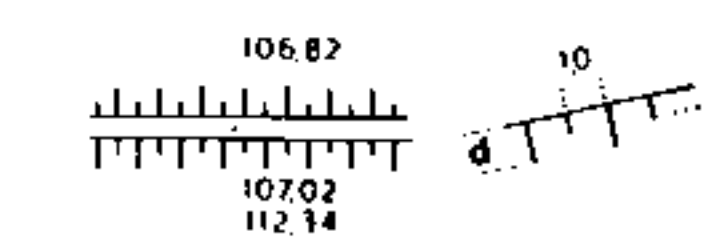
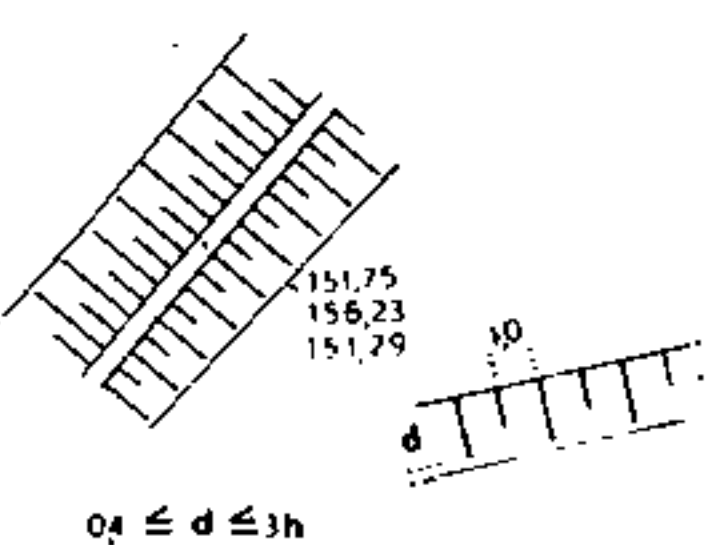
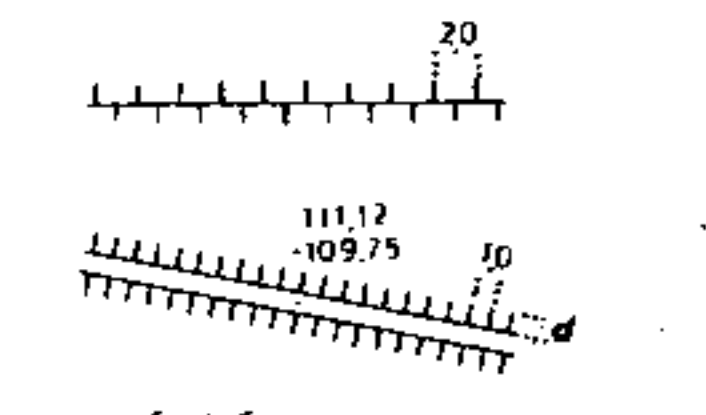
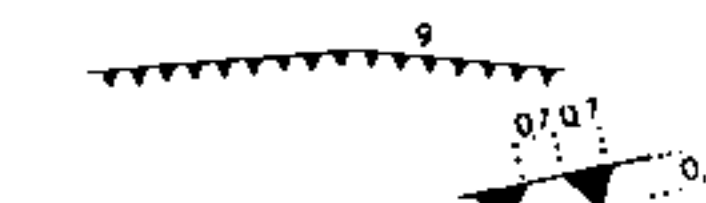
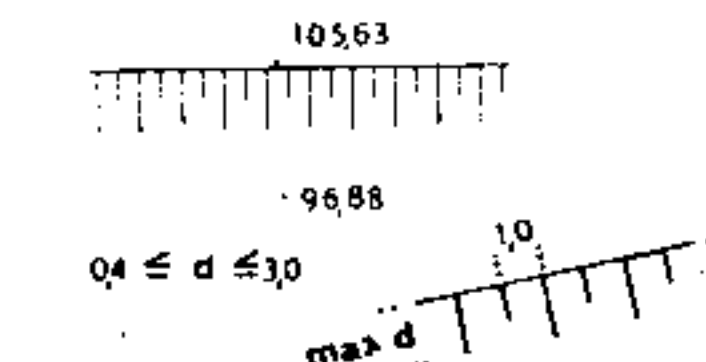
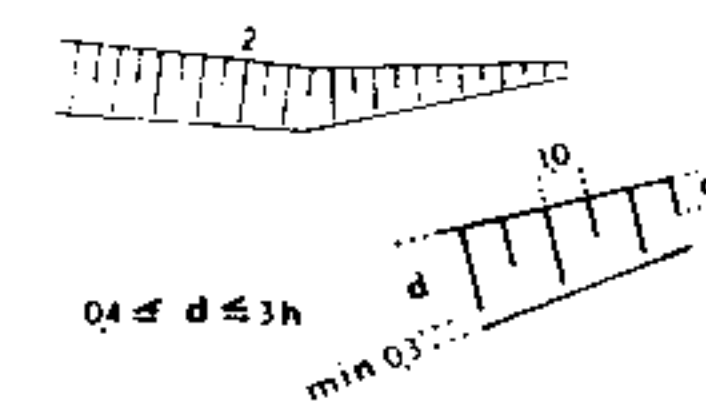
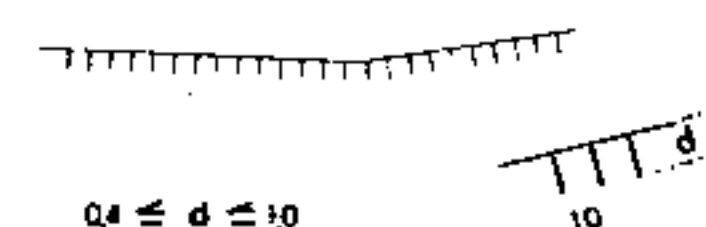


17. Usjek do 2 m visine



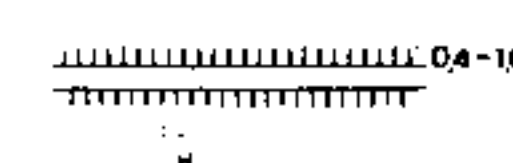
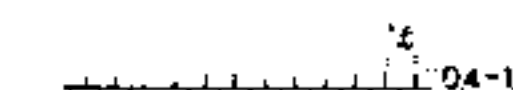
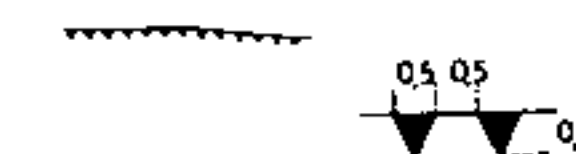
1: 5 000 — 1: 10 000

1: 20 000 — 1: 25 000



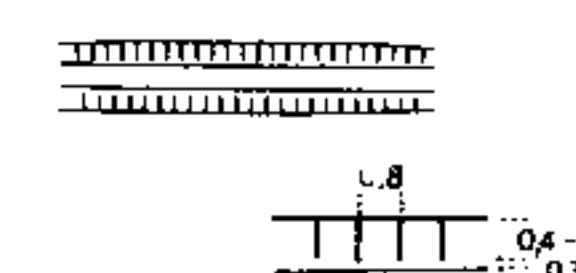
Isti znak kao 10

Isti znak kao 10



Isti znak kao 14

Isti znak kao 14



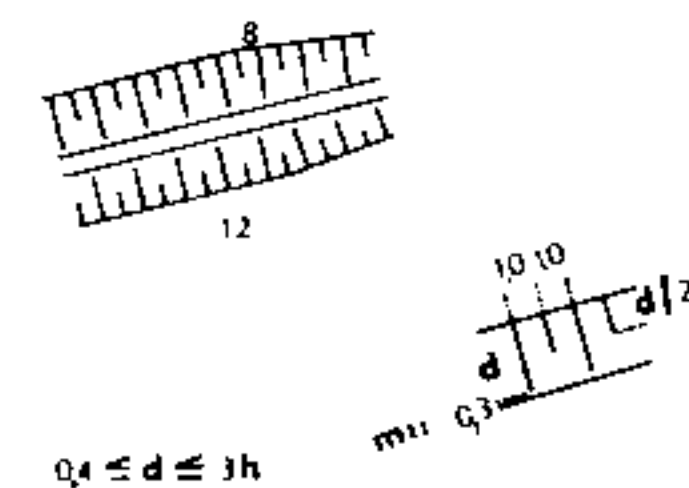
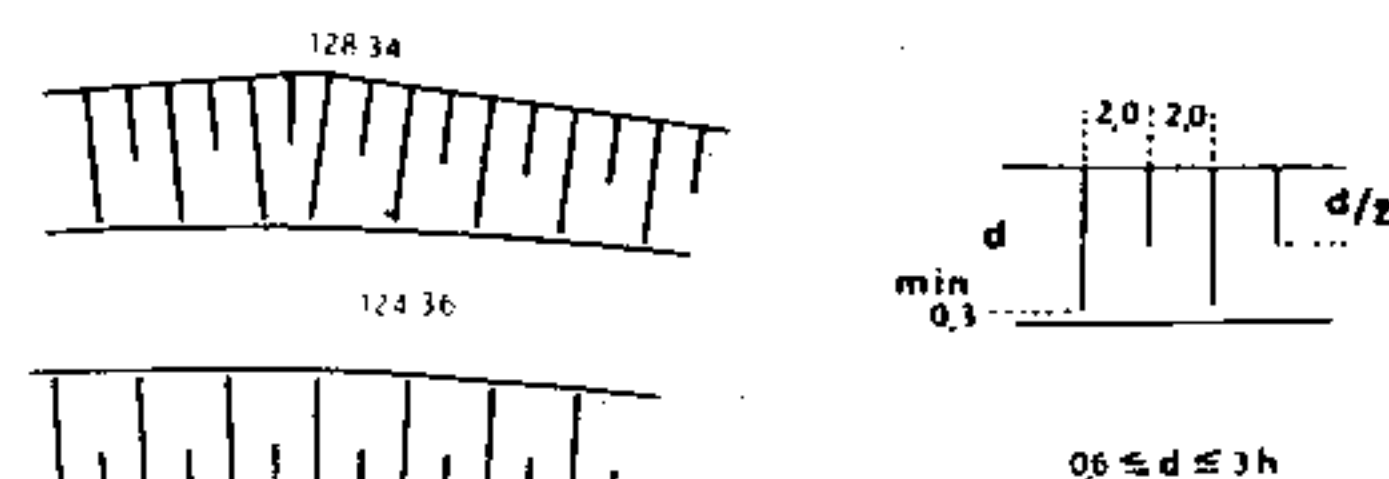
Ad 10–20 Na planu i karti mjerila 1:500 do 1:2500 znak se crta u grupama na razmaku od 2–5 cm. Ako na karti mjerila 1:5000 do 1:25000 visinska razlika predmeta nije vidljiva iz kota i slojnica, upisuje se na foliji za sepiju boju relativna visinska razlika veća od 2 metra zaokružena na metar.

1:5 — 1:2000

1:5000 — 1:10000

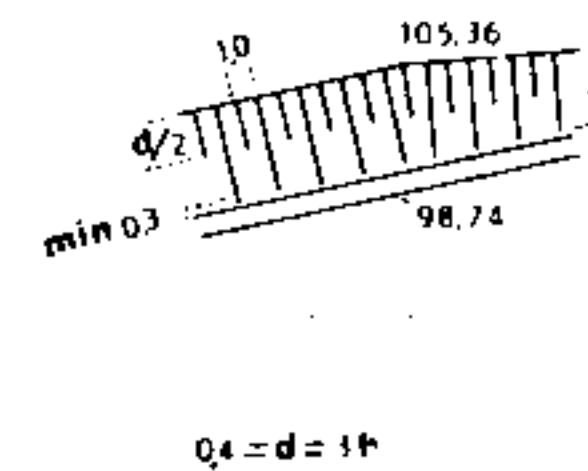
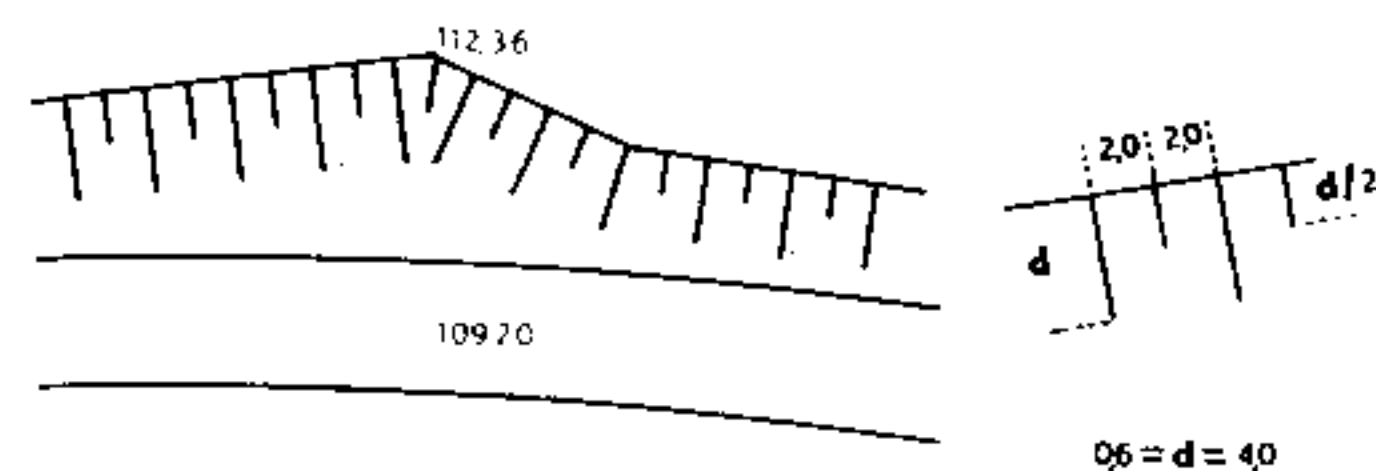
1:20000 — 1:25000

18. Usjek viši od 2 m



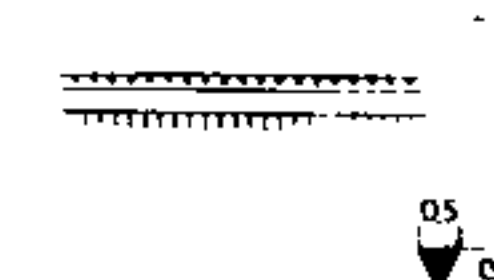
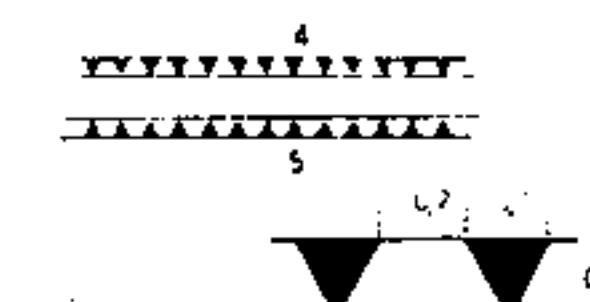
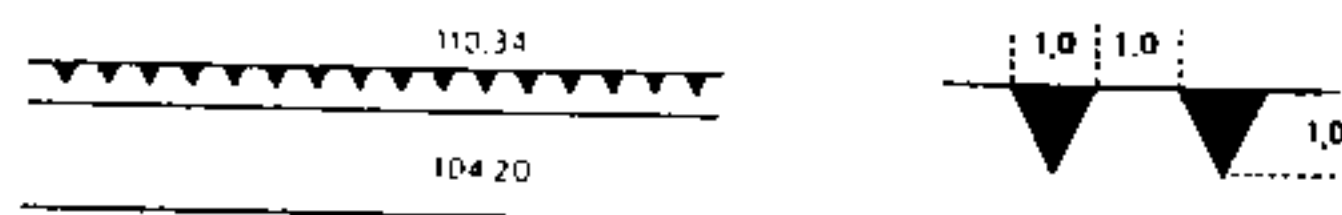
Isti znak kao 17

19. Usjek bez donje linije viši od 2 m

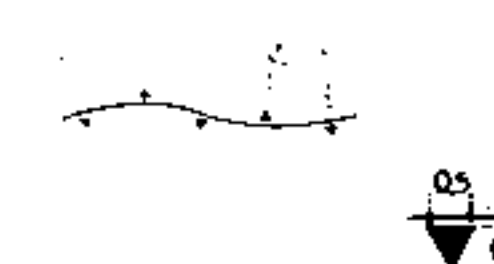
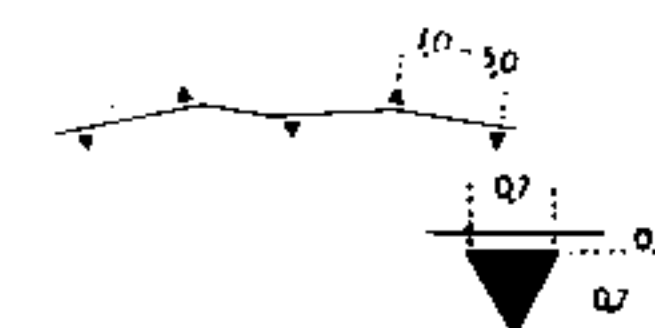


Isti znak kao 17

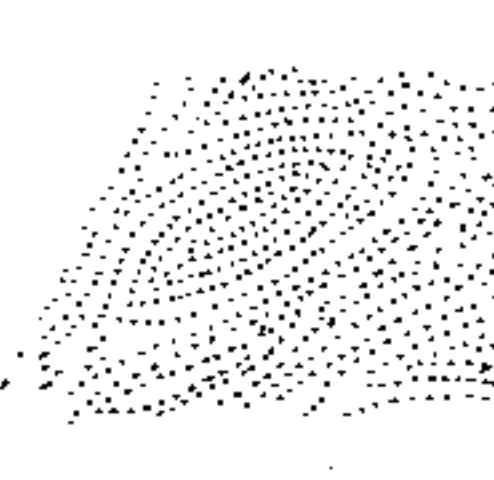
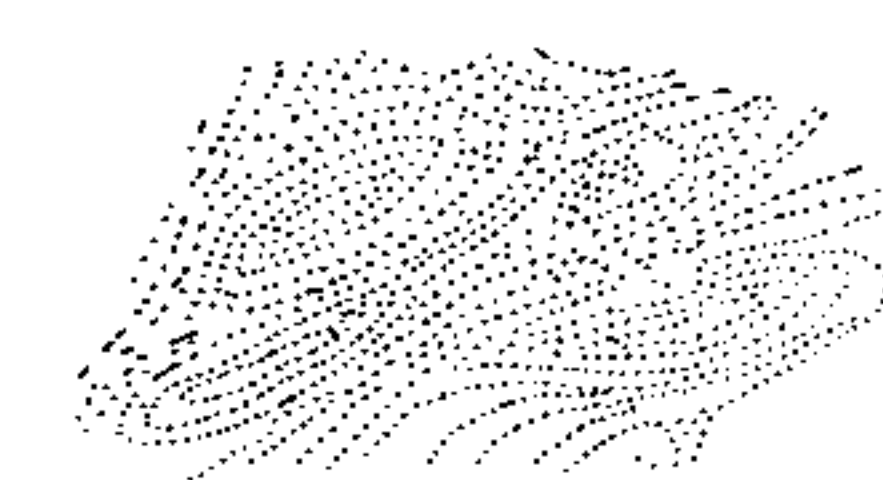
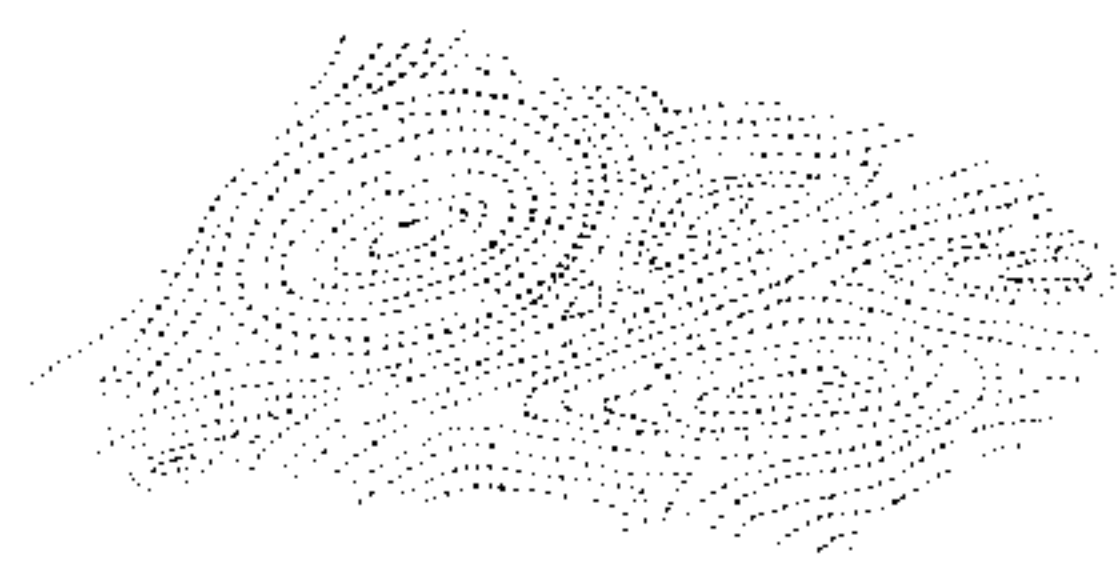
20. Okomiti i strmi usjek viši od 3 m



21. Greben, bilo

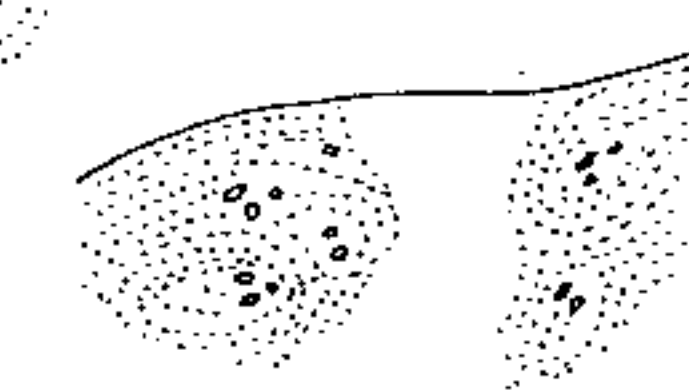
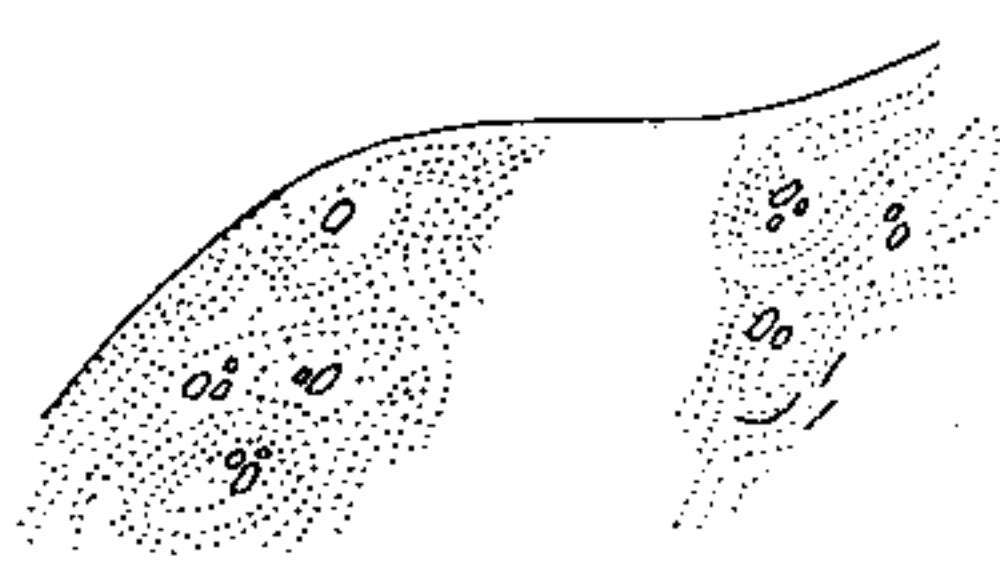
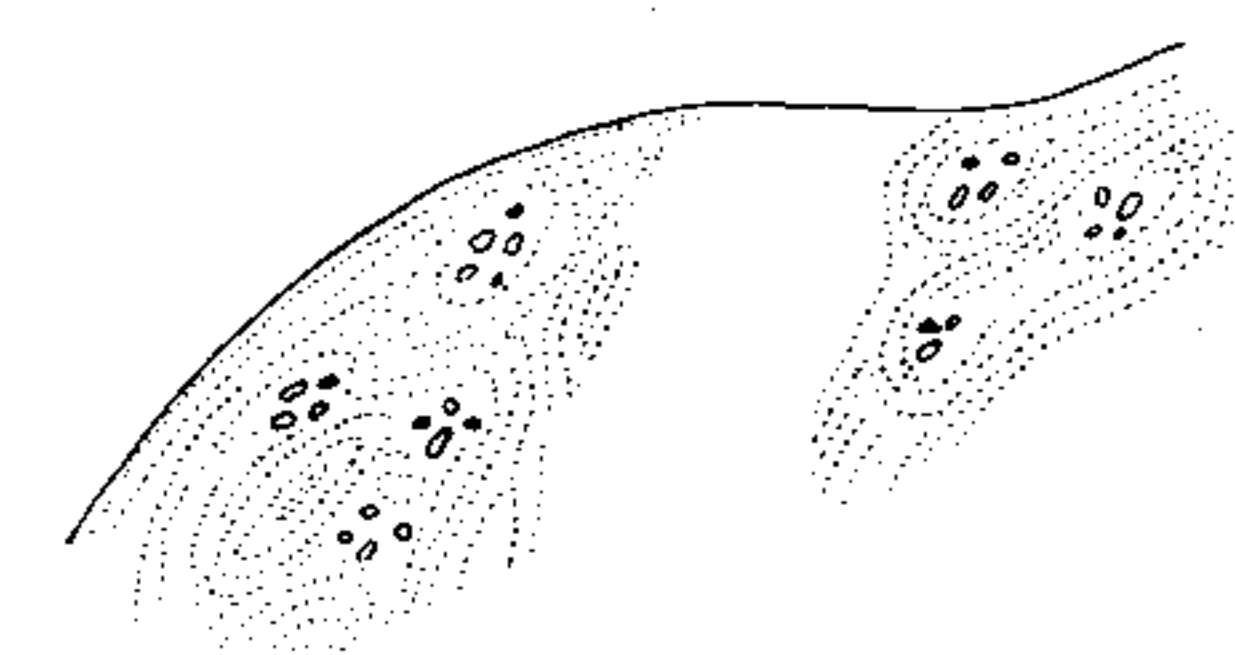


22. Pijesak



Ad 22–25 Znak se crta u grupama raspoređenim na cijelu površinu.

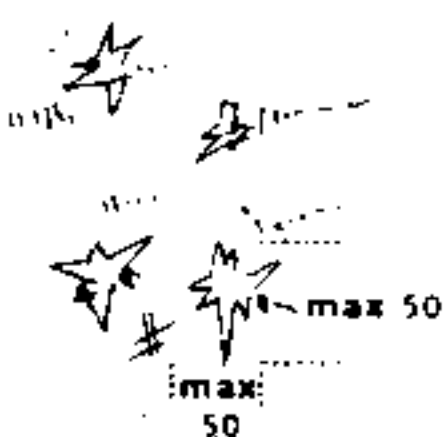
23. Šljunak



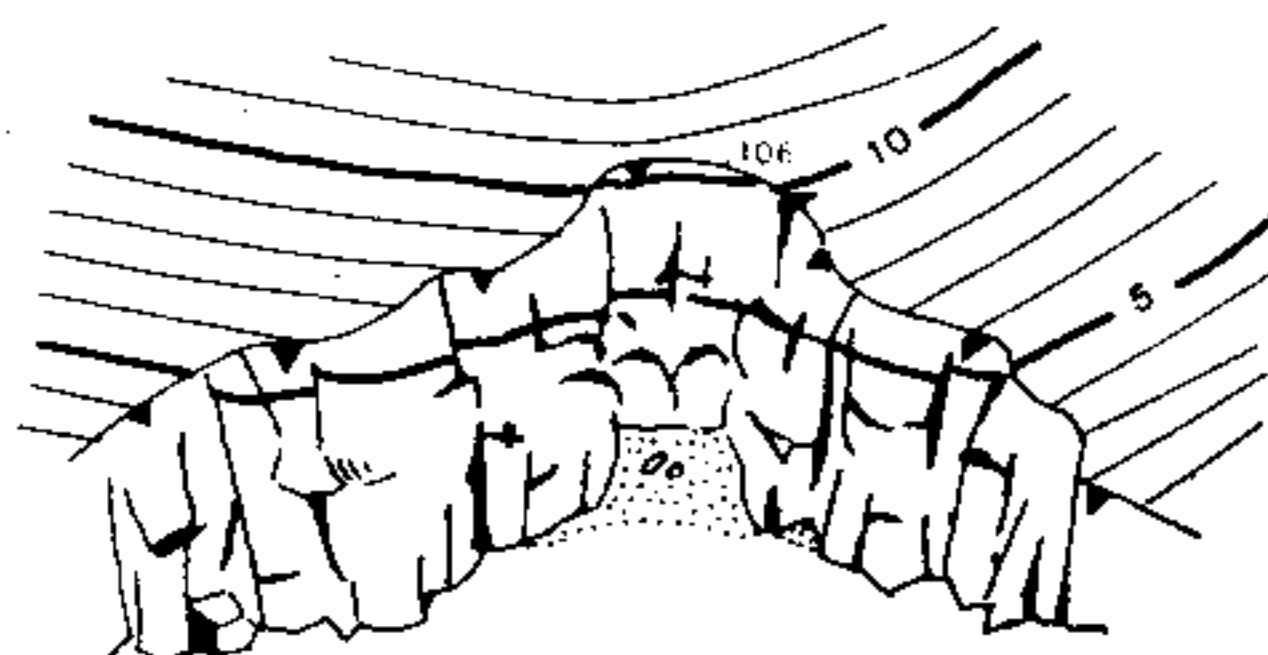
24. Kamenjar, kamenito zemljište, kamenita morska obala



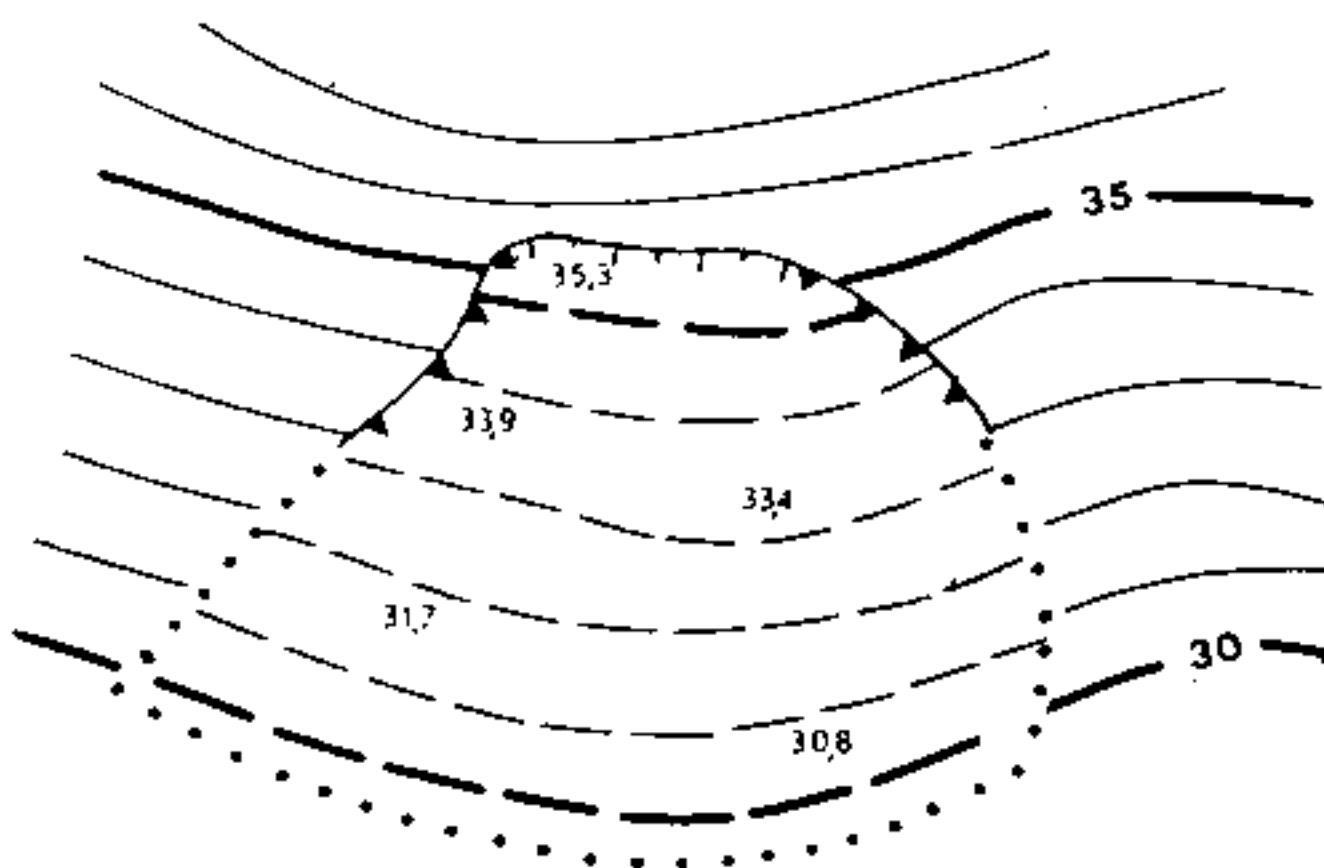
25. Škrabe, teško prohodan krš, morska obala



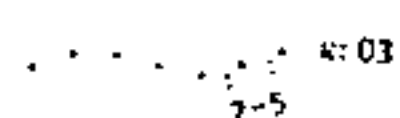
26. Strma stijena, litica



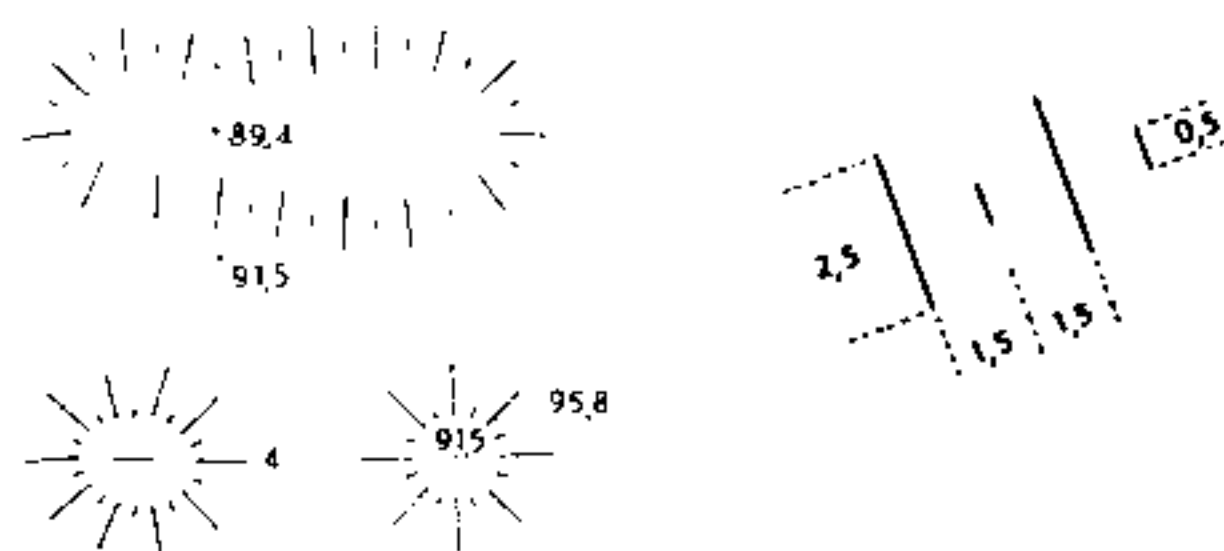
27. Klizište, odron



28. Granica područja na kojem se ne crtaju slojnice

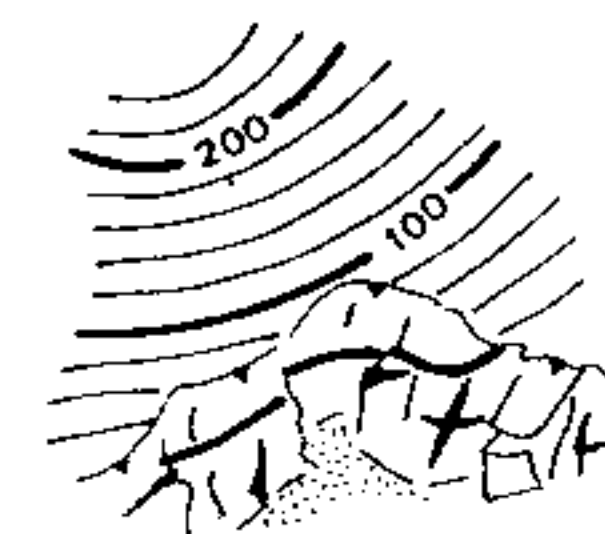
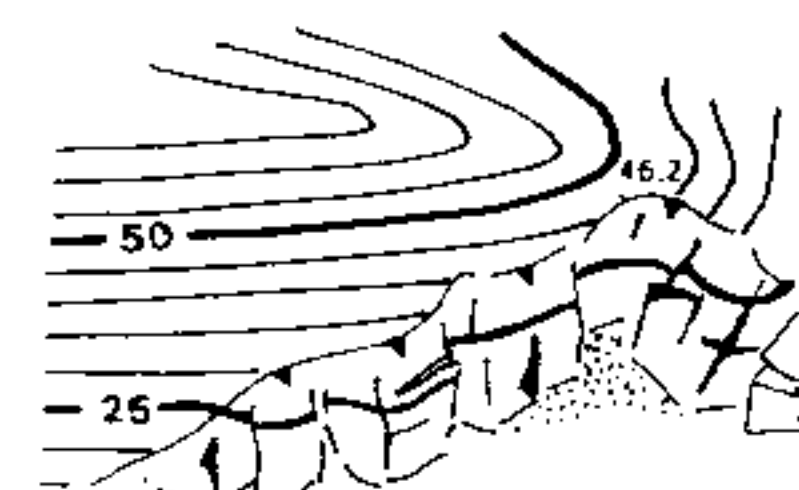
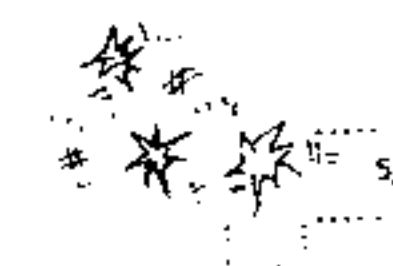
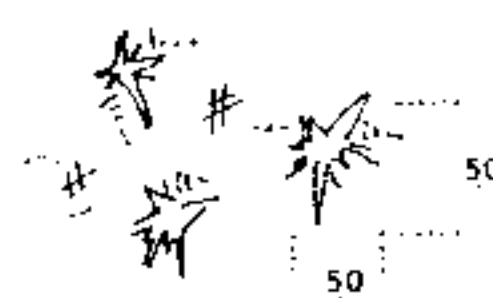
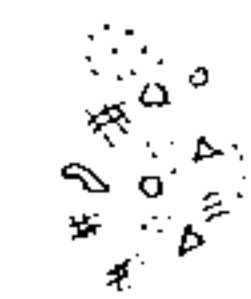


29. Udubljenje, udoljica, vrtača, prag, humka s blagim prelazom

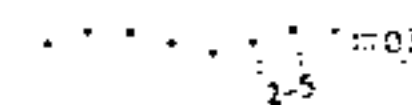
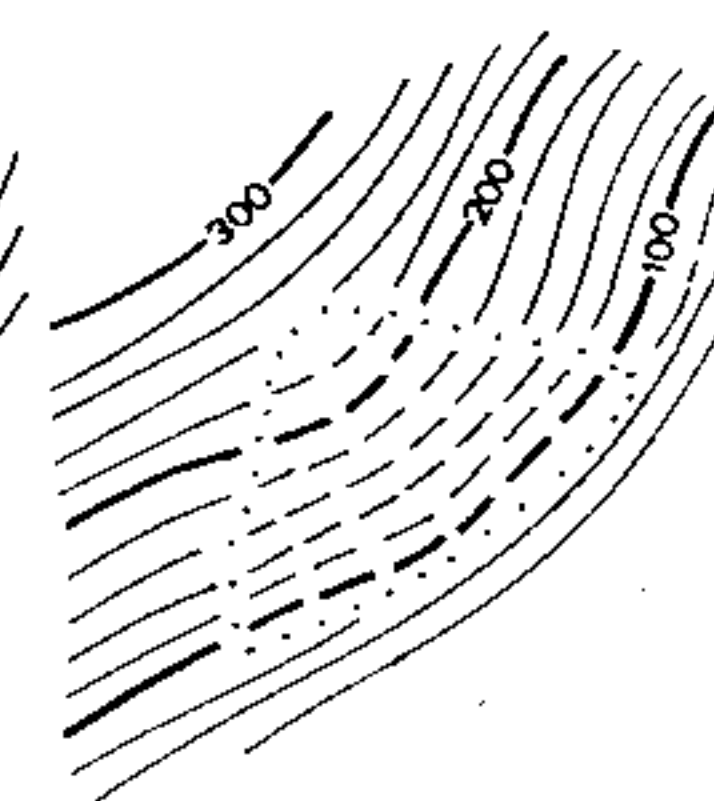
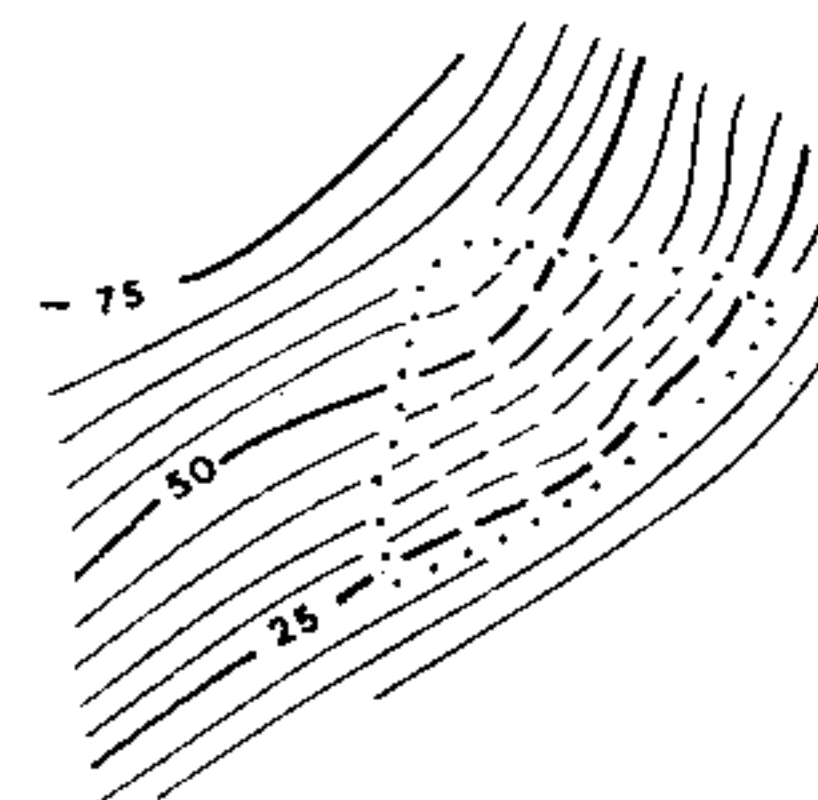


1:5 000 — 1:10 000

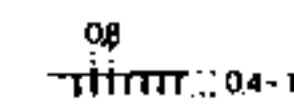
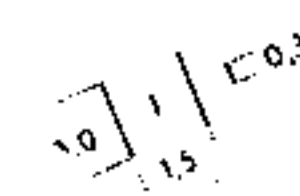
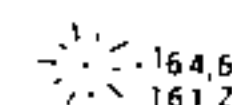
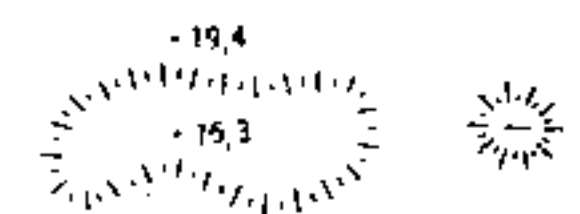
1:20 000 — 1:25 000



Ad 26 Crtež znaka mora odgovarati naravnom izgledu stijene. Preko crteža stijene crtaju se samo glavne slojnice.

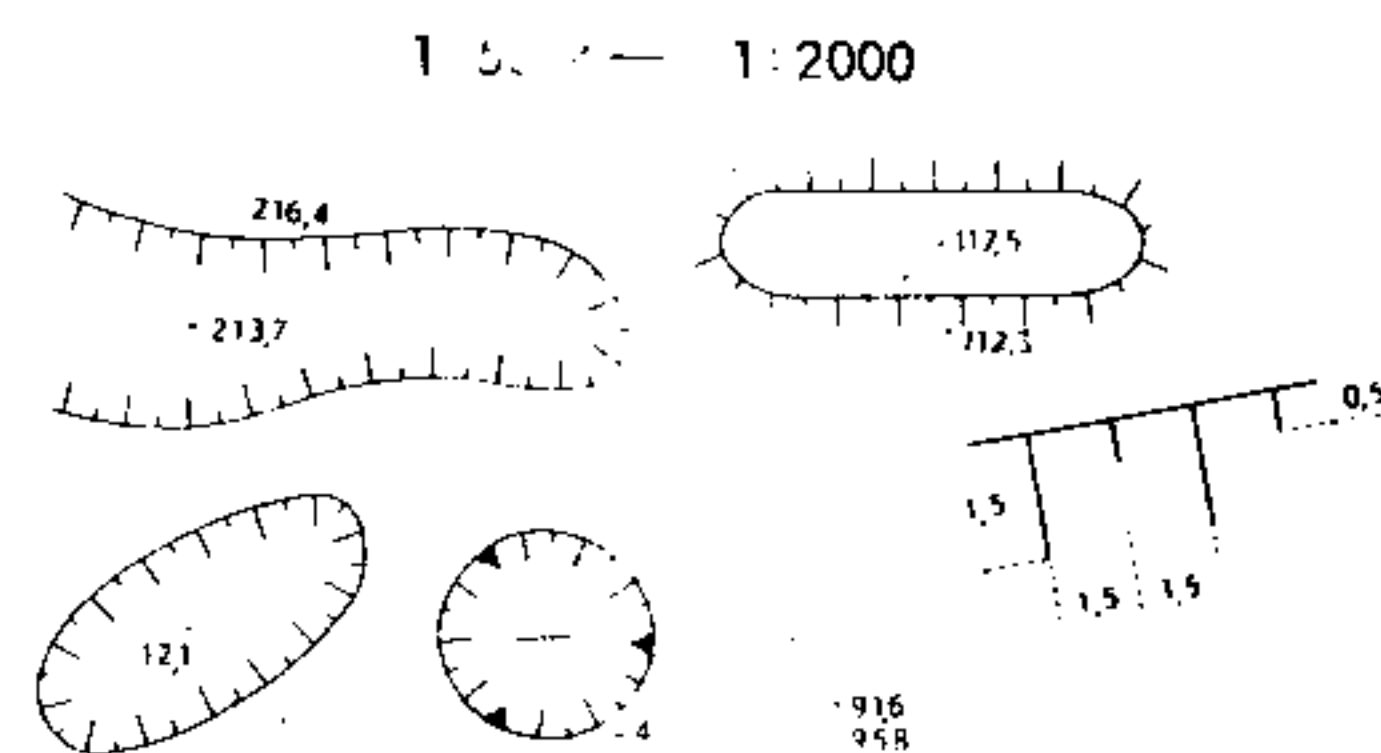


Ad 28 Znak se primjenjuje ako granica nije označena kao granica kulture.

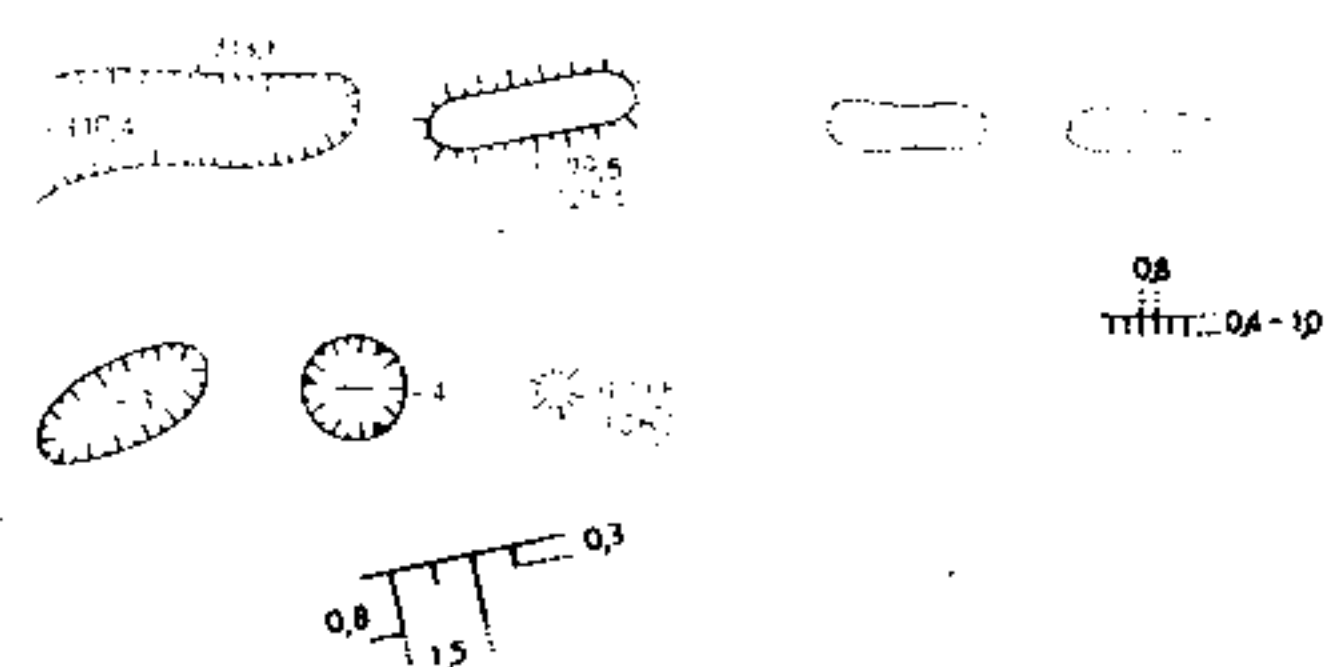


Ad 29–30 Veća vrtača, udubljenje i udoljica može se prikazati slojnicama. Ako na dnu vrtače nema nadmorske visine terena, upisuje se srednja dubina vrtače zaokružena na metar, a u vrtaču se upiše predznak —.

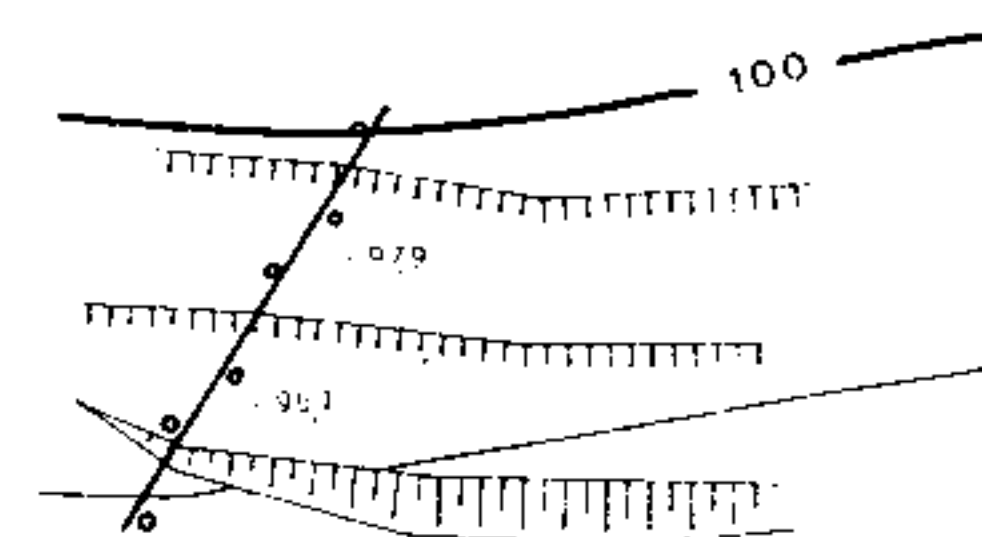
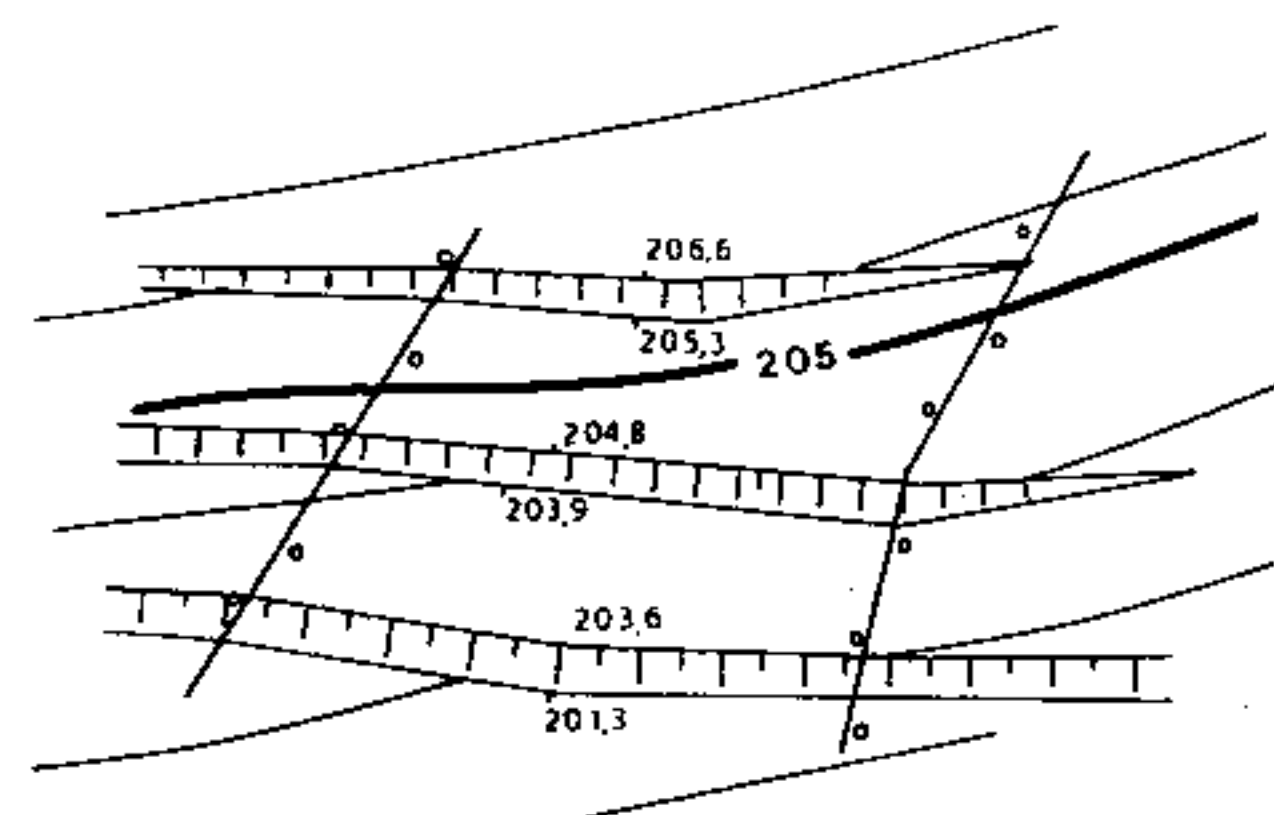
30. Udubljenje, udoljica, vrtača, prag, humka, s izrazitim rubom



1:5000 — 1:10000 1:20000 — 1:25000

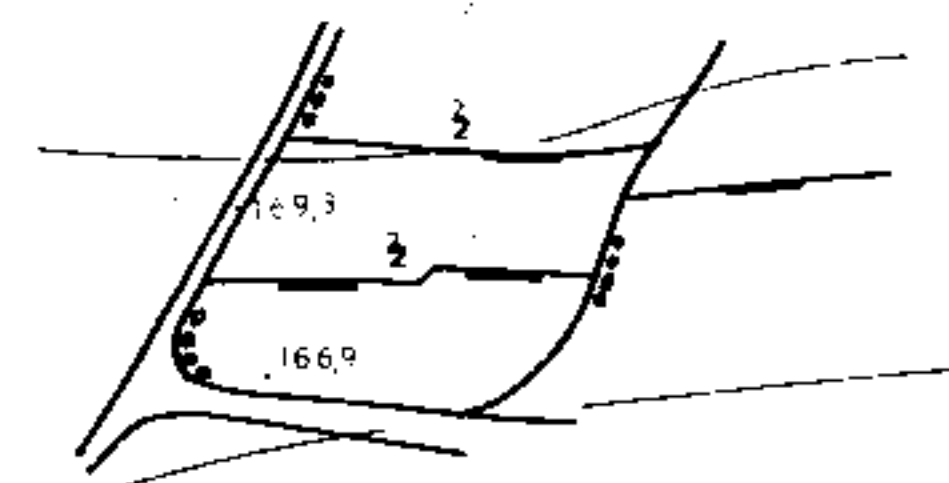
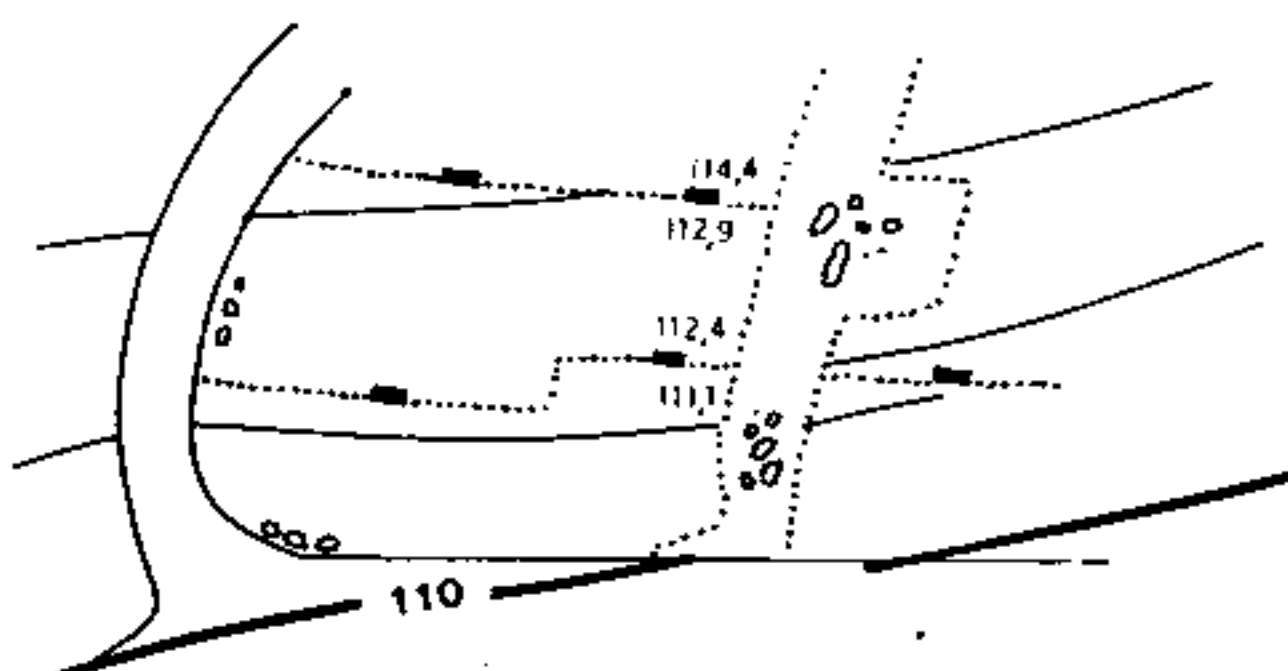


31. Terasasto zemljište

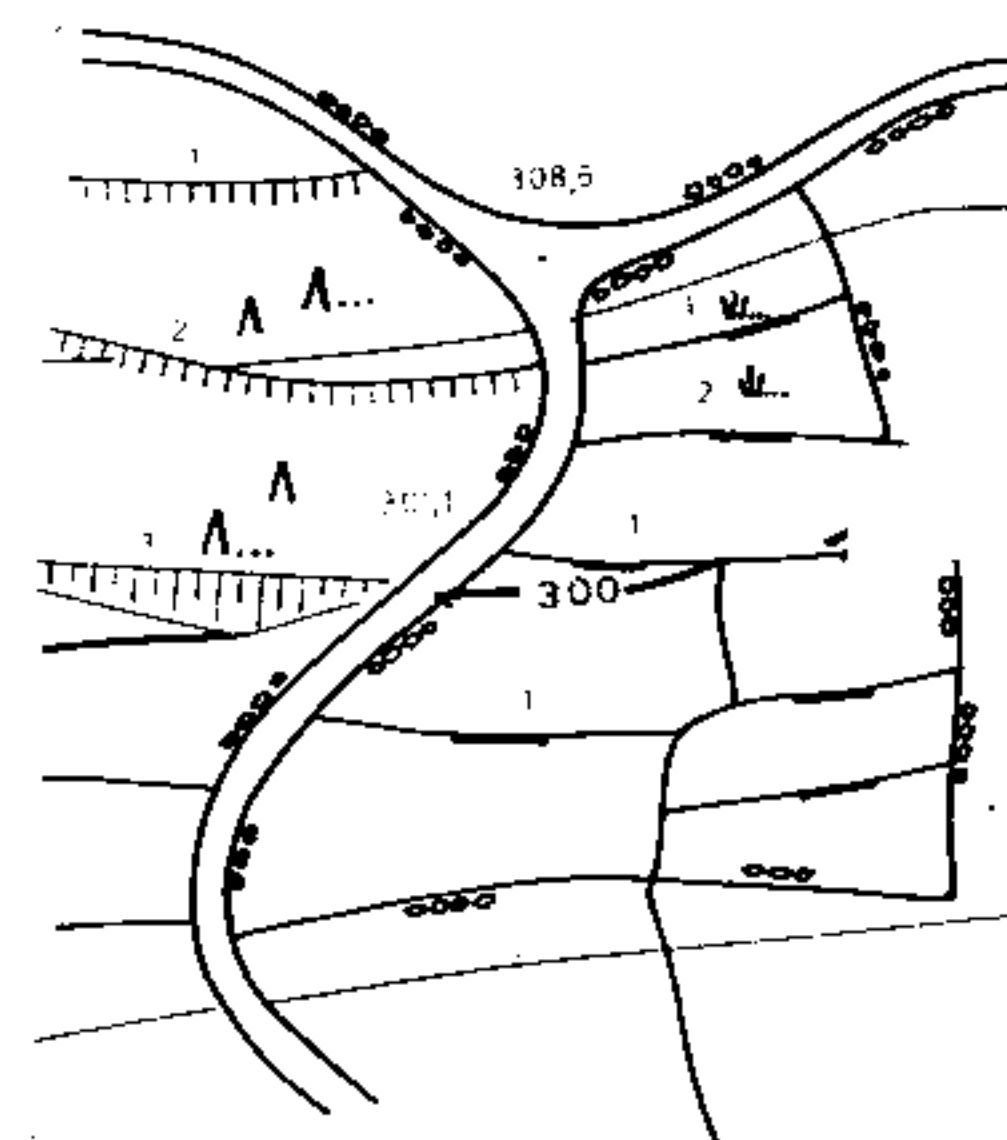
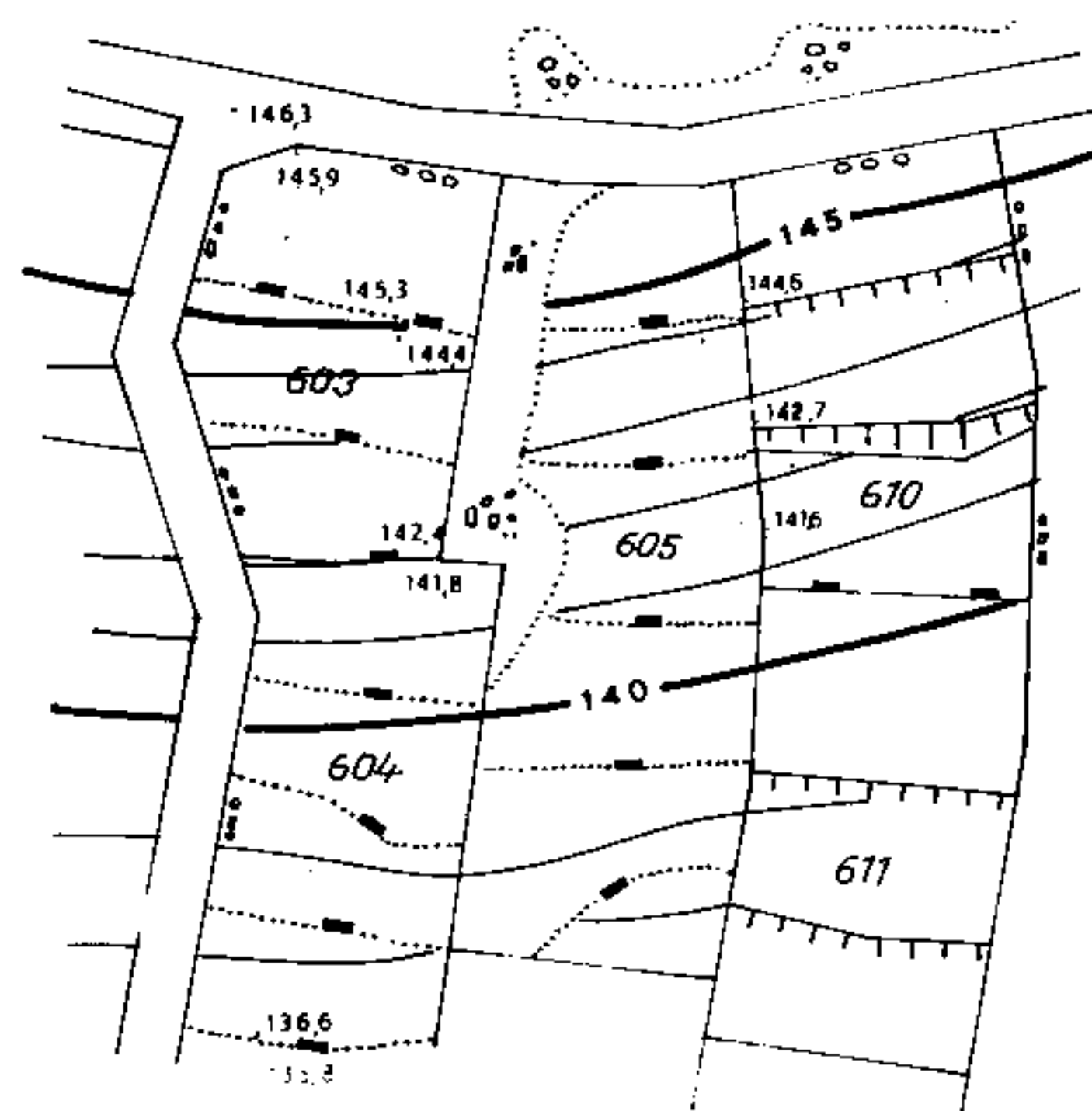


Ad 31 – 33 Na planu i karti mjerila 1:5.000 i 1:10.000 ne crtaju se svi rubovi terasa ako je razmak između njih manji od 6 mm na planu ili karti. Za terasasti teren upisuju se nadmorske visine točaka terena i relativne visinske razlike i crtaju slojnice. Slojnice se prekidaju na mjestima podzidova i pokosa.

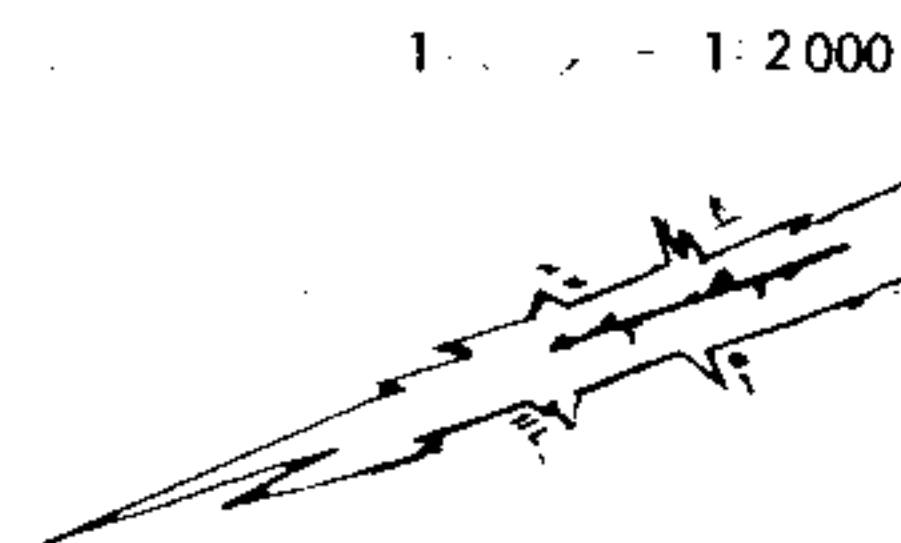
32. Terasasto zemljište s podzidom



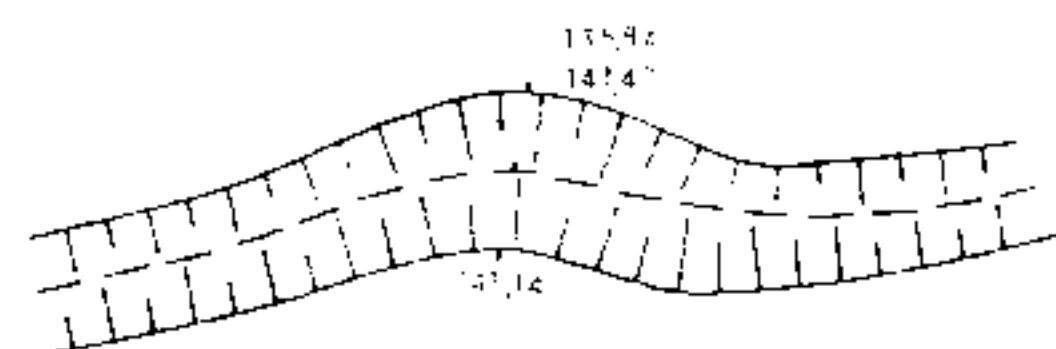
33. Primjer crtanja terasastog zemljišta



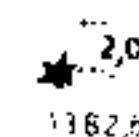
34. Veća pukotina u stijeni



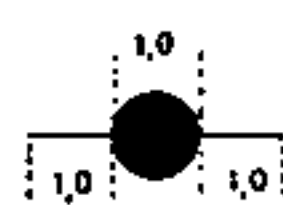
35. Jaruga, vododerina



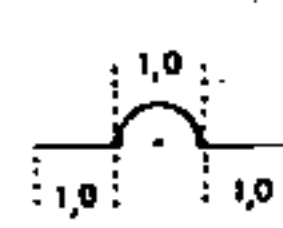
36. Šiljak, hrid, na stjenovitom zemljištu i u moru



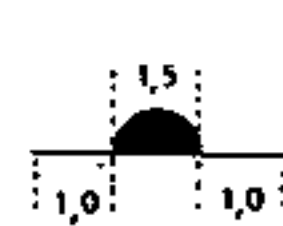
37. Ponor



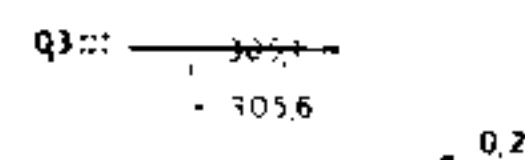
38. Spilja, pećina, bez vode



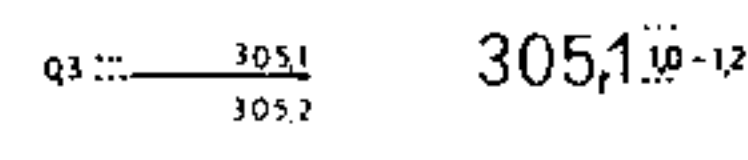
39. Spilja, pećina, s vodom



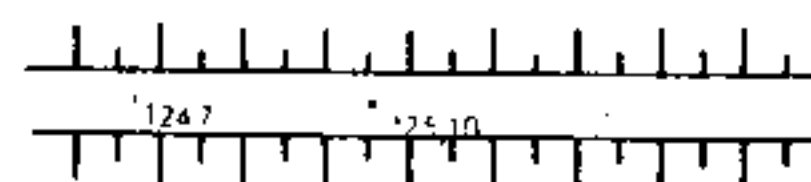
40. Nadmorska visina točke terena (kota)



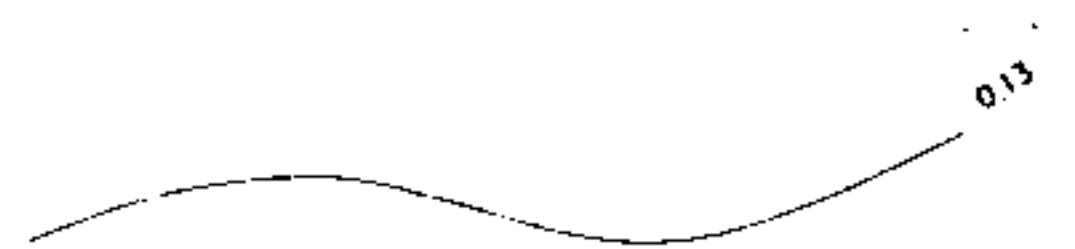
305,1 1,2



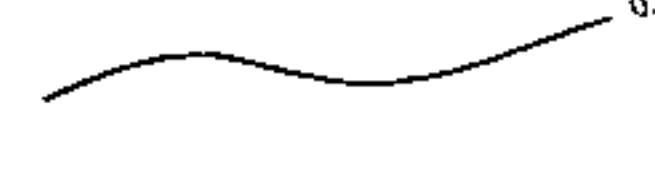
41. Nadmorska visina točke na objektu (kota)



42. Osnovna slojnica



43. Glavna slojnica



Ad 34. Crtež znaka mora biti u naravnom izgledu pukotine.

Ad 35 Na planu i karti mjerila 1:500 do 1:2.000 znak se crta u grupama na razmaku od 2–5 cm.

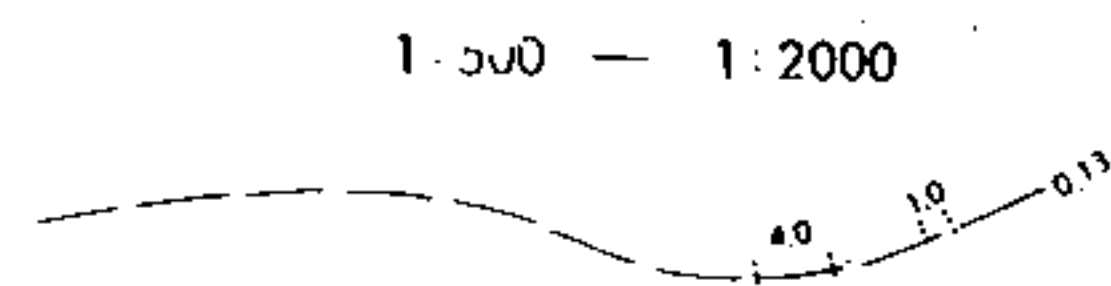
Ad 37–39 Crtež znaka mora odgovarati naravnom izgledu predmeta.

Ad 38–39 Kada se znak ne može prikazati u mjerilu, primjenjuje se znak s propisanim dimenzijama.

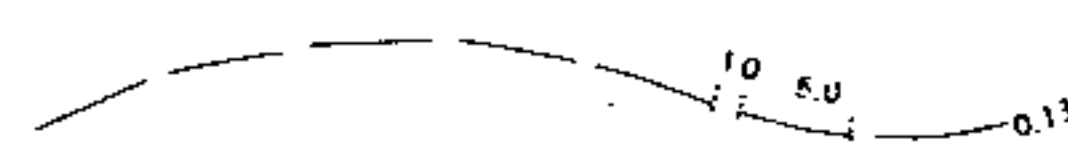
Ad 40–41 Nadmorska visina točke terena piše se na foliji za sepija boju, a nadmorska visina vodnog tica na foliji za crnu boju.

Ad 42–44 Slojnice se ne crtaju preko željezničke pruge, ceste, aerodromske piste, terase, betoniranog dvorišta, parka, nasipa, usjeka, pokosa, podzida, brane, vodotoka, mora, jezera, bare, ribnjaka, bazena, inundacionog područja uz vodotok, planirane površine i sličnih mjesta. Preko strmih stijena, litica, pukotina u stijeni i sličnih mjesta crtaju se samo glavne slojnice. Između osnovnih slojnica mogu se crtati i pomoćne slojnice.

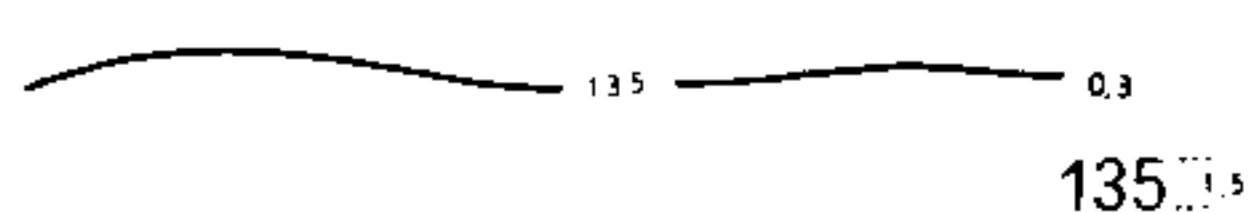
44. Pomoćna slojnica



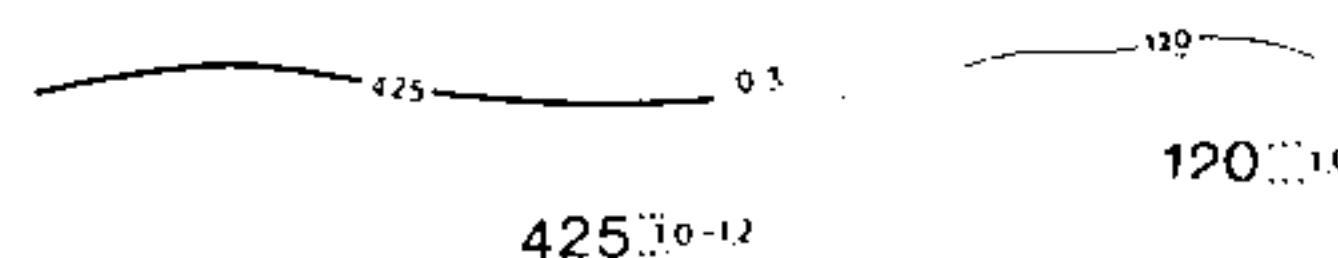
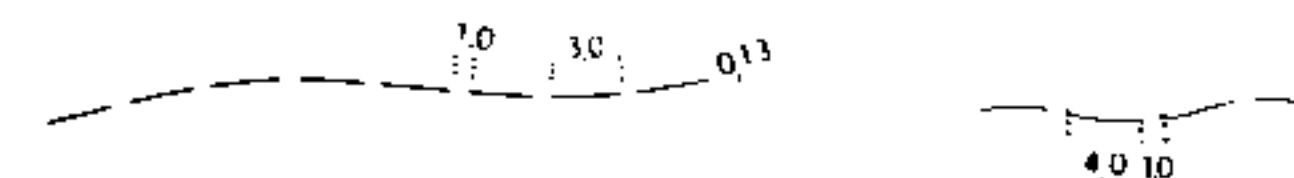
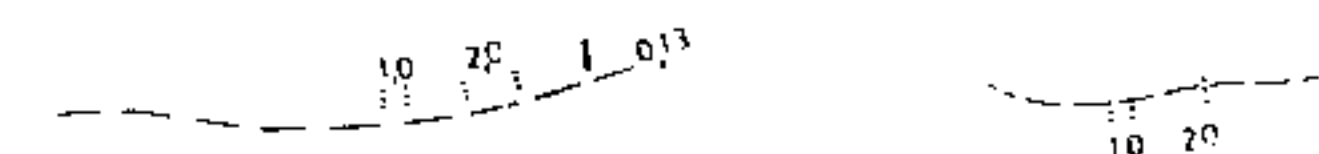
45. Približna slojnica



46. Nadmorska visina slojnice



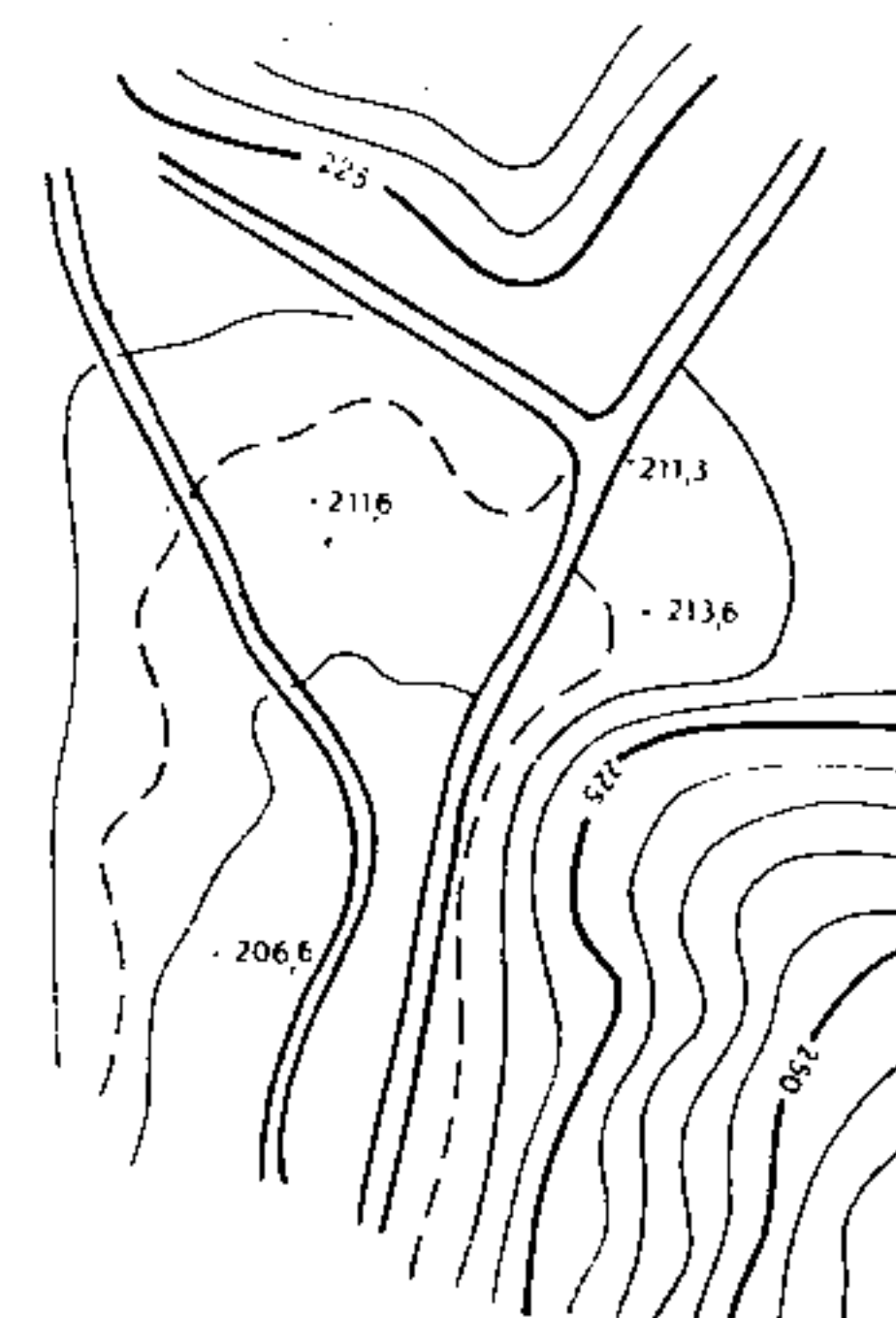
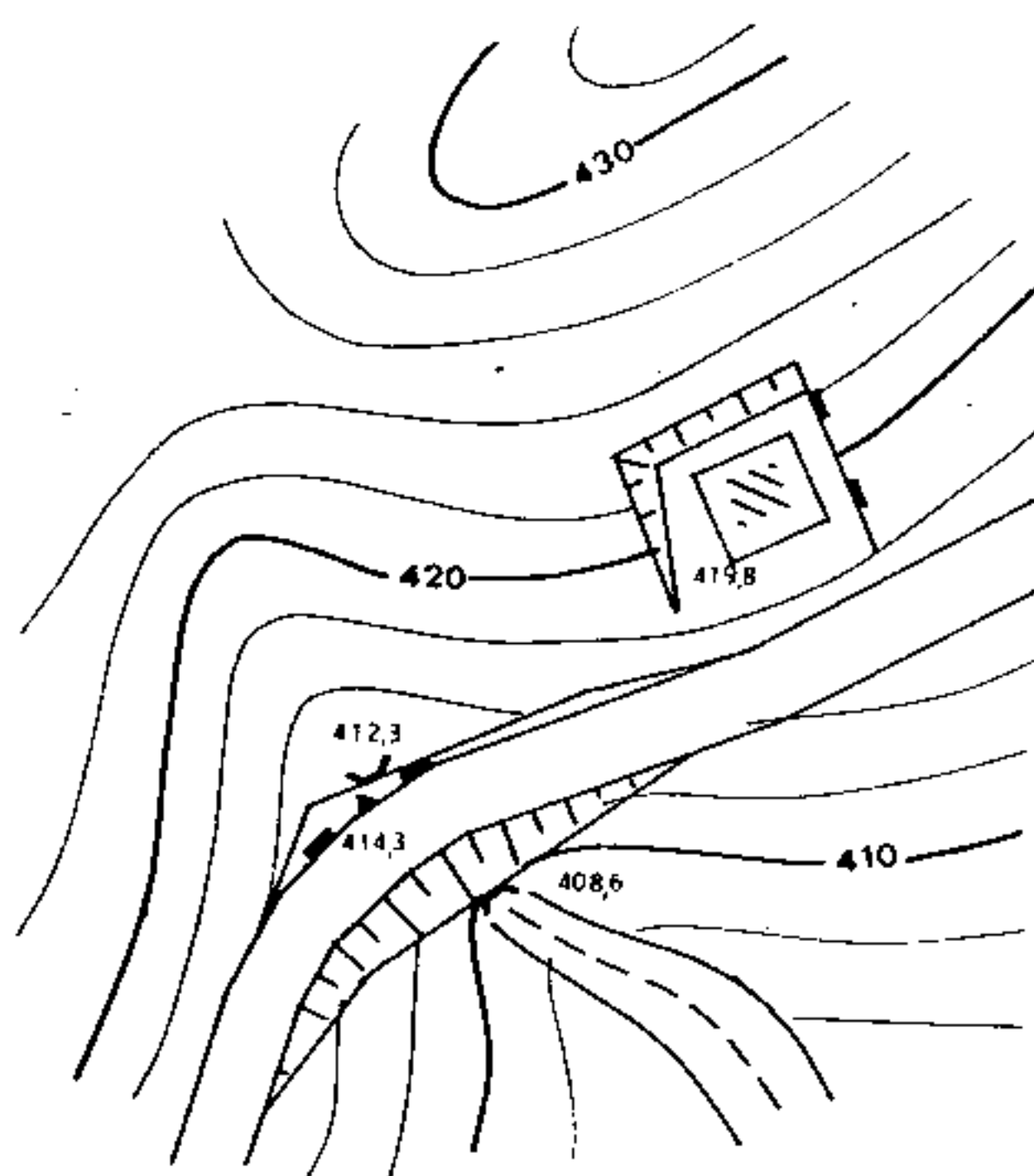
1:5000 — 1:10000 — 1:20000 — 1:25000



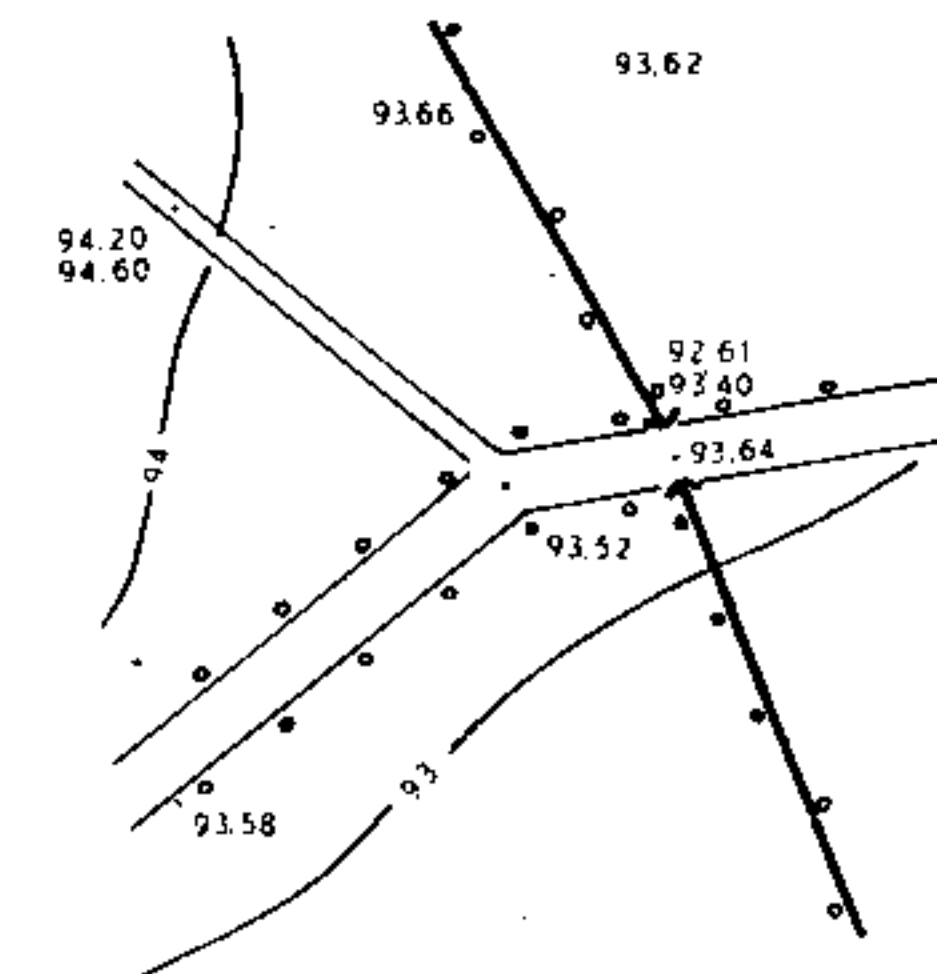
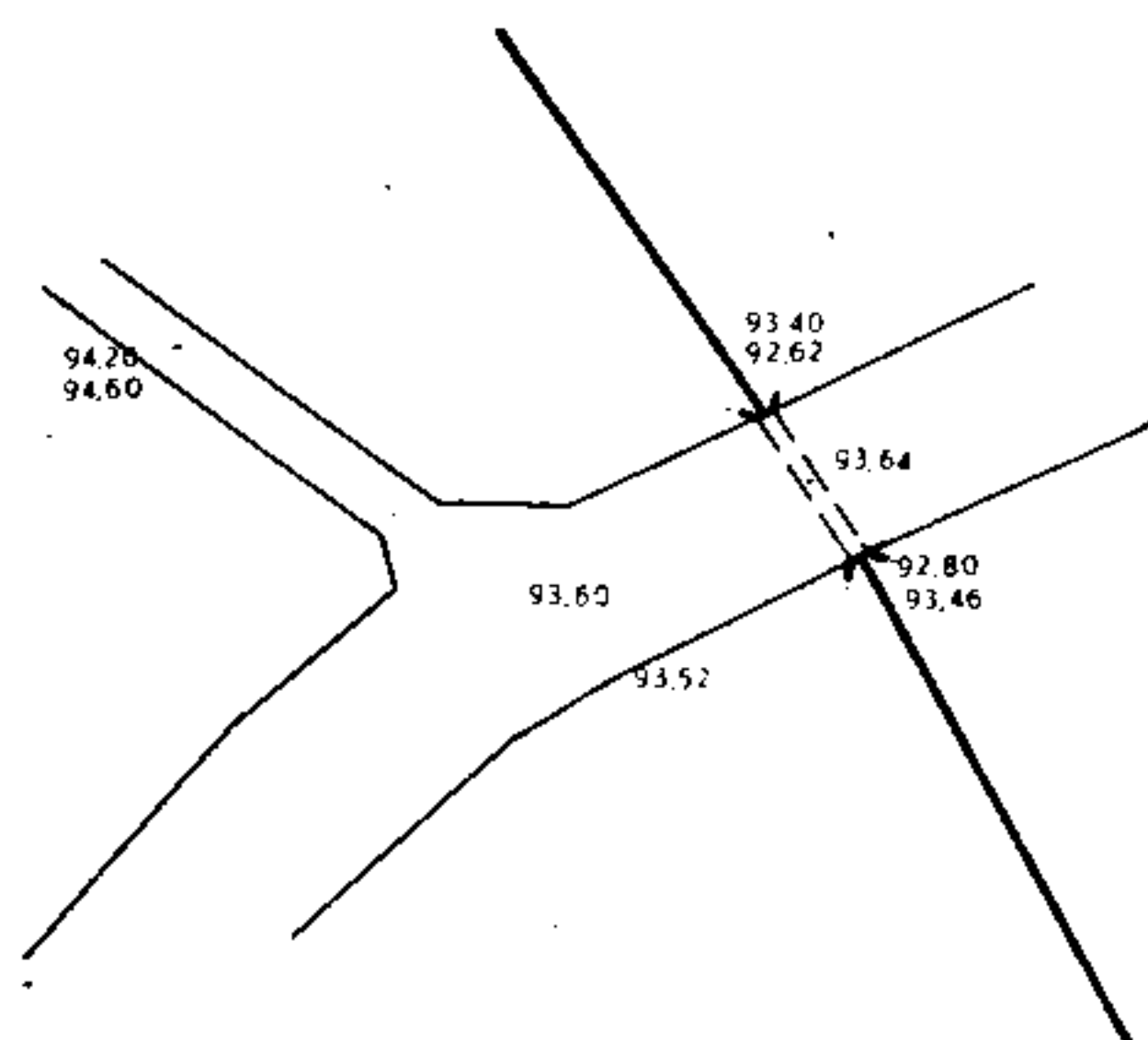
Ad 45 Primjenjuje se za teren snimljen pod vegetacijom.

Ad 46 Upisuje se u smjeru uspona terena

47. Primjer crtanja slojnica s nadmorskim visinama slojnica i točaka terena.



48. Primjer pisanja nadmorskih visina (kota)



III Vode i objekti uz njih

1:5 000 — 1:2 000

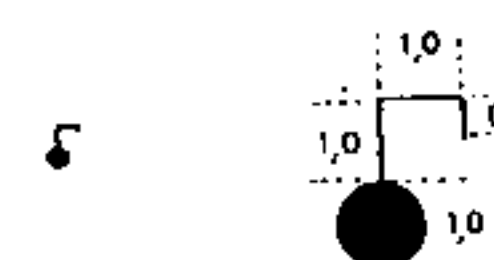
1:5 000 — 1:10 000

1:20 000 — 1:25 000

49. Izvor, vrelo



50. Česma, slavina



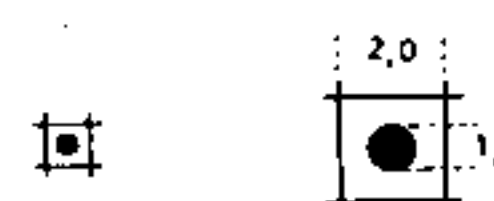
Ad 50-52 Na planu i karti mjerila 1:5.000 do 25.000 u naseljenom mjestu prikazuju se javni bunari česme ili cisterne te na pojedinim dijelovima mjesta po jedan privatni bunar, česma ili cisterna.

51. Bunar, arteški bunar, crpka, pumpa za vodu



Isti znak kao 50

52. Cisterna

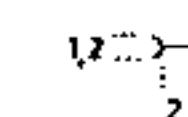
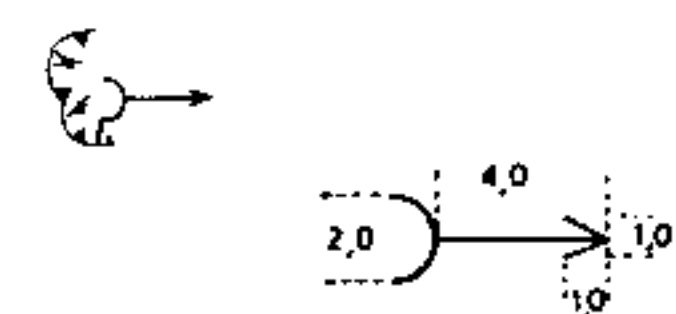


Isti znak kao 50

53. Izvor mineralne i termalne vode



54. Estavela, vrelo-ponor

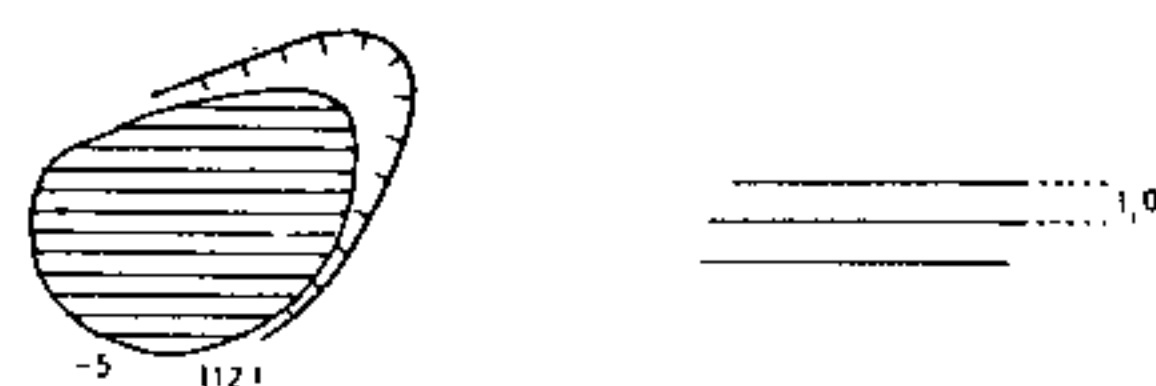


Ad 54-55 Crtež znaka mora odgovarati naravnom izgledu

55. Izvor i uvir ponornice

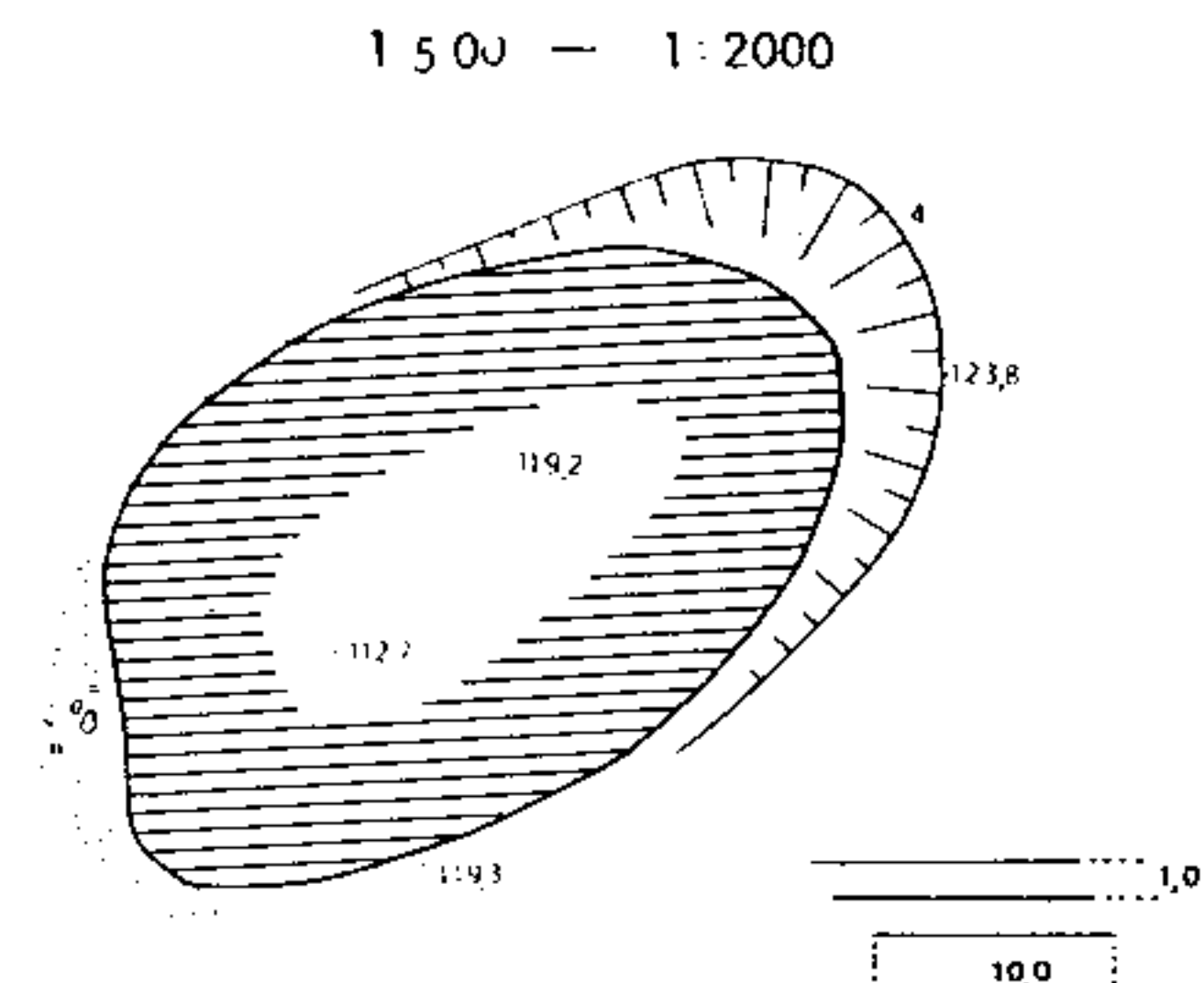


56. Lokva, močilo

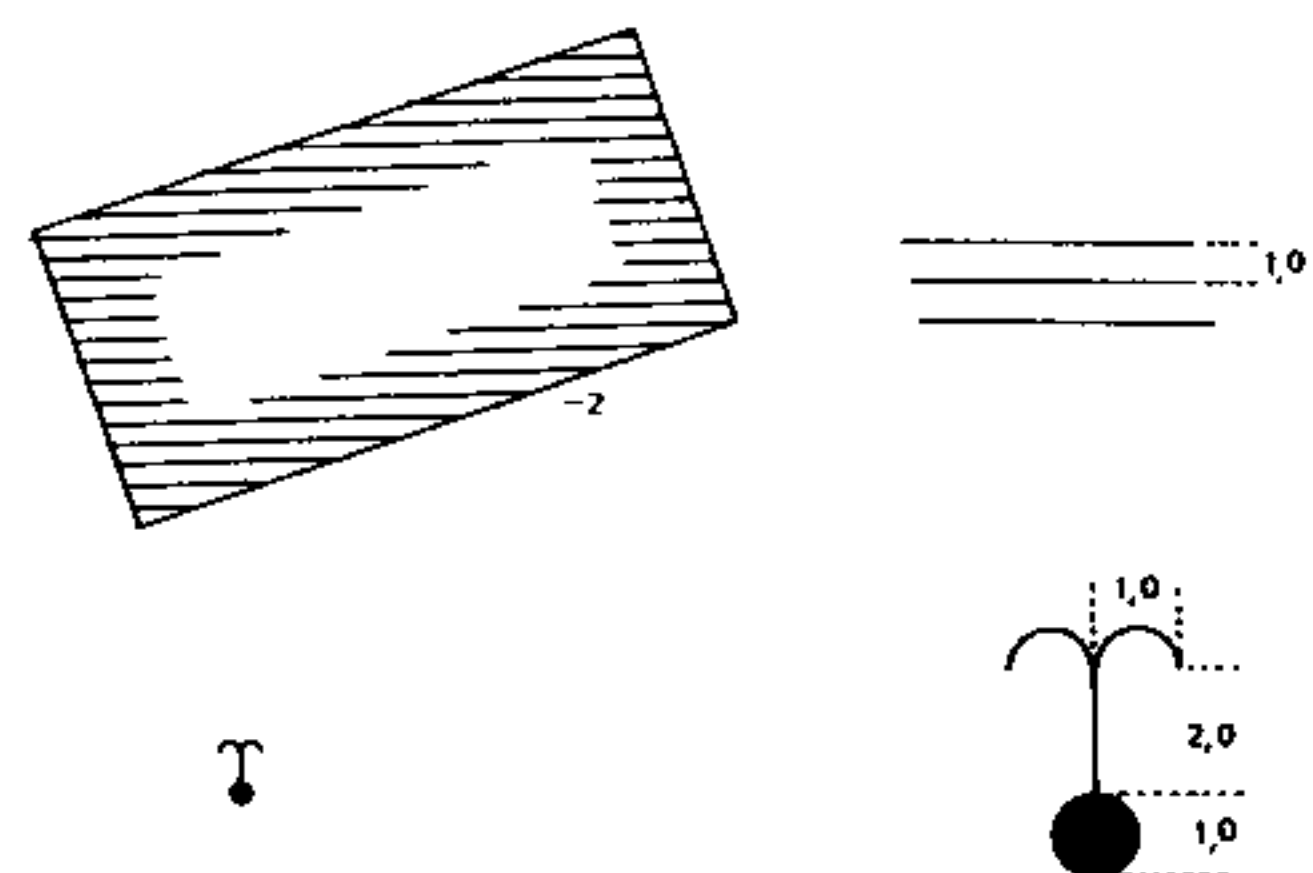


Ad 56-58 Za rub vodnog lica uzima se vodostaj srednje vode. Relativna dubina piše se na crnoj foliji s predznakom +, -, zaokružena na metar.

57. Jezero, bara, ribnjak



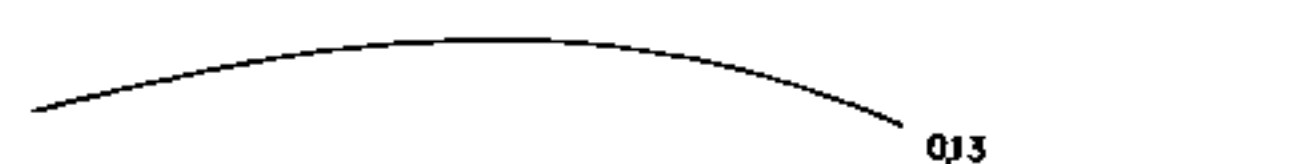
58. Bazen



59. Vodoskok



60. Rub vodnog lica



61. Prirodni vodotok sa stalnom vodom do 0,5 mm širine na planu i karti



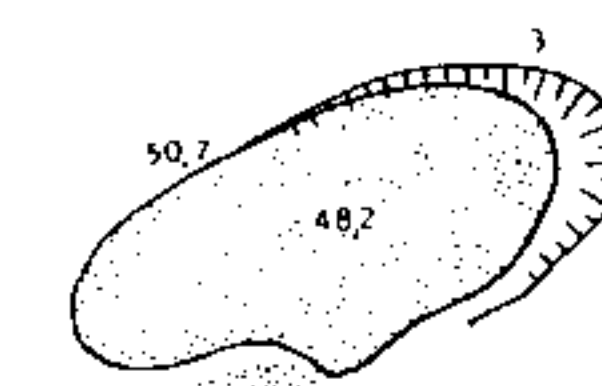
62. Prirodni vodotok sa stalnom vodom, širi od 0,5 mm na planu i karti



63. Prirodni vodotok s povremenom vodom do 0,5 mm širine na planu i karti



1:5 000 — 1:10 000



1:20 000 — 1:25 000



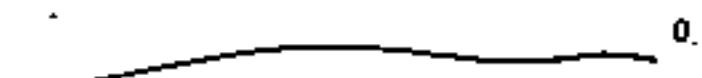
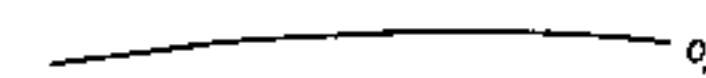
0.2 Bz



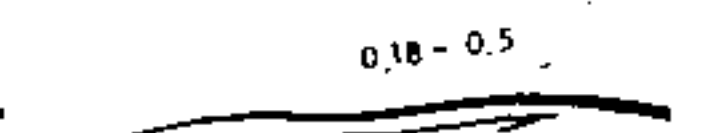
0.2 Bz

Bz 1.2

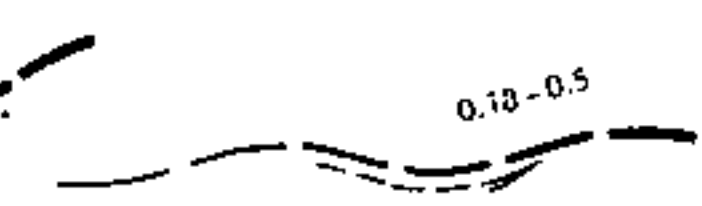
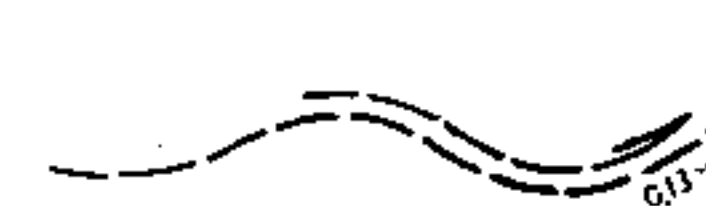
1.0



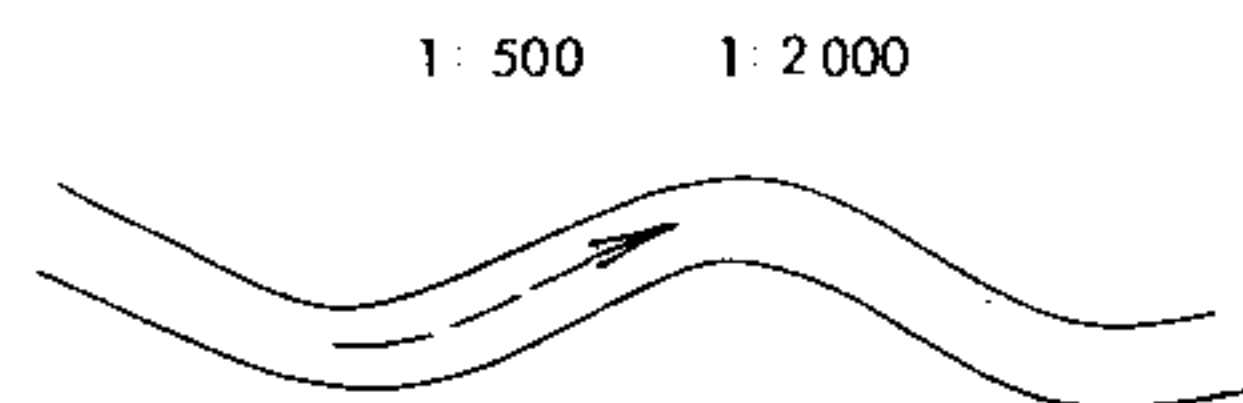
Ad 60 Crta se vodostaj srednje vode, a kod akumulacionih jezera najviši vodostaj



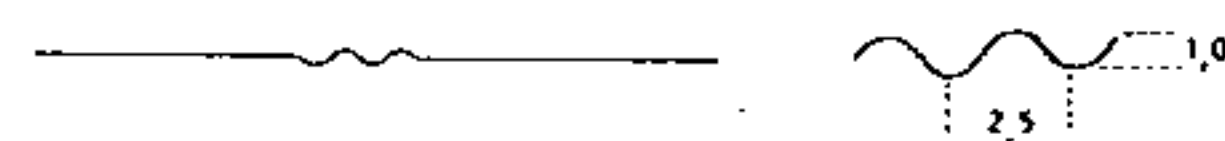
Ad 61-63 Nadmorske visine dna korita i točaka terena na obali pišu se na foliji za sepia boju. Na karti u mjerilu 1:5.000 do 1:25.000 površina pod vodom šira od 0,5 mm na karti pokriva se rasterom. Relativna visinska razlika za reljef terena piše se na foliji za sepia boju, a relativna dubina od ruba vodnog lica do dna vodotoka na foliji za crnu boju s predznakom "-". Relativna visinska razlika zaokružuje se na metar.



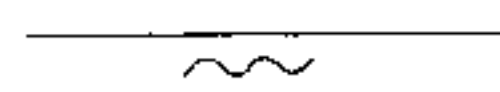
64. Prirodni vodotok s povremenom vodom širi od 0,5 mm na planu i karti



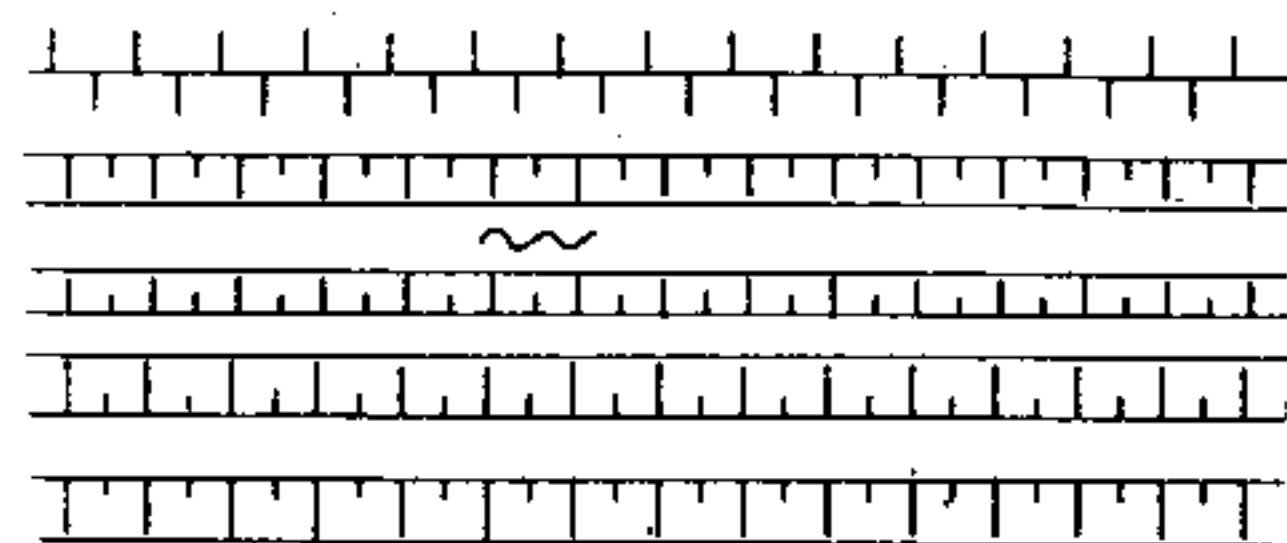
65. Izgrađeni vodotok, kanal, do 0,5 mm širine na planu i karti



66. Izgrađeni vodotok, kanal, širi od 0,5 mm na planu i karti



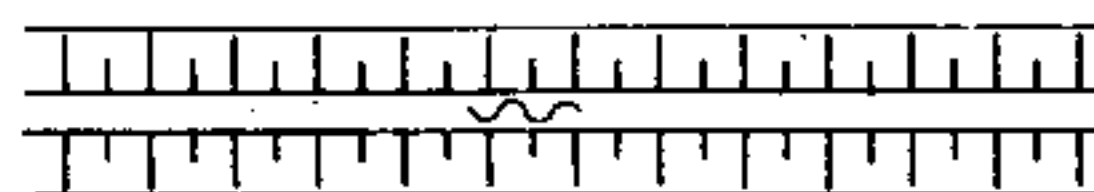
67. Primjer crtanja kanala s nasipima



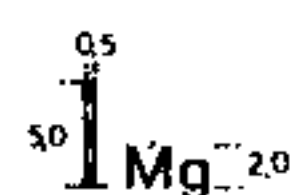
68. Kanal na nasipu od 0,5 mm širine na planu i karti



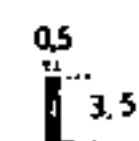
69. Kanal na nasipu širi od 0,5 mm na planu i karti



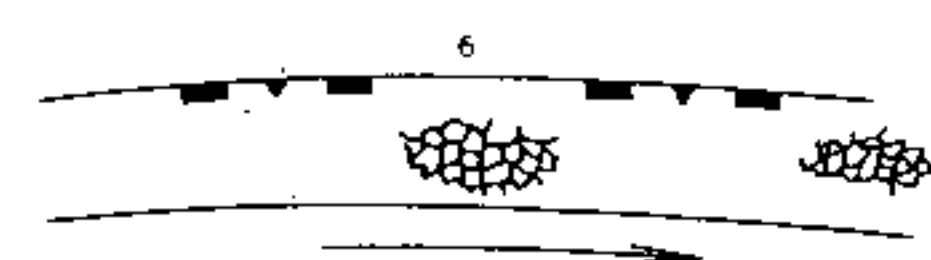
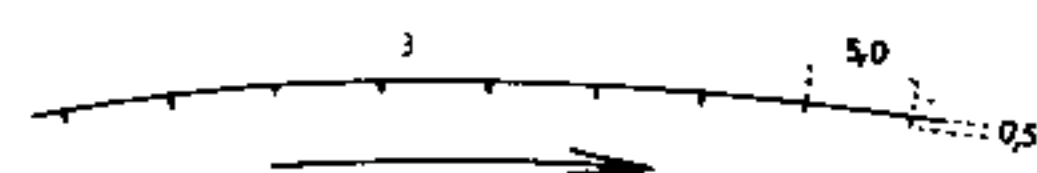
70. Mareograf



71. Vodomjer, vodomjerna letva



72. Drvena obaloutvrda

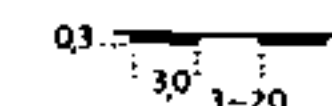
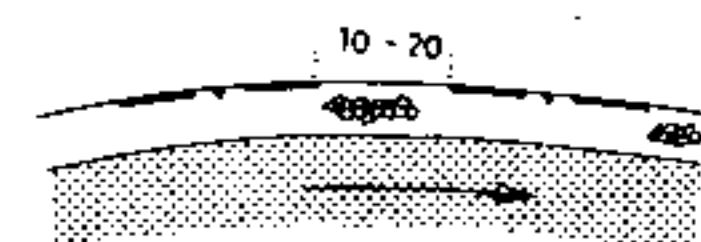
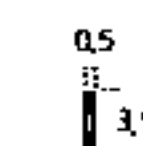
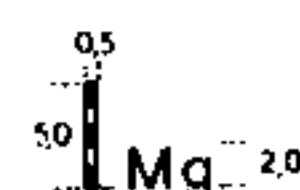
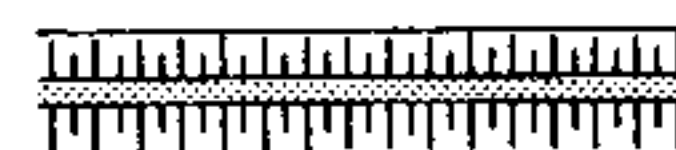
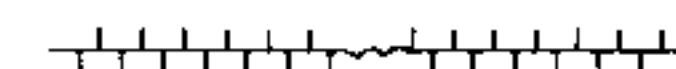
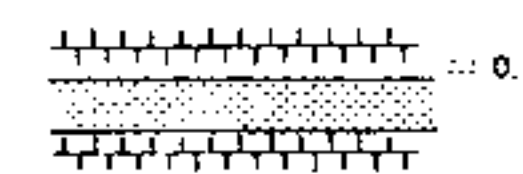
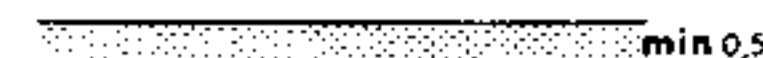
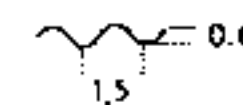


73. Kosa obaloutvrda od kamena



1:5 000 — 1:10 000

20 000 — 1:25 000

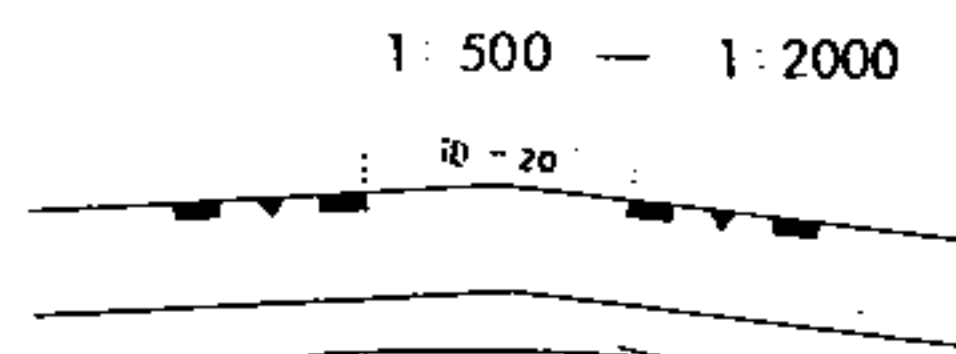


Isti znak kao 72

Ad 71 Nadmorska visina nule vodomjerne letve piše se na foliji za crnu boju.

Ad 72-77 Relativna visinska razlika obaloutvrda odnosi se na cijelu visinu obale i izgrađene obaloutvrde iznad vodnog lica i pod vodom.

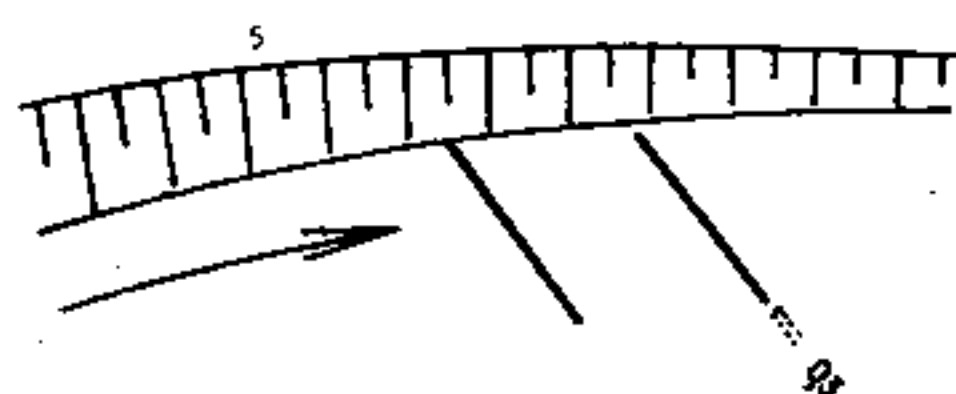
74. Kosa obaloutvrda od betona



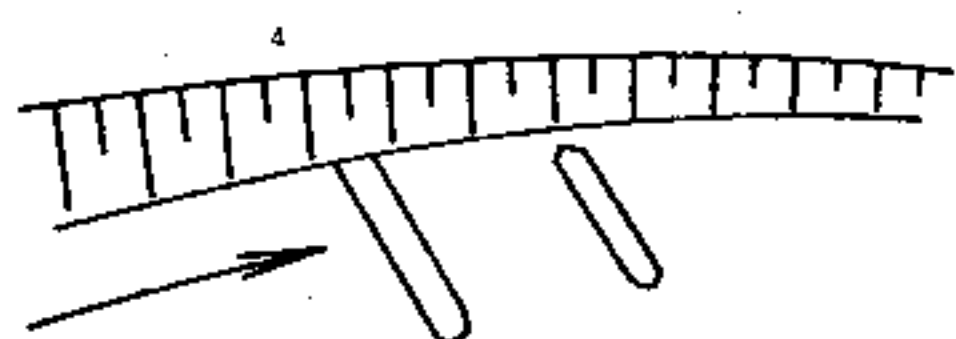
75. Okomita obaloutvrda od kamena ili betona



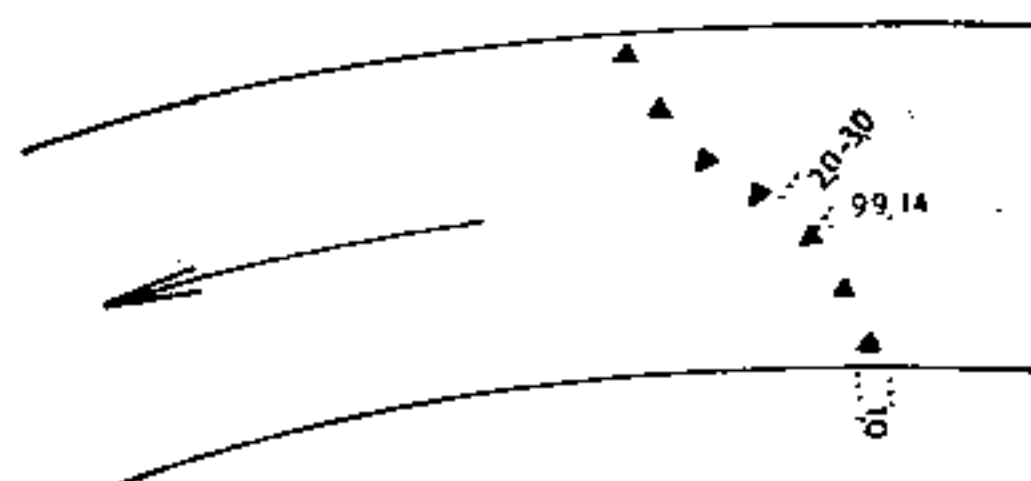
76. Pero, odbijač, do 0,5 mm širine na planu i karti



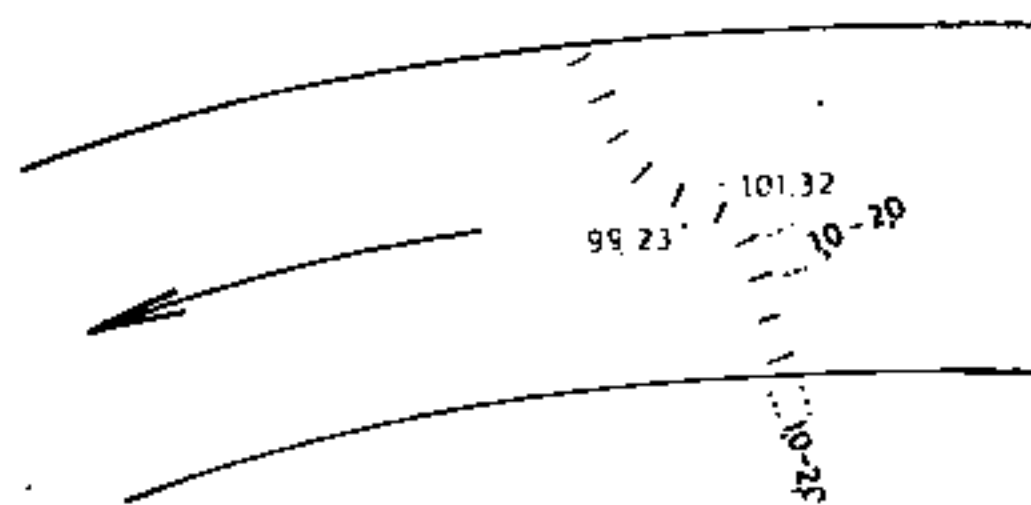
77. Pero, odbijač, širi od 0,5 mm na planu i karti



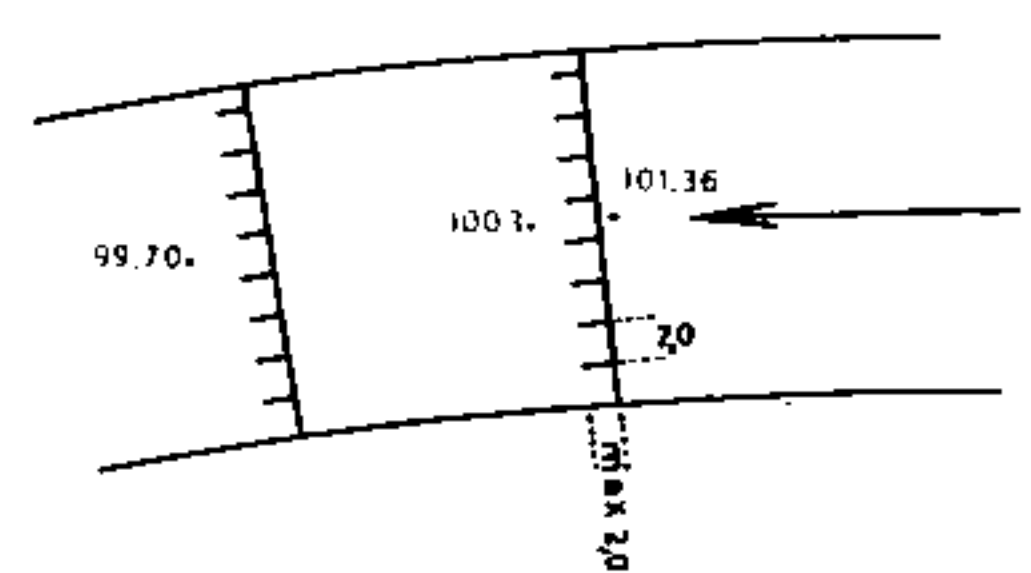
78. Prirodni prag u vodotoku preko 2 m visine



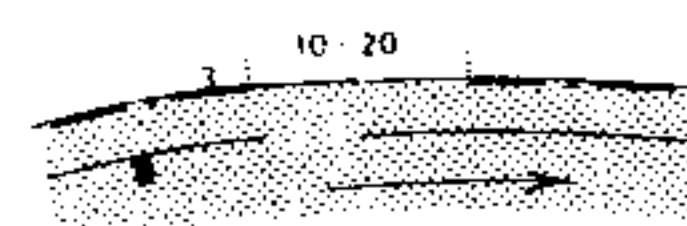
79. Prirodni prag u vodotoku do 2 m visine



80. Izgrađeni prag u vodotoku

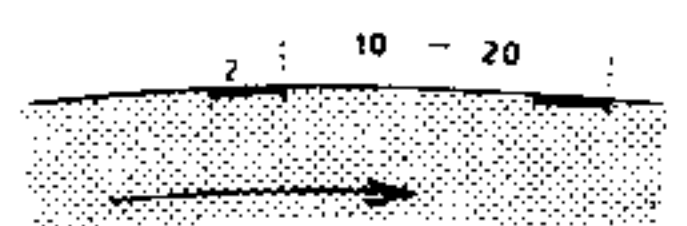


1:5 000 — 1:10 000

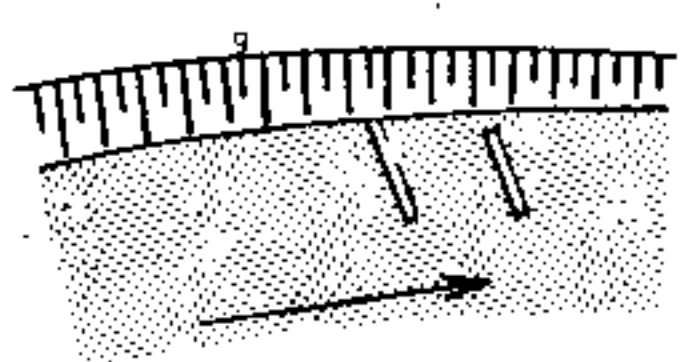
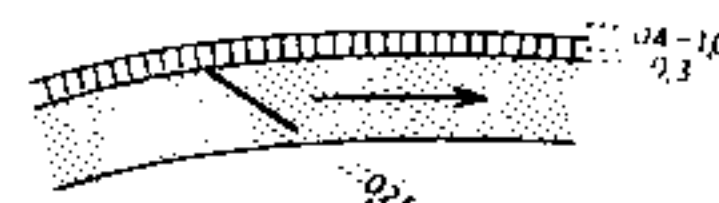
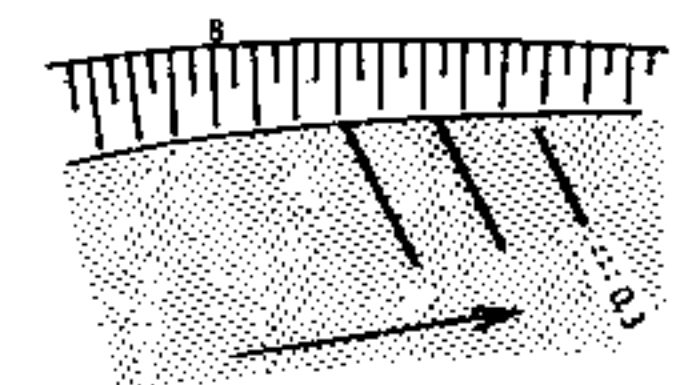


1:20 000 — 1:25 000

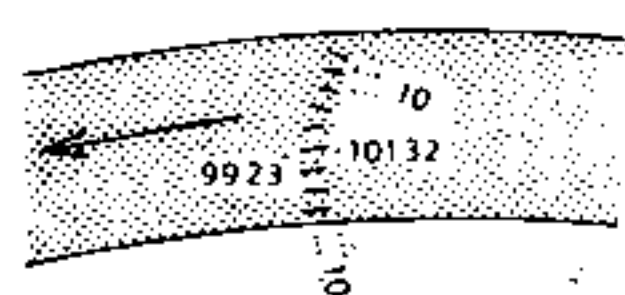
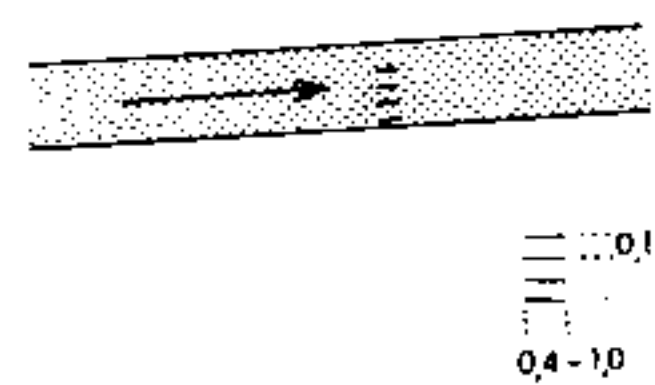
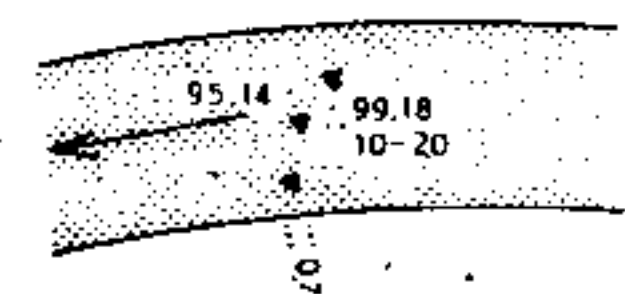
Isti znak kao 72



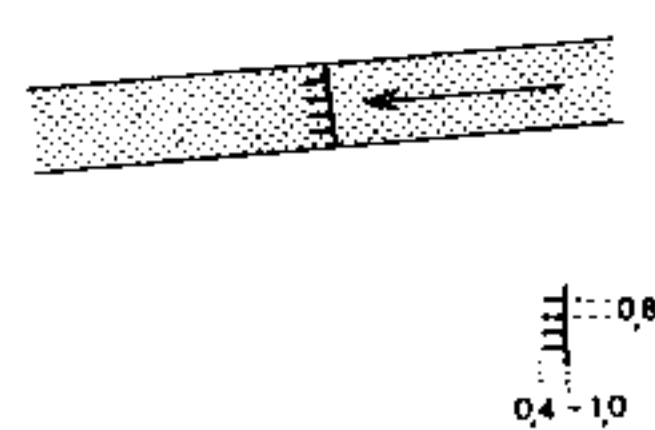
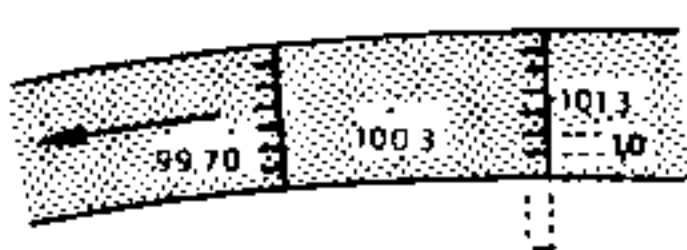
Isti znak kao 72



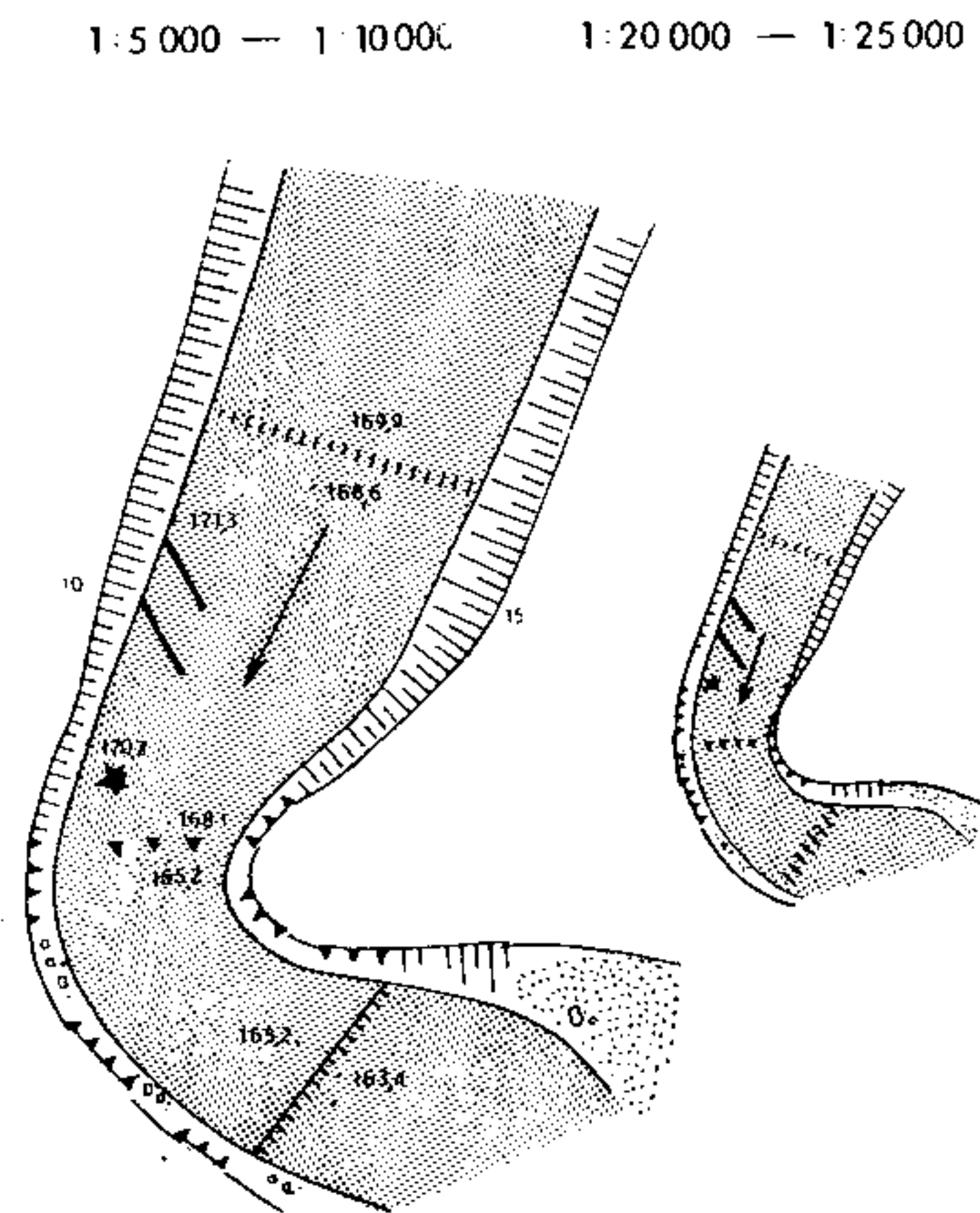
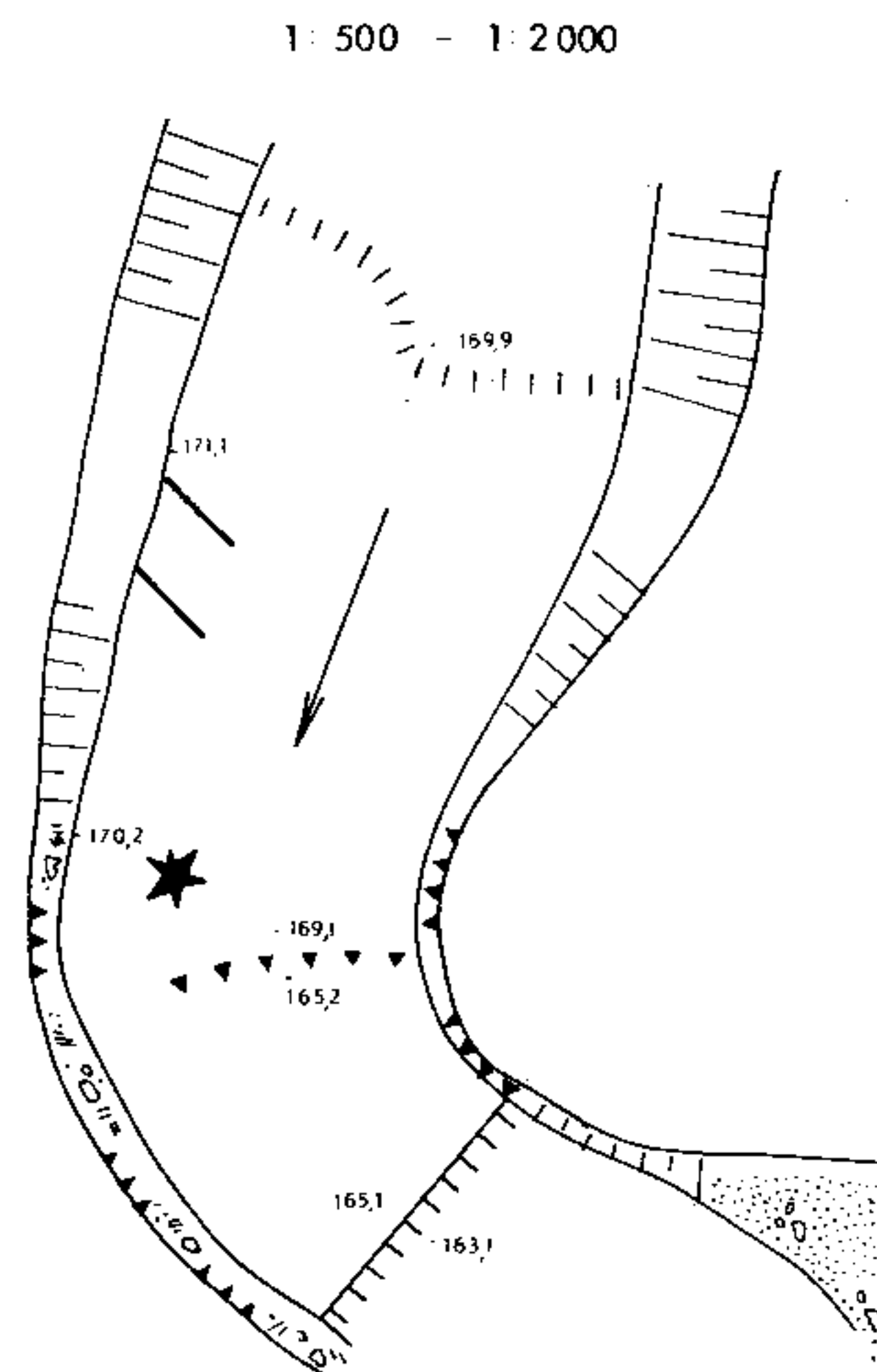
Isti znak kao 76



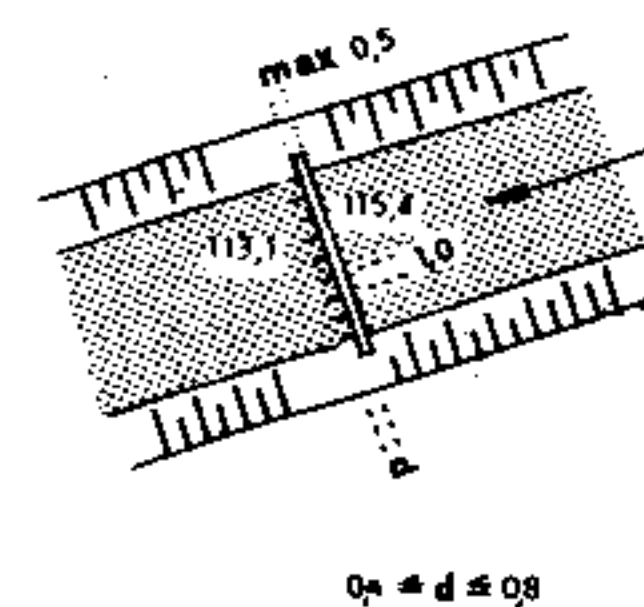
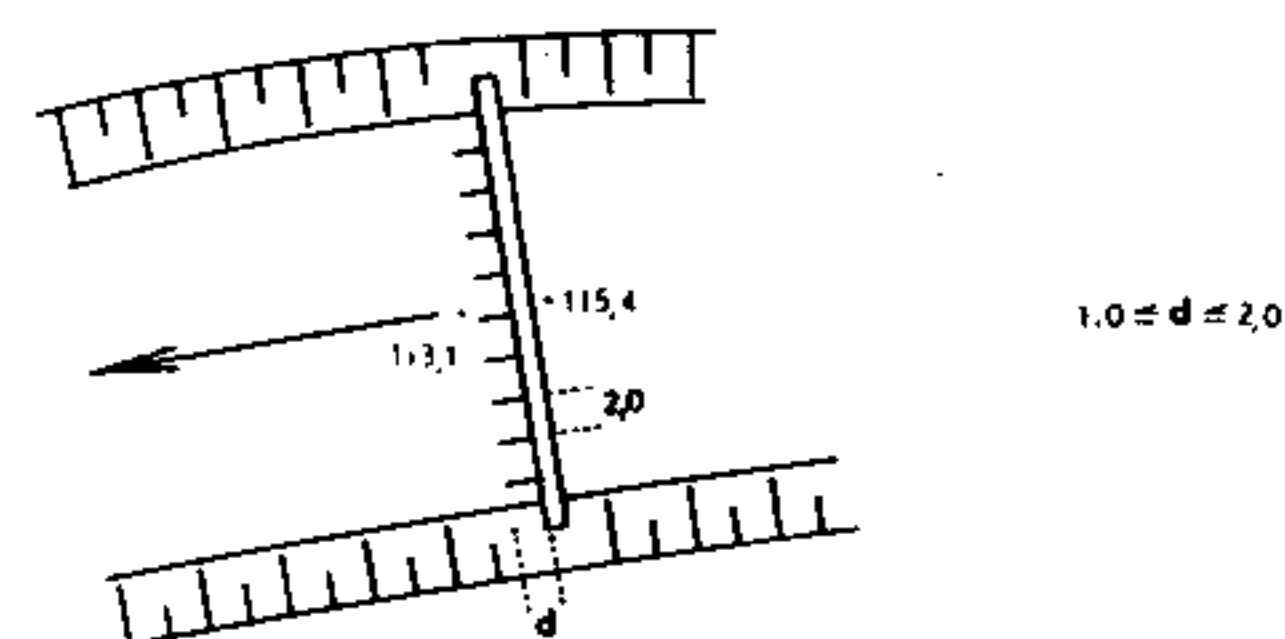
Isti znak kao 78



81. Primjer crtanja prirodnog vodotoka sa stalnom vodom



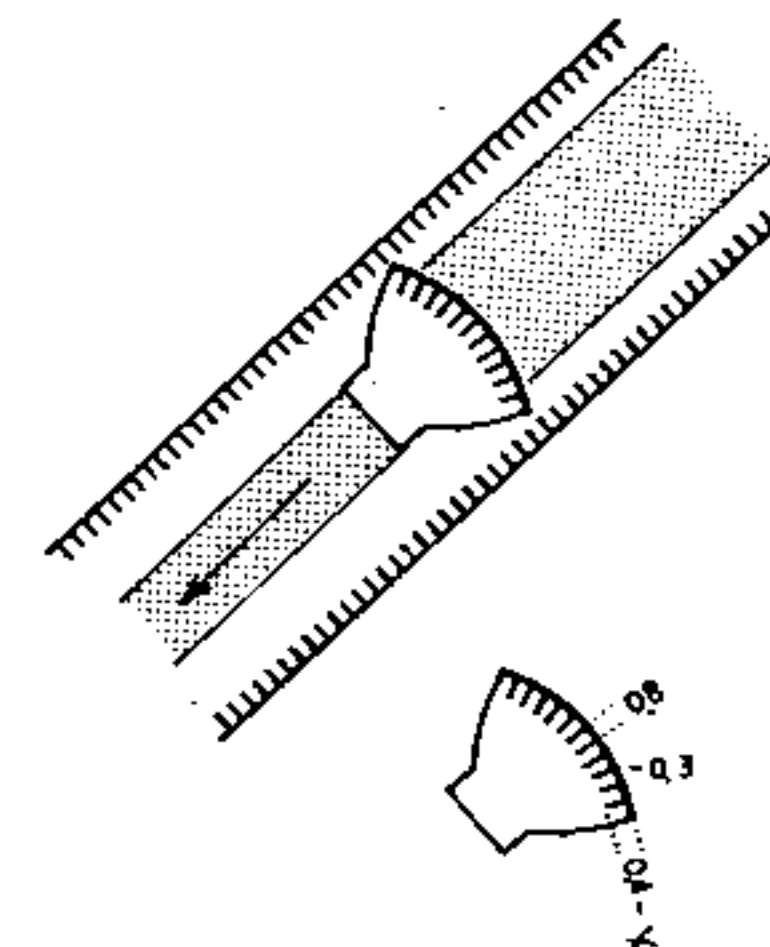
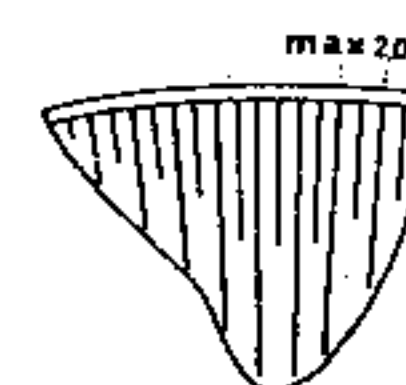
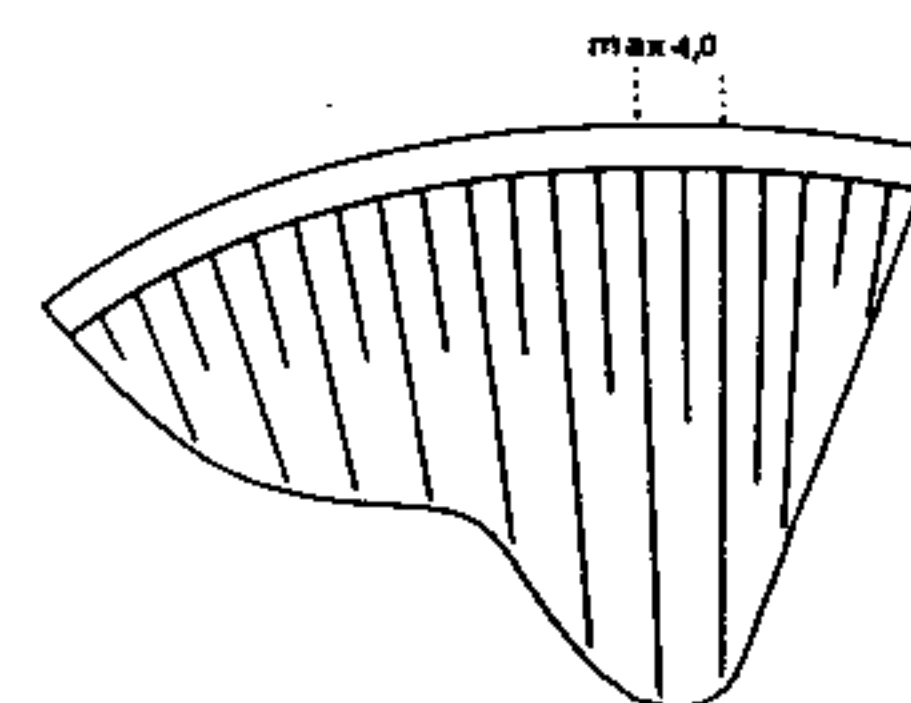
82. Brana do 3 metra visine



Isti znak kao 80

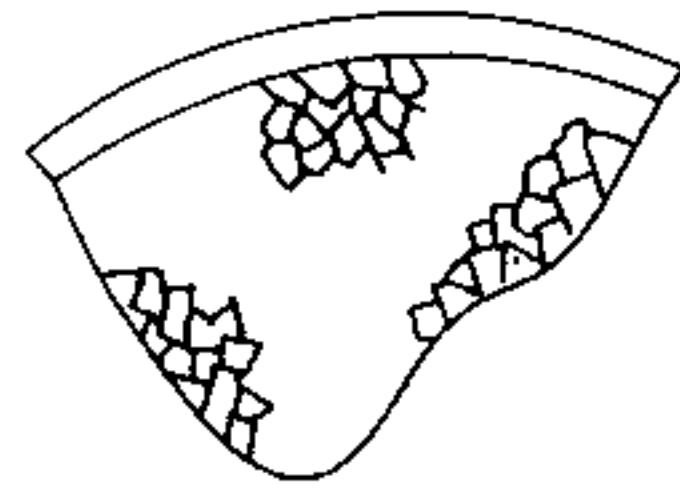
Ad 82-86 Nadmorska visina odnosi se na sredinu objekta i dno korita s obje strane objekta.

83. Brana od zemlje viša od 3 metra

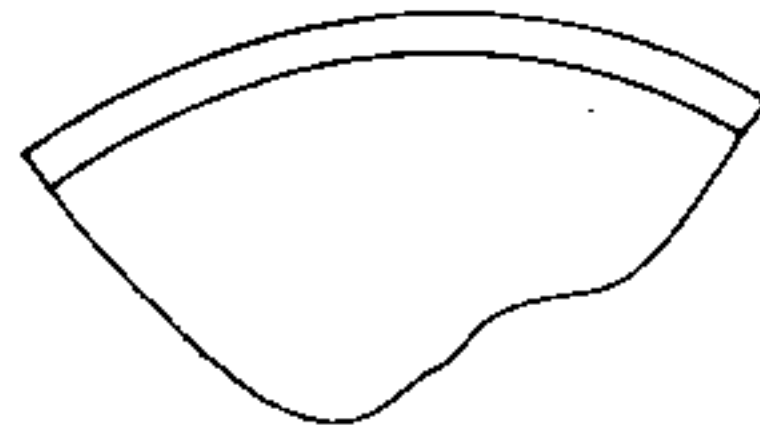


1: 500 - 1: 2000

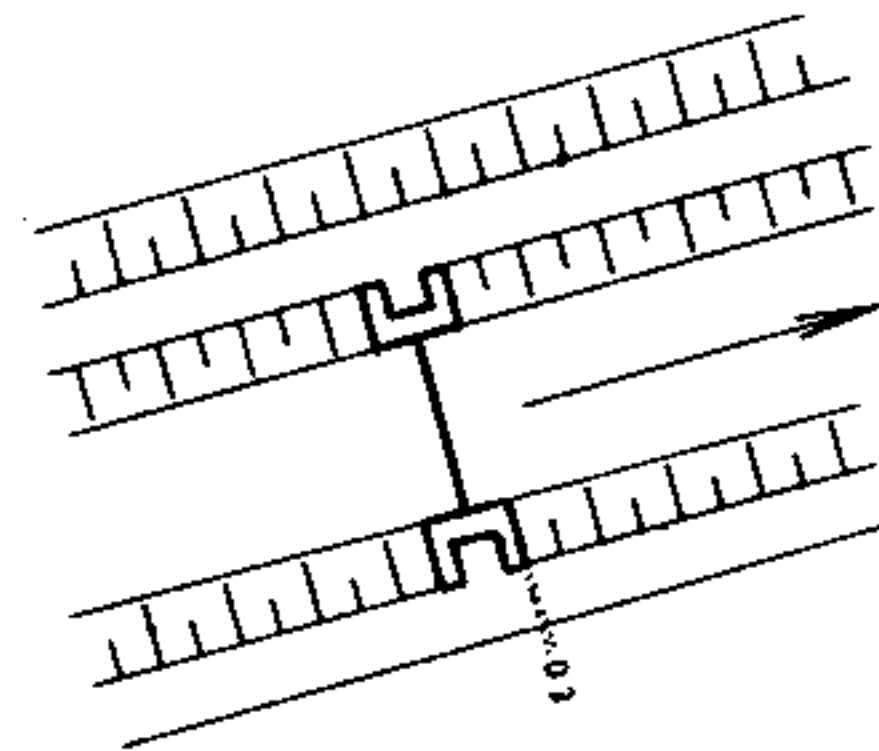
84. Brana od kamena viša od 3 metra



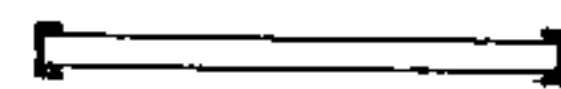
85. Brana od betona viša od 3 metra



86. Sigurnosna ustava, zapornica



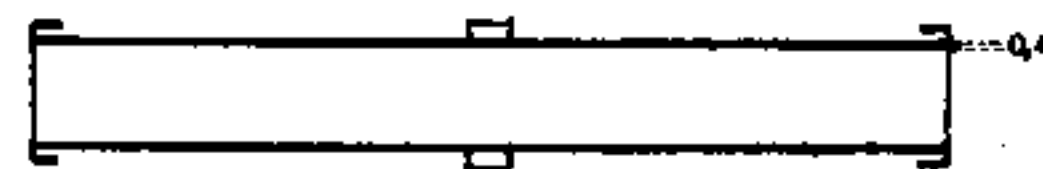
87. Pješački most



88. Drveni most



89. Kameni i betonski most



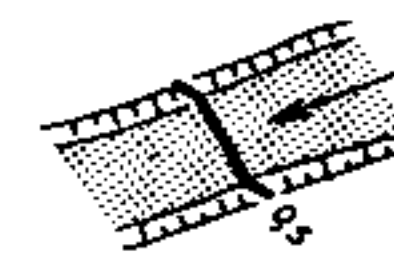
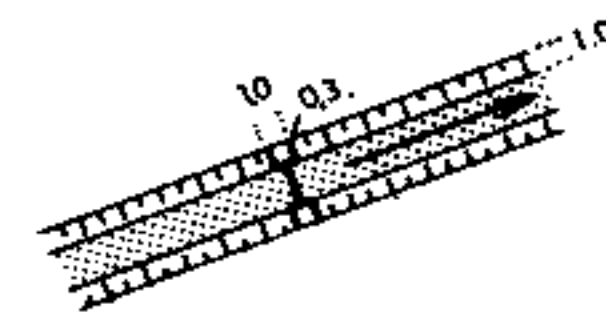
90. Željezni most



91. Pontonski most



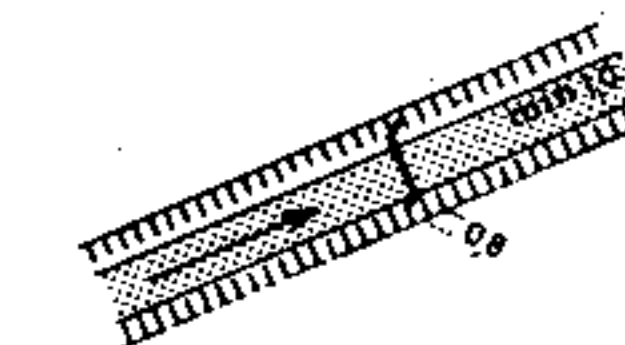
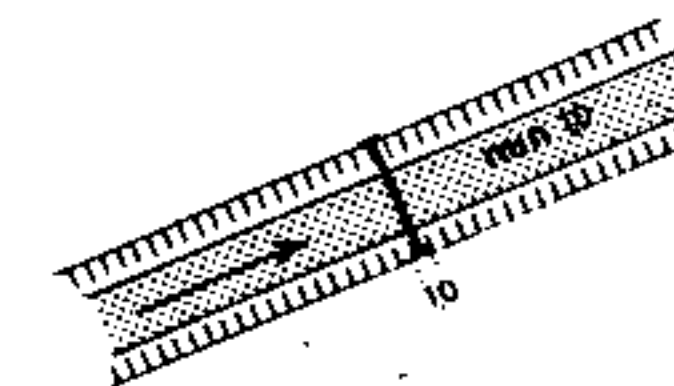
1: 5 000 - 1: 10 000



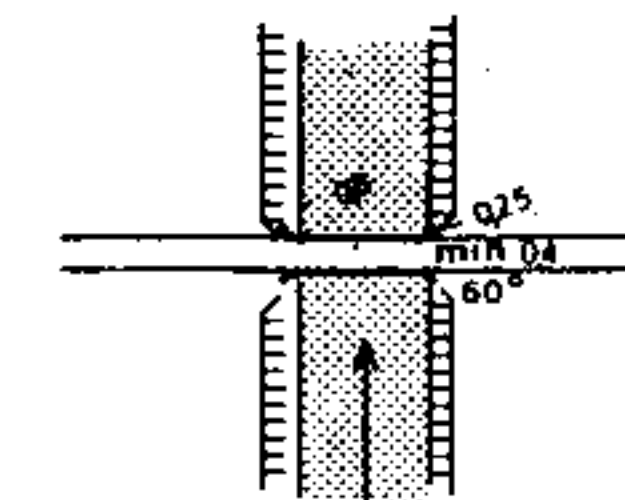
1: 20 000 - 1: 25 000

Isti znak kao 83

Isti znak kao 83



Isti znak kao 89

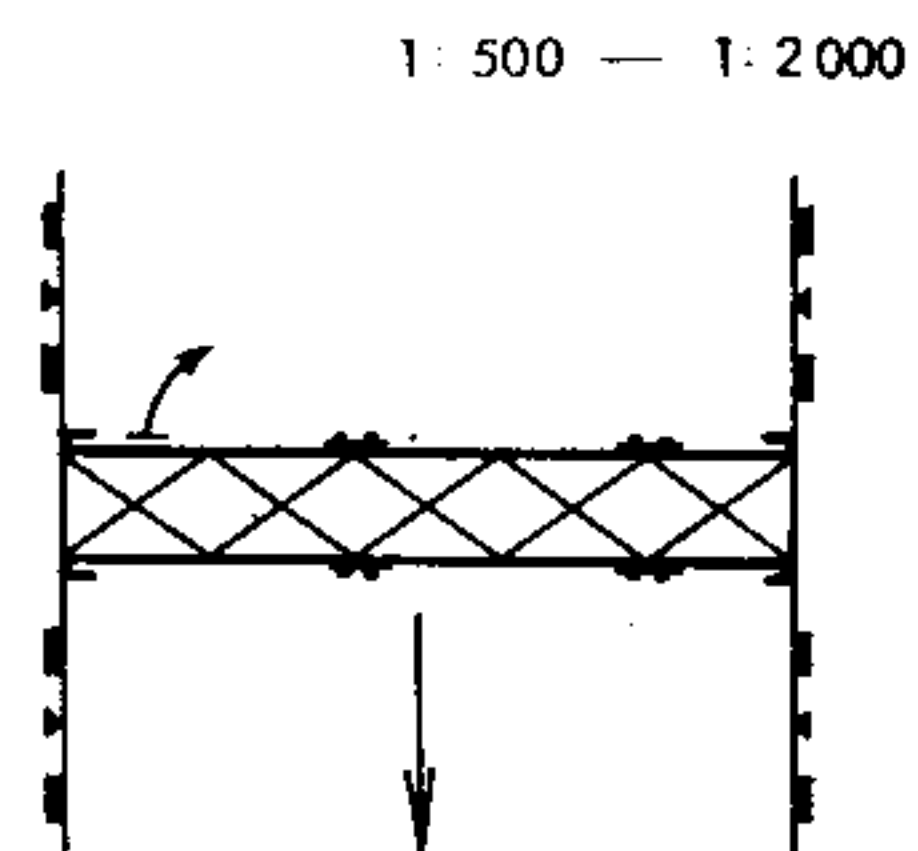


Isti znak kao 89

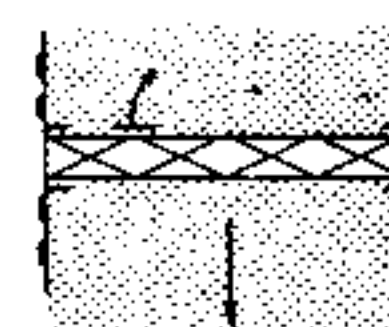
Isti znak kao 99

Ad 87-92 Nadmorska visina odnosi se na sredinu mosta i dno korita pod mostom.
Potporni stupovi prikazuju se u naravnom izgledu samo izvan projekcije mosta.

92. Pokretni most



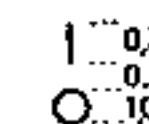
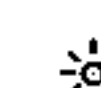
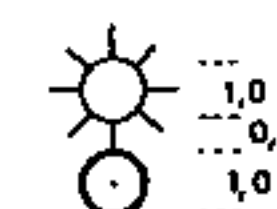
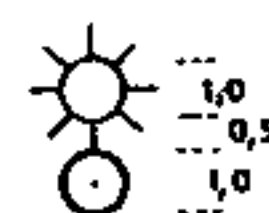
1: 5 000 — 1: 10 000



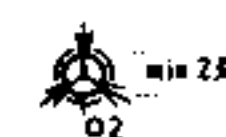
1: 20 000 — 1: 25 000

Isti znak kao 89

93. Svjetionik na stupu

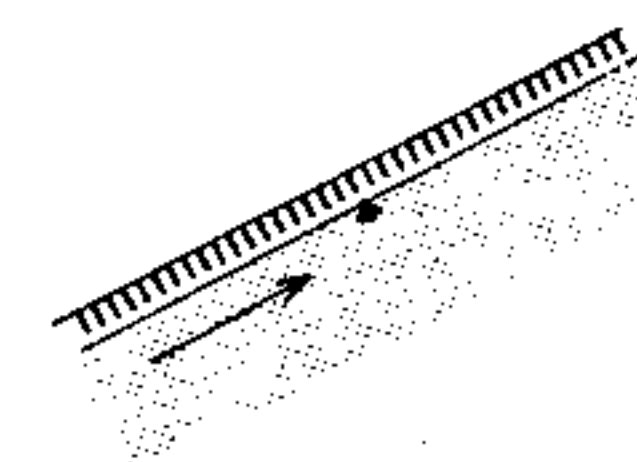
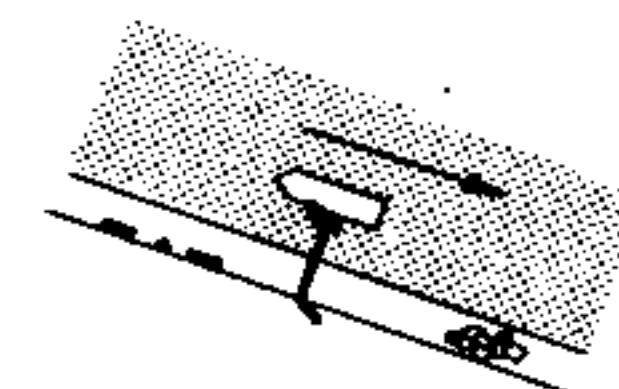
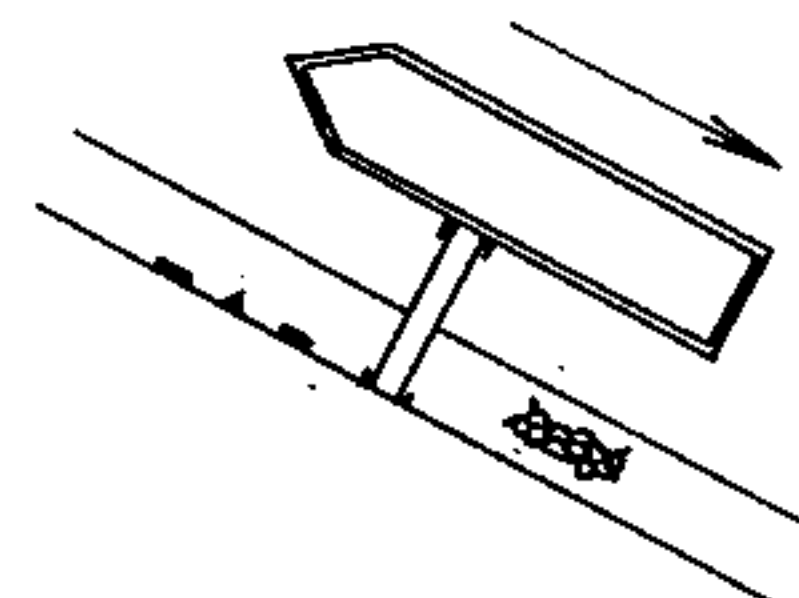


94. Svjetionik na objektu



Isti znak kao 93

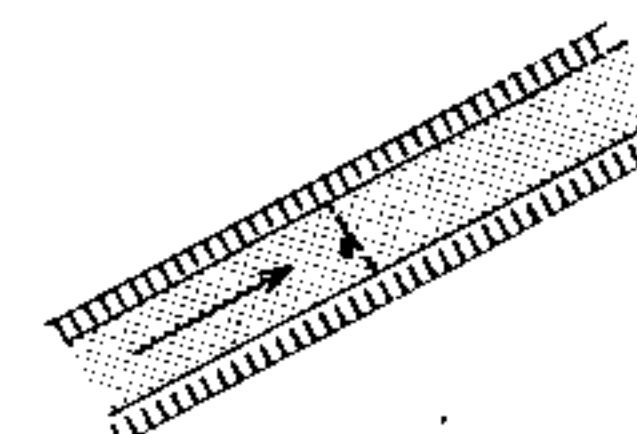
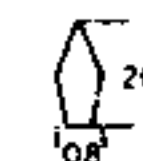
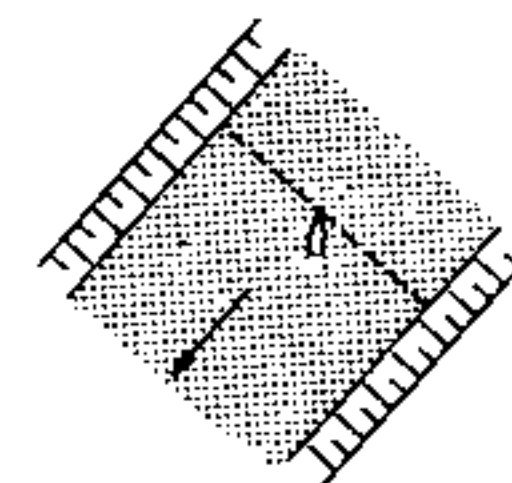
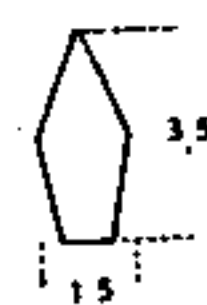
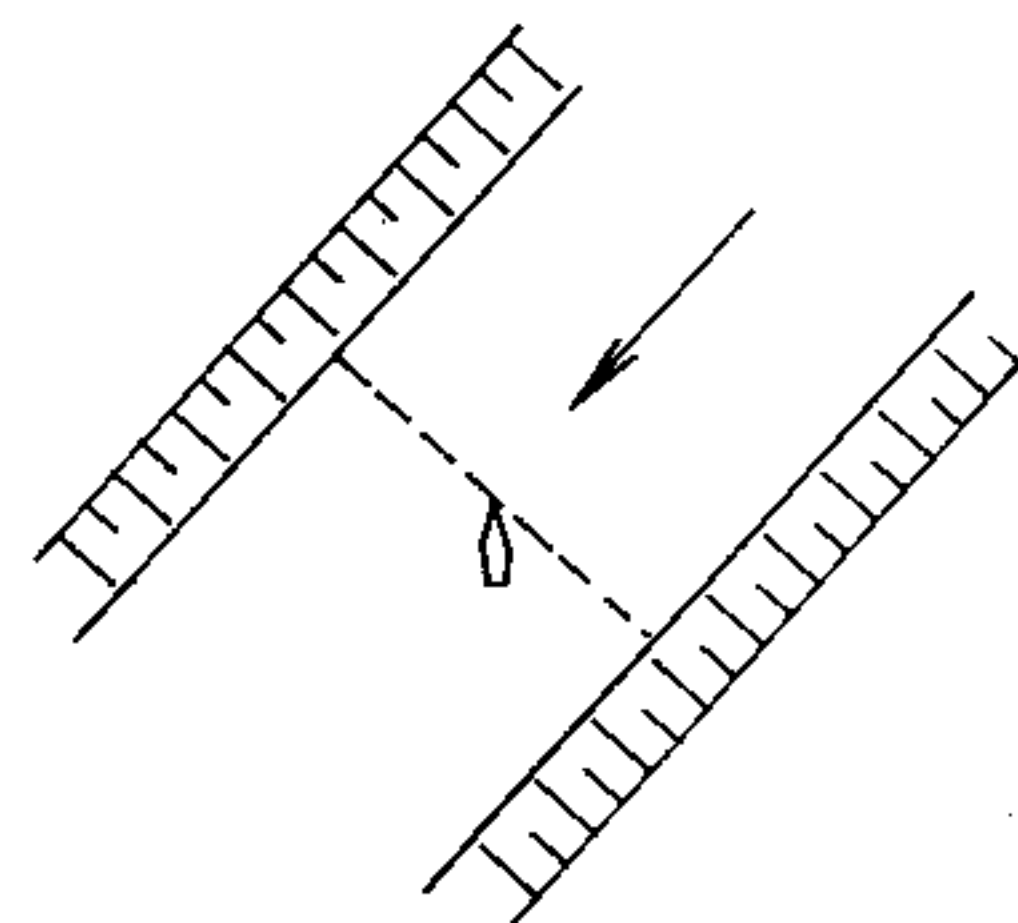
95. Riječno pristanište za brodove



0.25 0.6
1.0

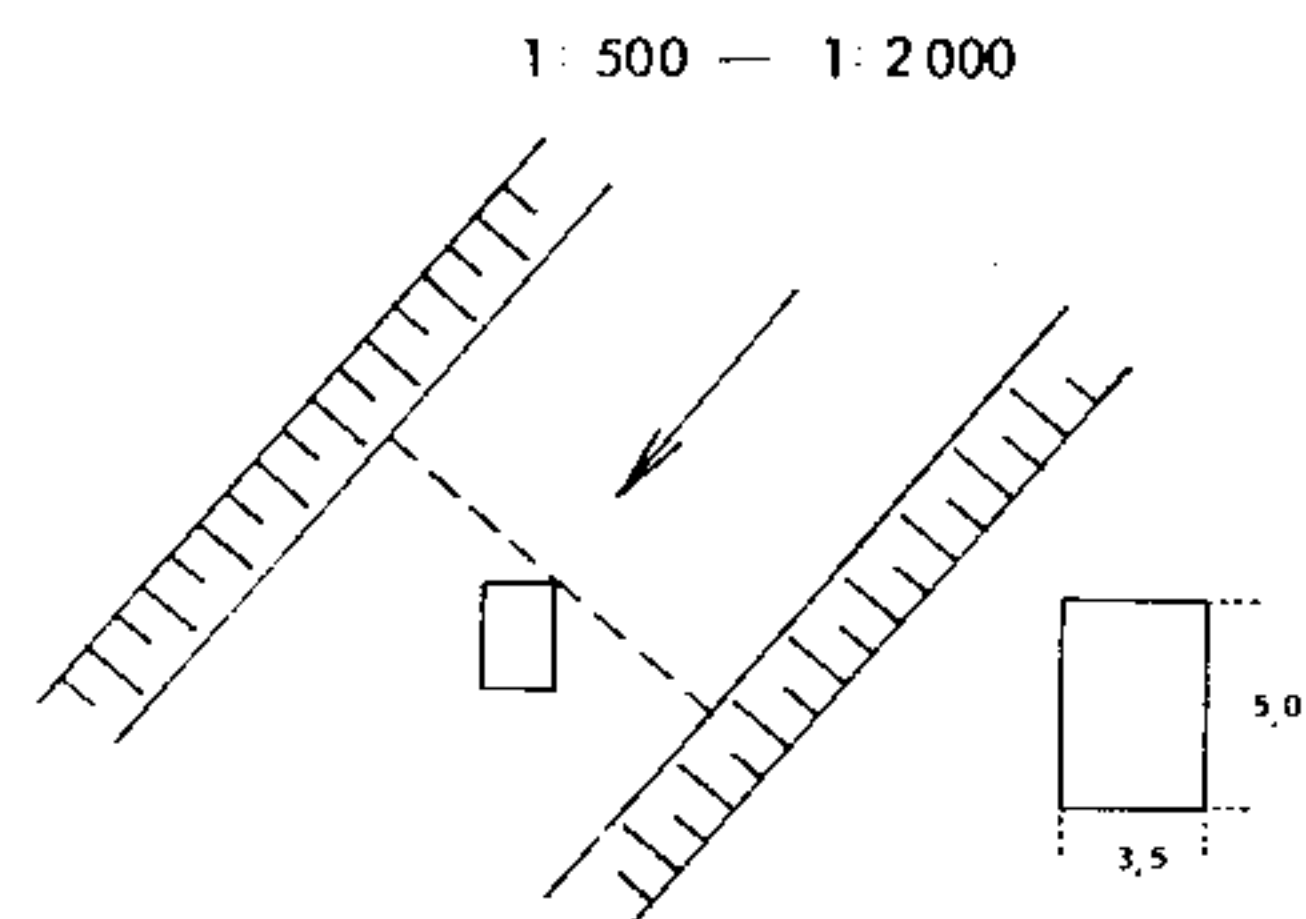
Ad 95-97 Crtež znaka mora odgovarati naravnom izgledu predmeta, ako to dozvoljava mjerilo plana i karte.

96. Skela za pješake

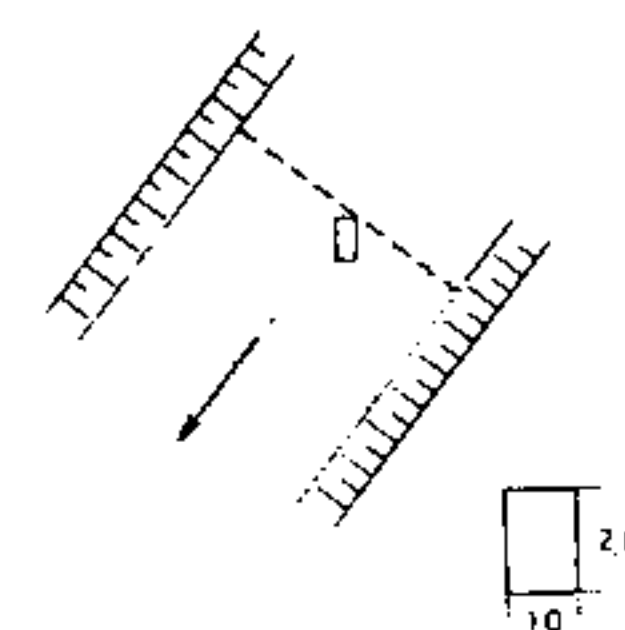


0.8 2.0
0.4

97. Skela za vozila



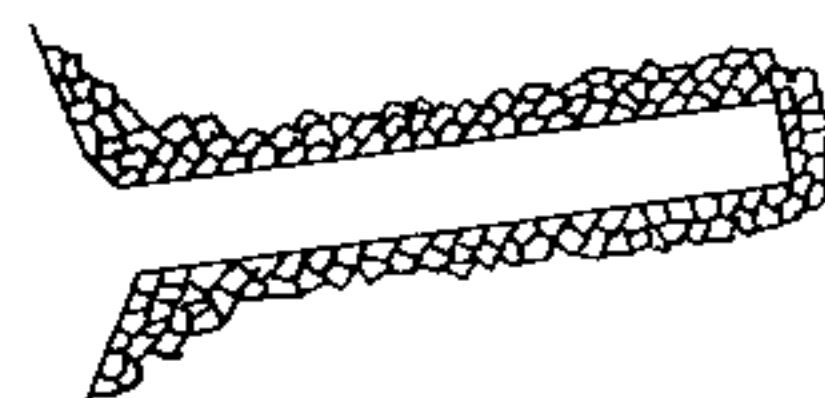
1:5000 — 1:10000



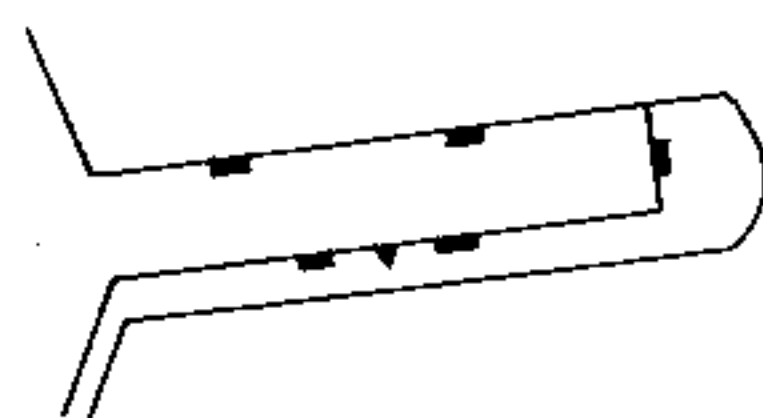
1:20000 — 1:25000

Isti znak kao 96

98. Molo, gat, valobran, od kamenog nabačaja

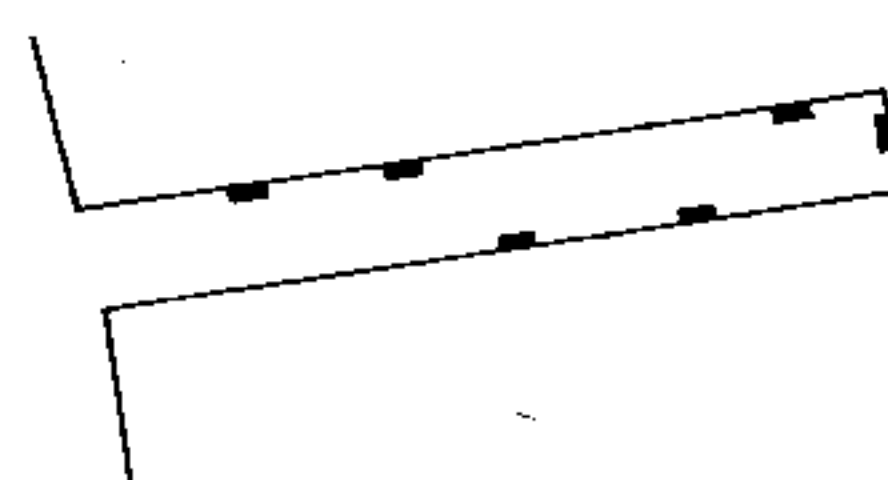


99. Kosi molo, gat, valobran, od kamena ili betona



Isti znak kao 98

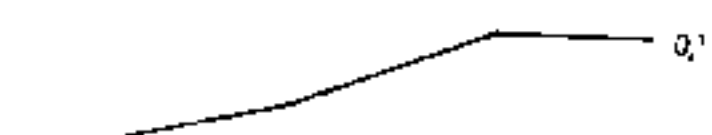
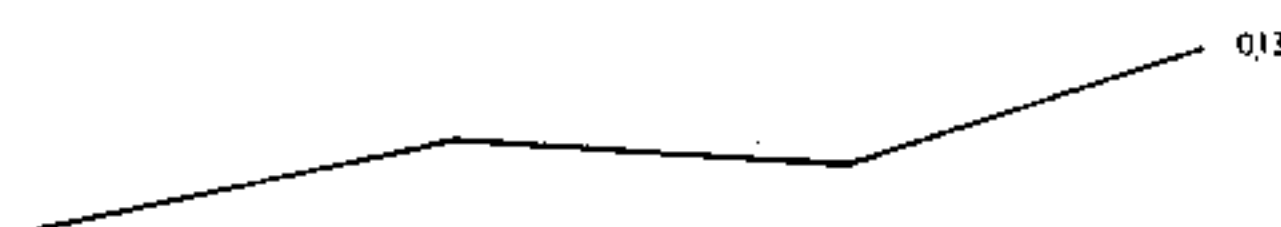
100. Okomiti molo, gat, valobran, od kamena ili betona



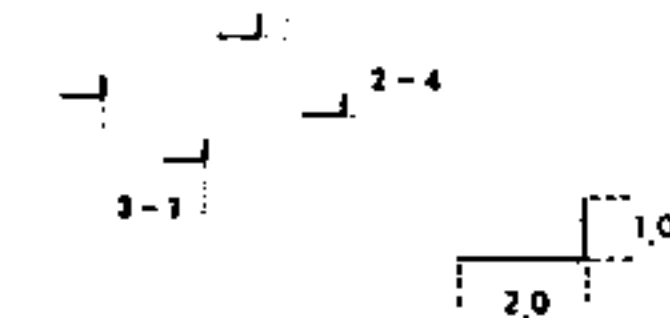
Isti znak kao 98

IV Kulture na zemljištu

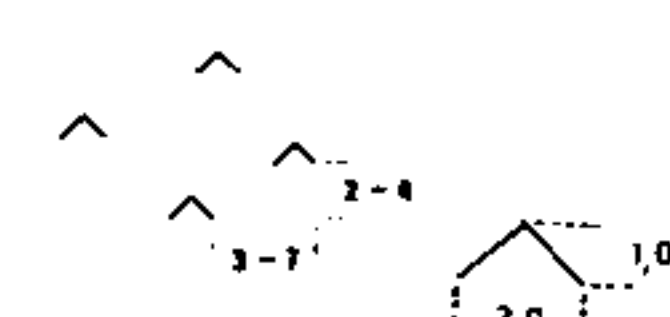
101. Granica kulture



102. Oranica

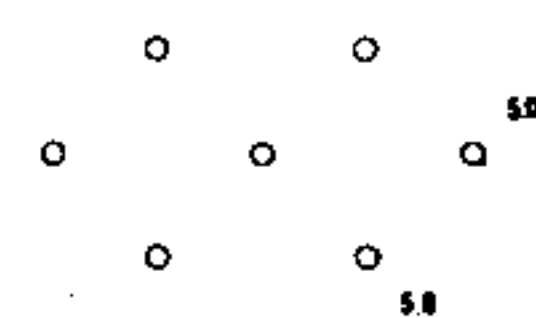


103. Vrt



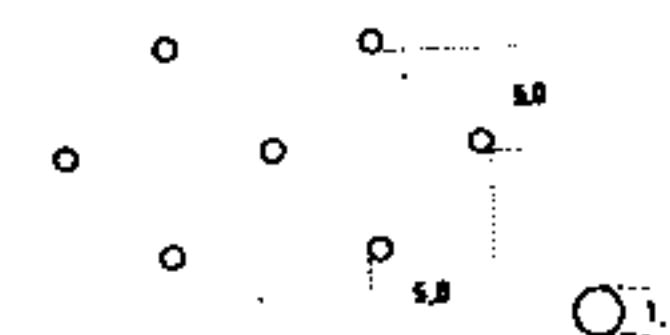
Ad 102-113 Znak za oranicu primjenjuje se samo kod mješovitih kultura.
Na topografsko-katastarskom planu znak se ne crta.
Na karti se crta mjestimično u grupama.

104. Voćnjak



1,0

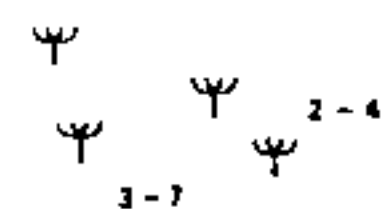
1:5 000 — 1:10 000



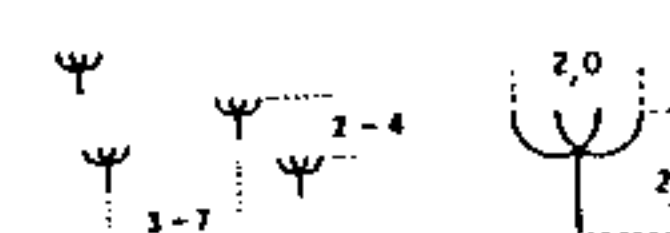
1:20 000 — 1:25 000



105. Maslinik

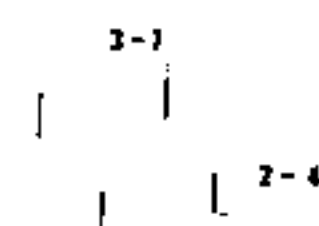


2,0
2,0

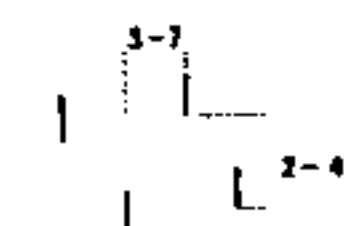


Isti znak kao 104

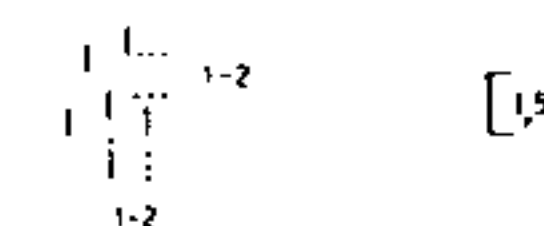
106. Vinograd



2,0

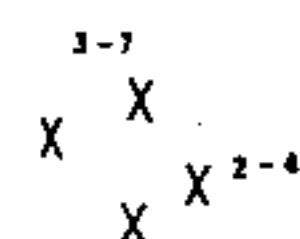


2,0

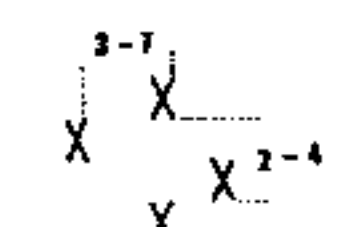


1,5

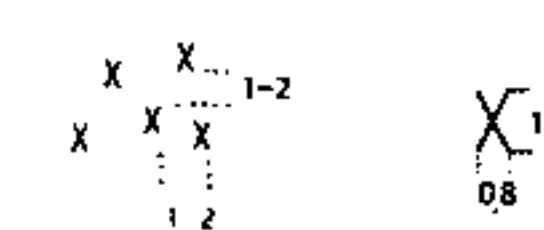
107. Hmeljište



2,0
1,0

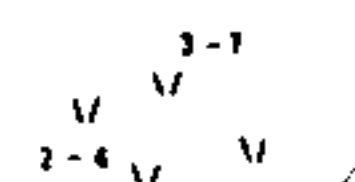


2,0
1,0

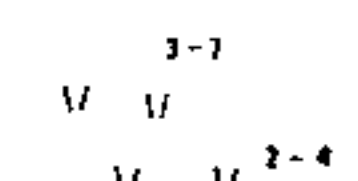


1,5
0,8

108. Livada

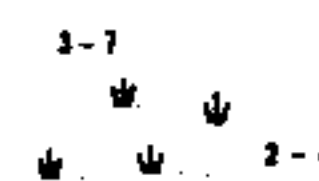


1,2
1,2
0,7

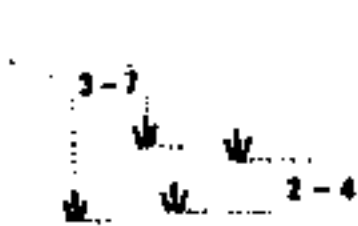


1,2
1,2
0,7

109. Pašnjak



1,5
0,6

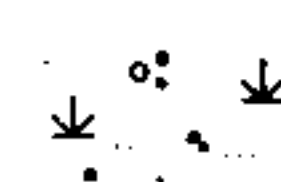


1,5
0,6



1,0

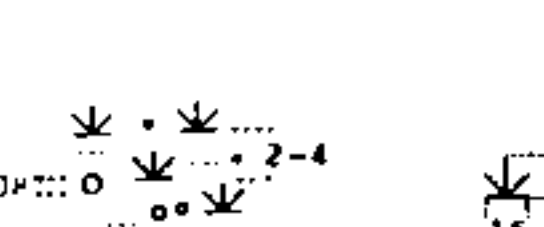
110. Šikara, grmlje



2,0
2,0



2,0
2,0



1,5

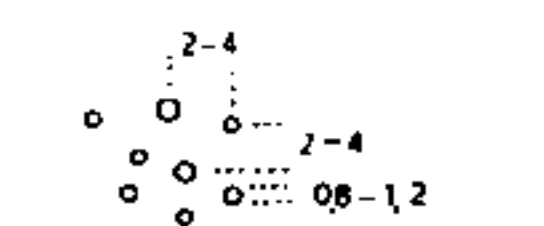
111. Bjelogorična šuma



10-1,5

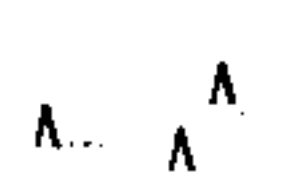


0,8-1,2

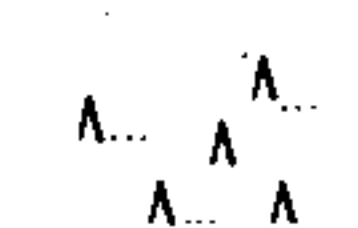


0,8-1,2

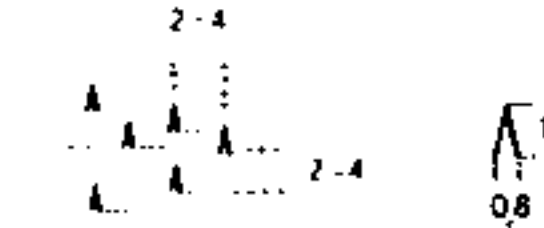
112. Crnogorična šuma



2,0
1,0

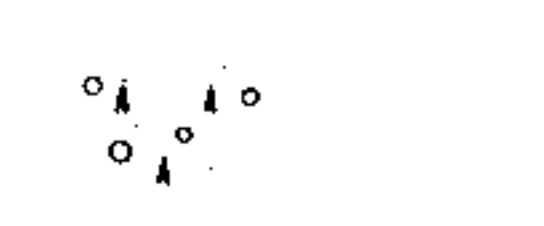
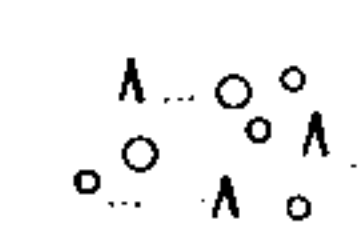
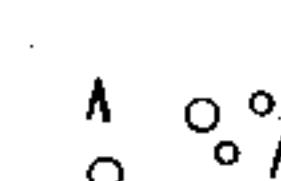


2,0
1,0

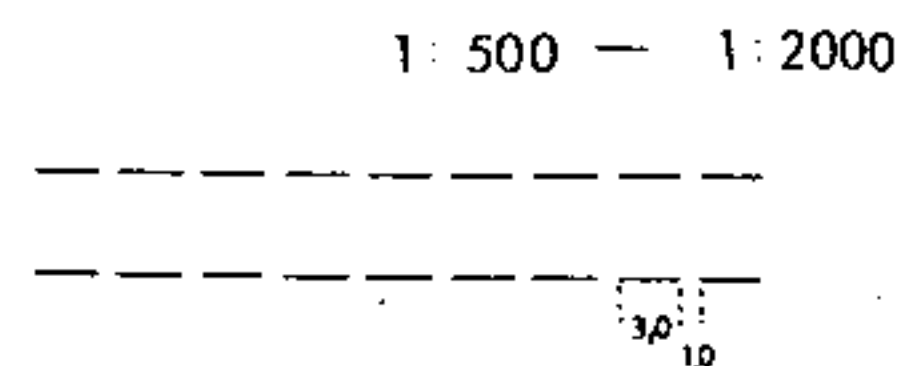


1,5
0,8

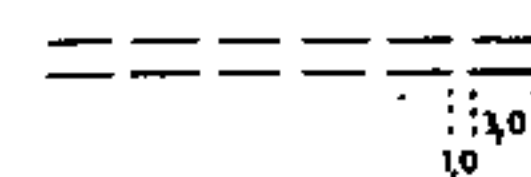
113. Mješovita šuma



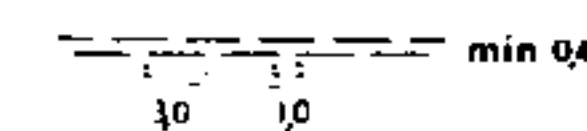
114. Šumska prosjeka



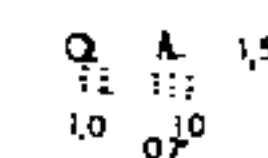
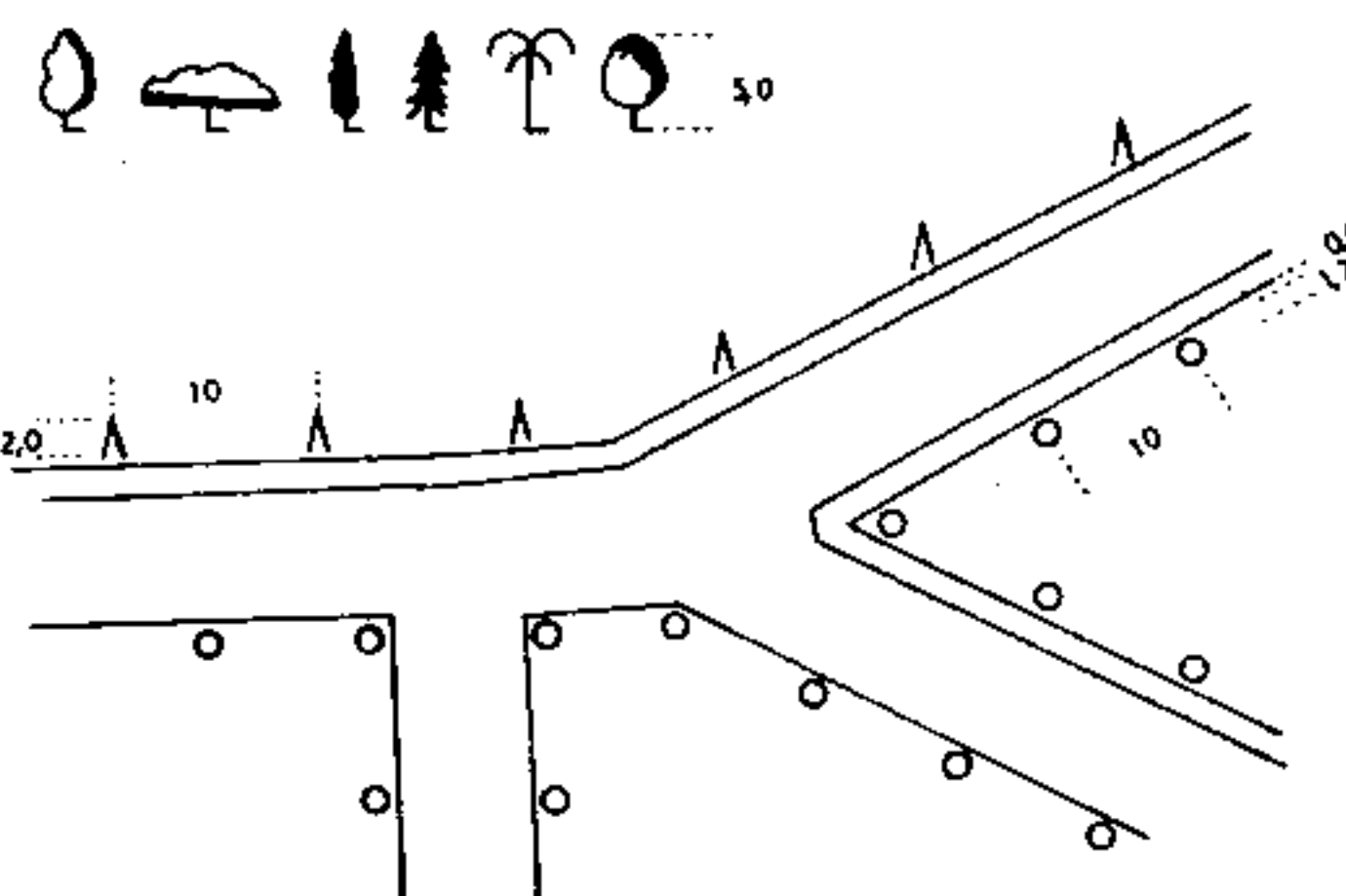
1:5 000 — 1:10 000



1:20 000 — 1:25 000

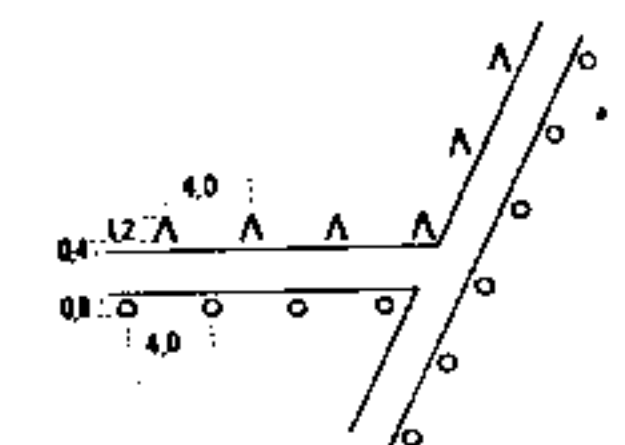
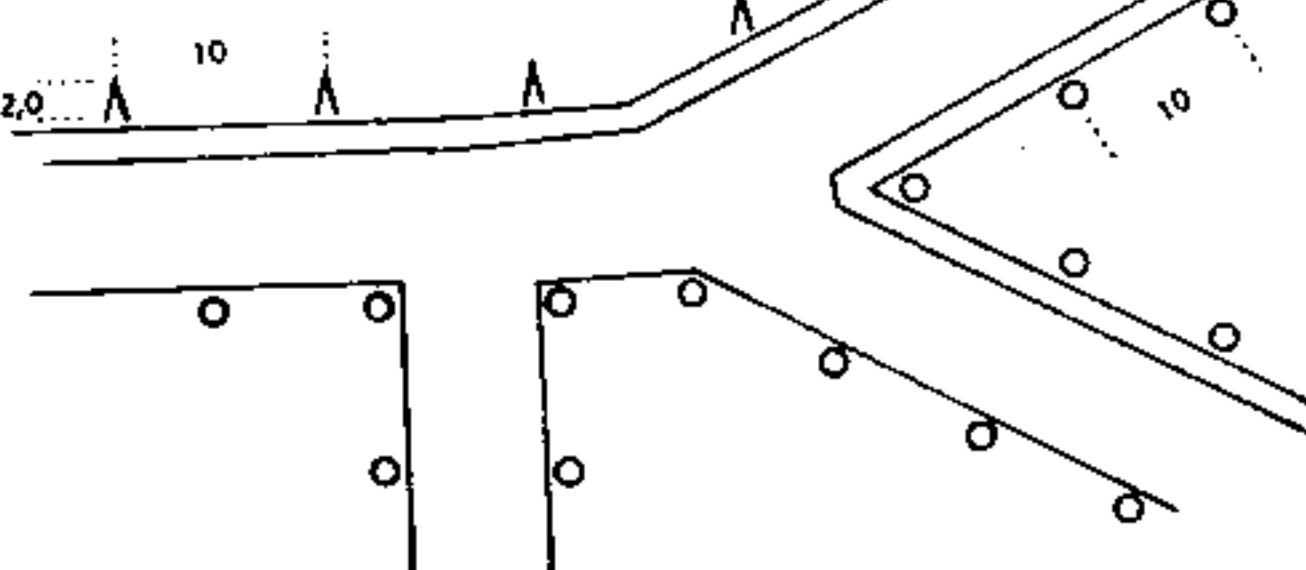


115. Markantno, usamljeno drvo



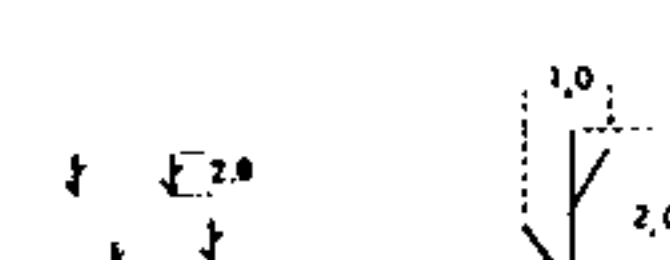
Ad 115 Crtaj znak mora odgovarati naravnom izgledu stabla.

116. Primjer crtanja drvoreda



Ad 116. Na topografsko-katastarskom planu znak se ne crta.

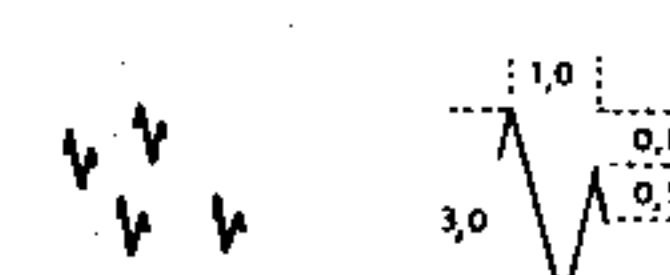
117. Rižište



Isti znak kao 119

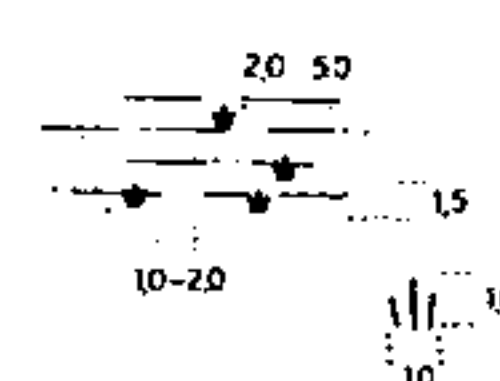
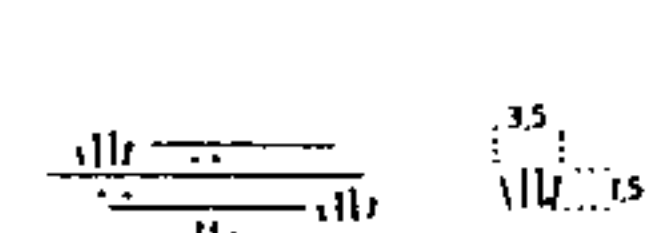
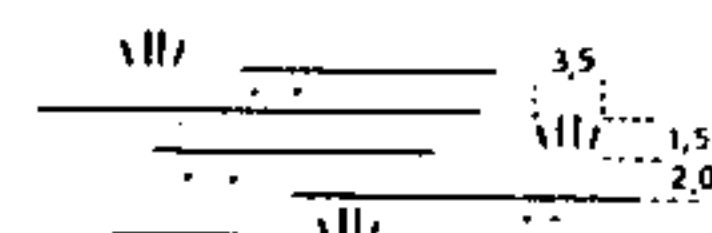
Ad 117-122 Na topografsko-katastarskom planu znak se ne crta. Na karti znak se crta mjestimično u grupama.

118. Trstik

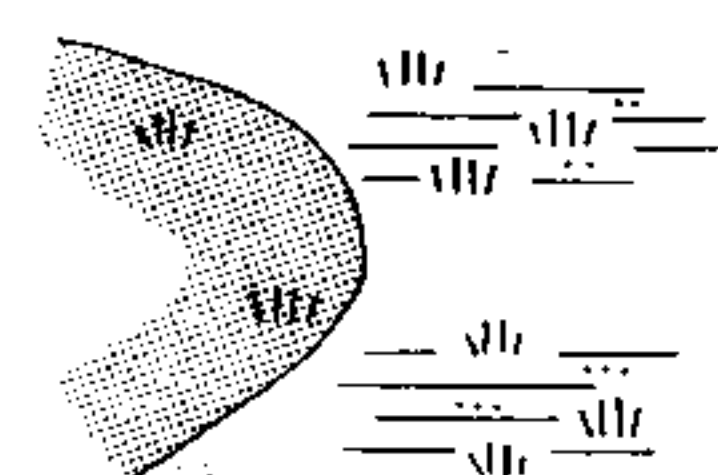
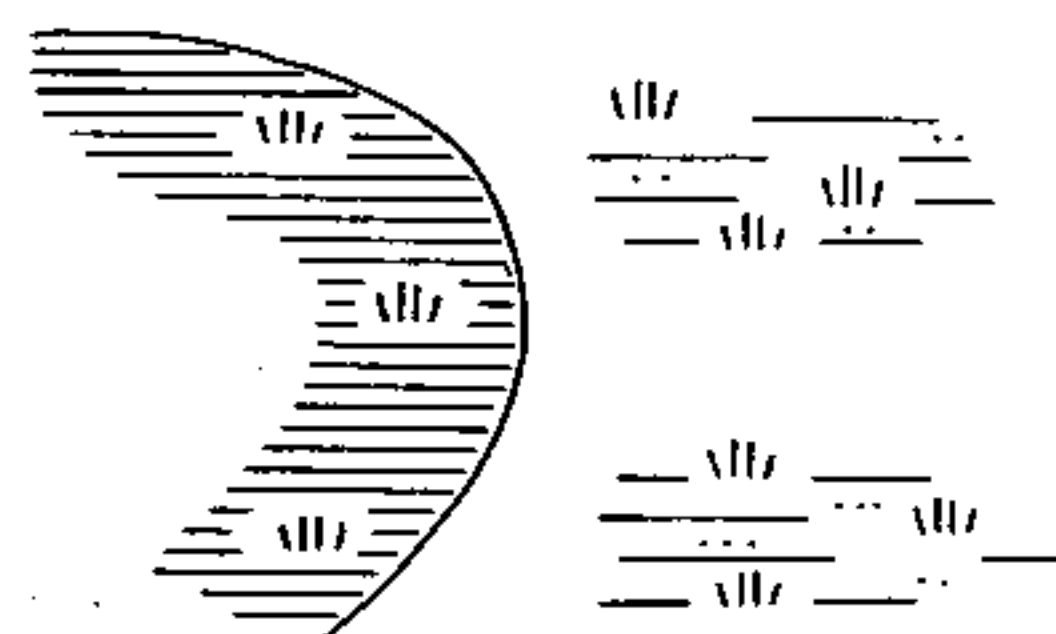


Isti znak kao 119

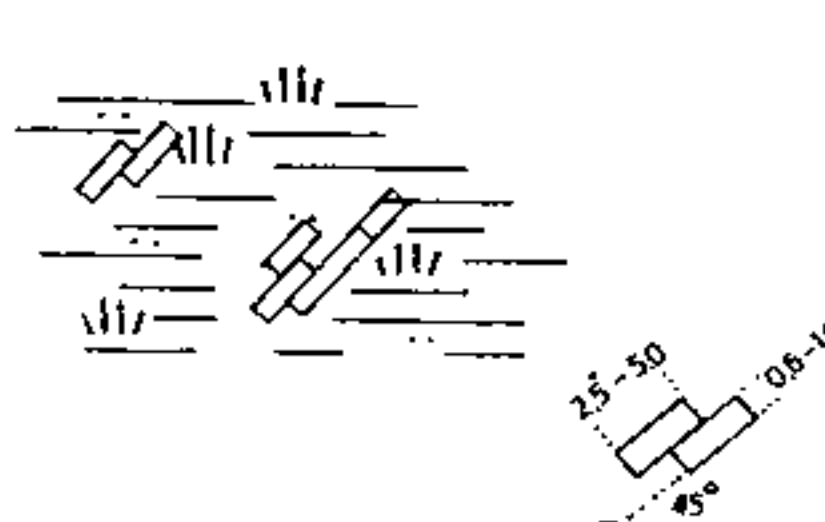
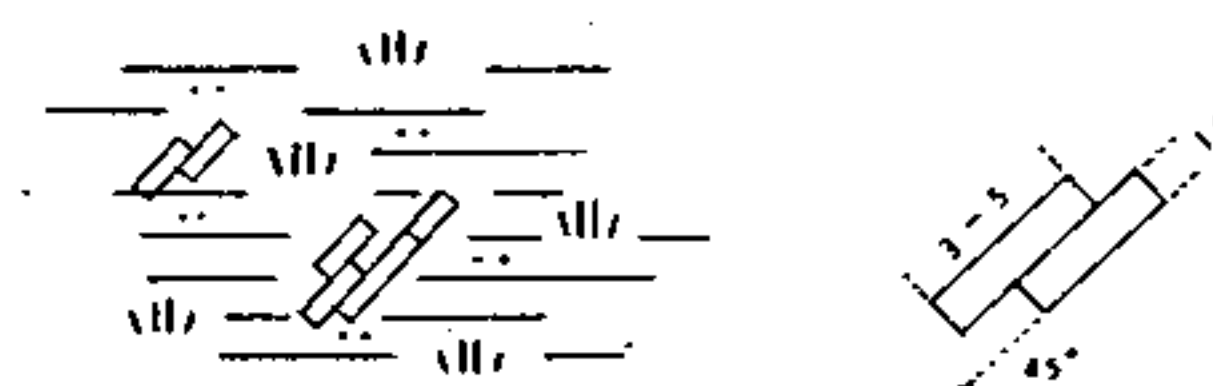
119. Močvarno zemljište



120. Primjer crtanja močvarnog zemljišta s barom



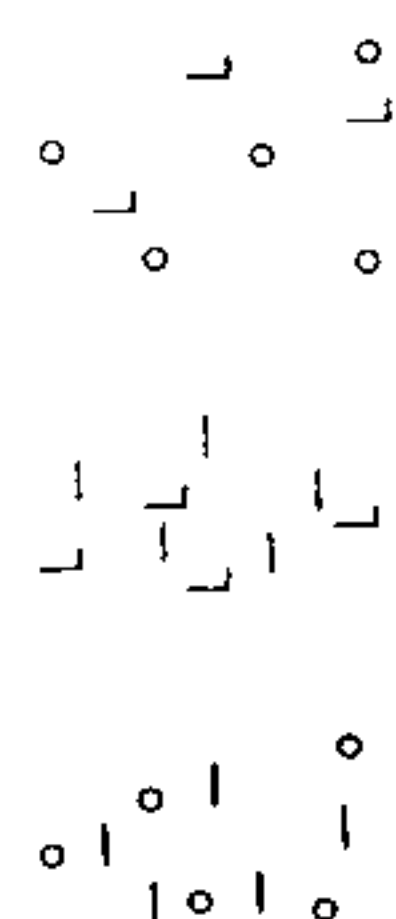
121. Tresetište



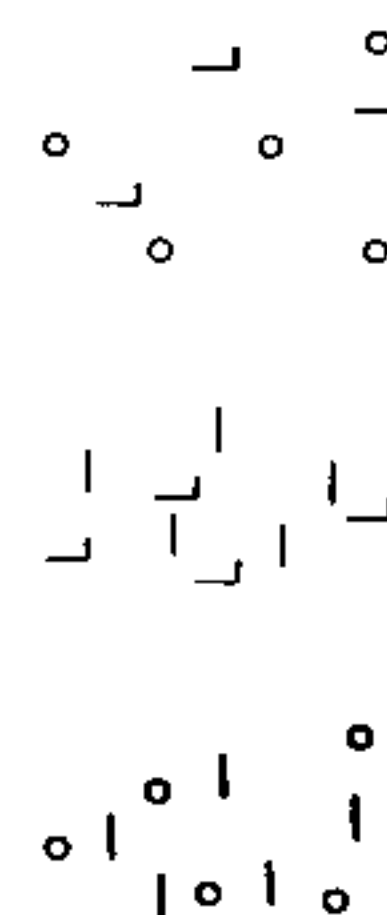
Isti znak kao 119

122. Primjer crtanja
mješovitih kultura

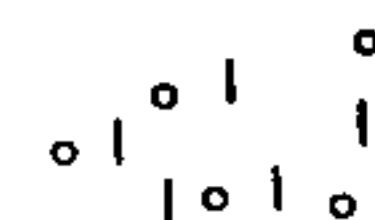
1:500 — 1:2000



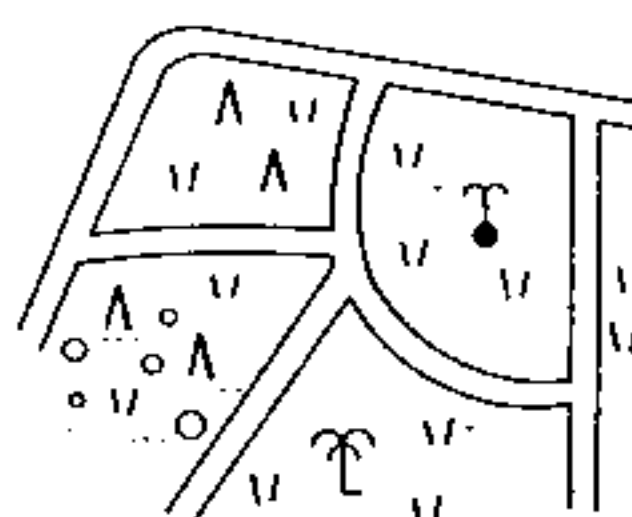
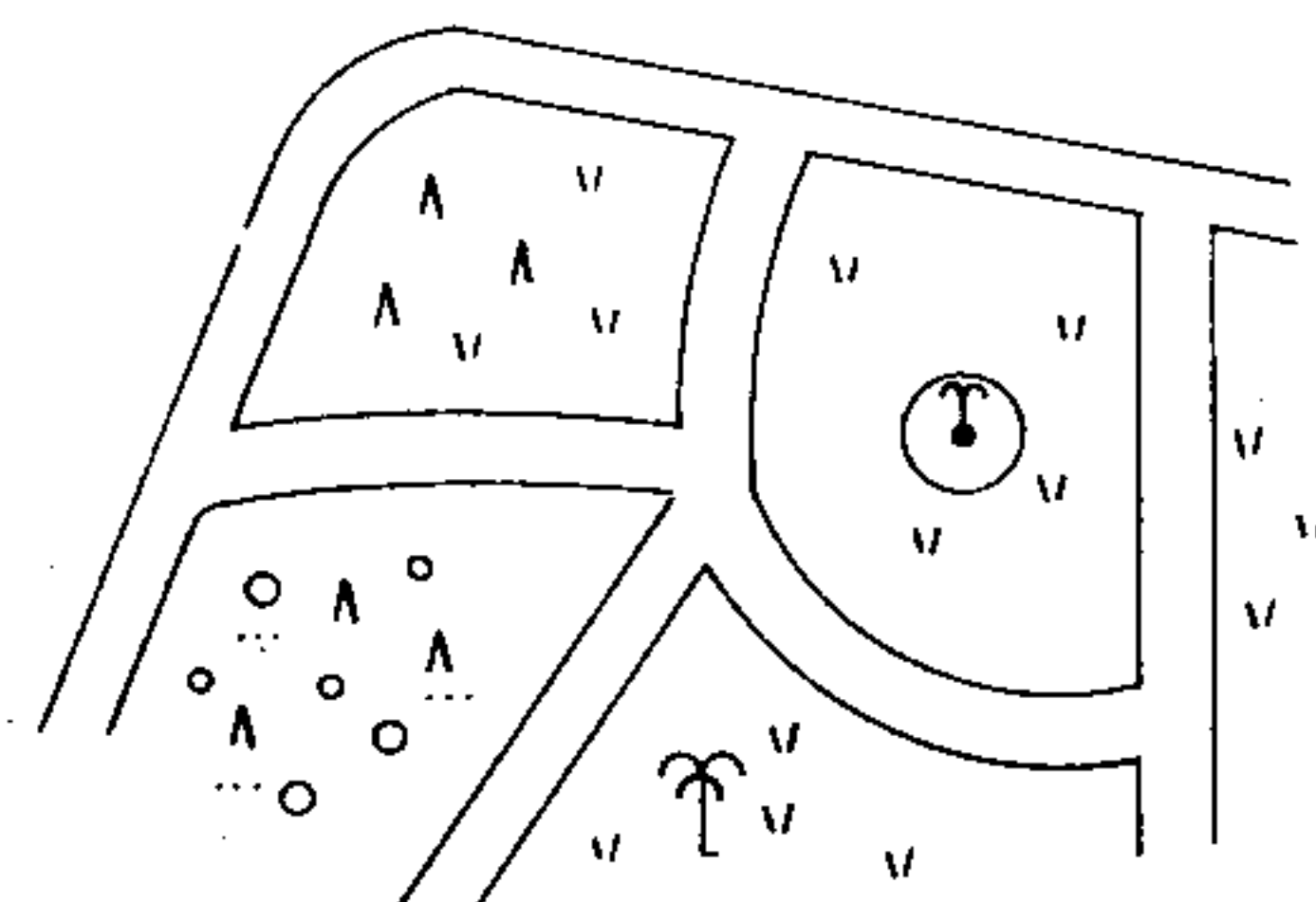
1:5 000 — 1:10 000



1:20 000 — 1:25 000



123. Primjer crtanja parka

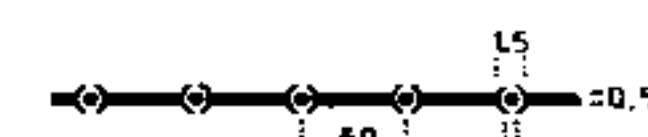
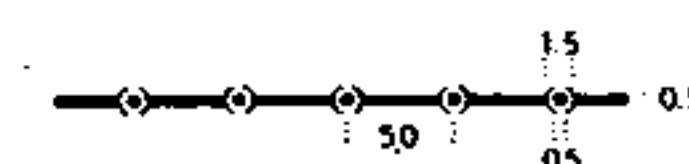


Ad 123. Svako snimljeno drvo crta se prema znaku 115

V Granične linije i oznake

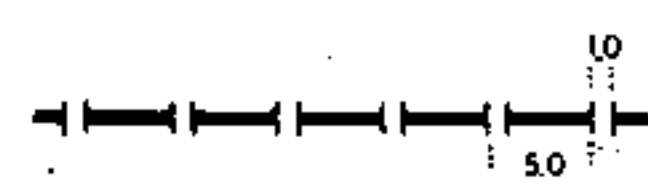
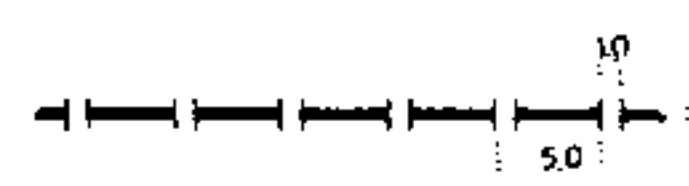
a) Granične linije

124. Državna granica

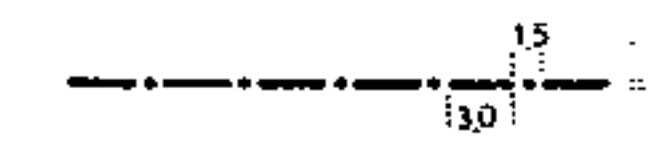
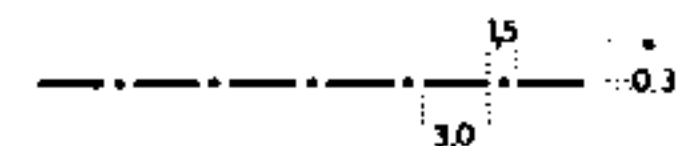
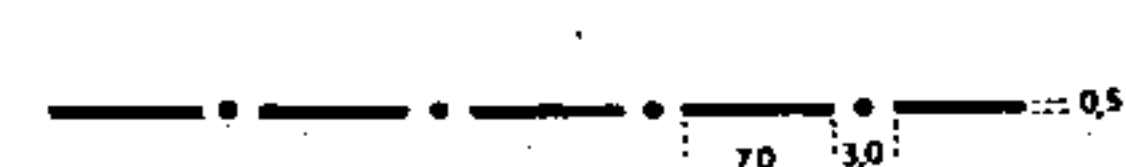


Ad 124-127 Znak se crta sa prekidima do 200 mm.

125. Republička granica



126. Granica općine

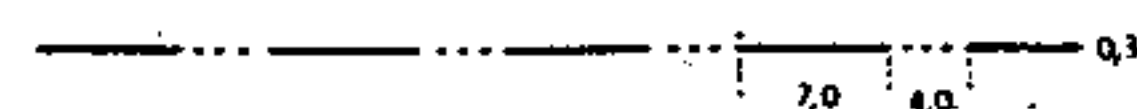


1: 500 — 1: 2 000

1: 5 000 — 1: 10 000

1: 20 000 — 1: 25 000

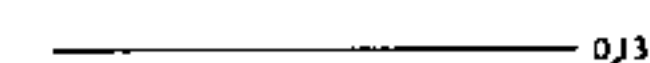
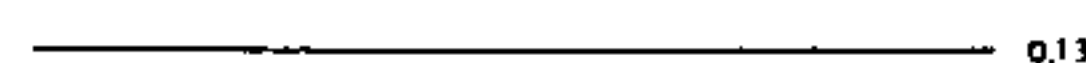
127. Granica katastarske općine



Ad 127

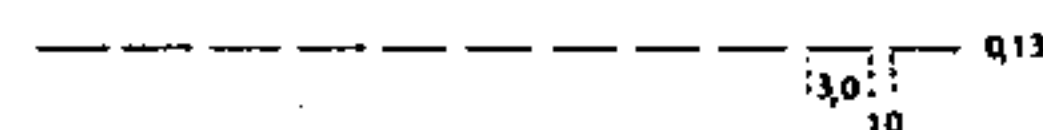
Na skici granica katastarske općine crta se zelenom linijom debljine 0,5 mm, a granica rudine žutom linijom debljine 0,5 mm.

128. Granica korištenja zemljišta



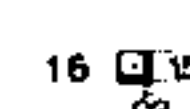
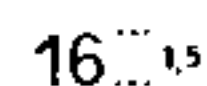
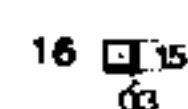
Ad 128-129 Na skici crta se linijom debljine 0,3-0,5 mm.

129. Granica korištenja zemljišta sporna

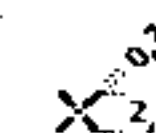
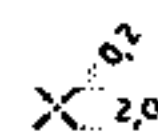


b) Granične oznake za državnu i republičku granicu
te granice općine i katastarske općine

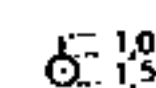
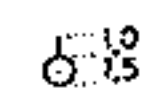
130. Kameni ili betonski stup



131. Željezni klin ili križ u stijeni



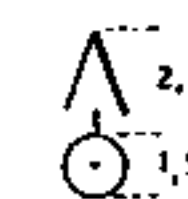
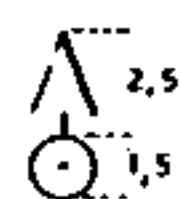
132. Drveni stup



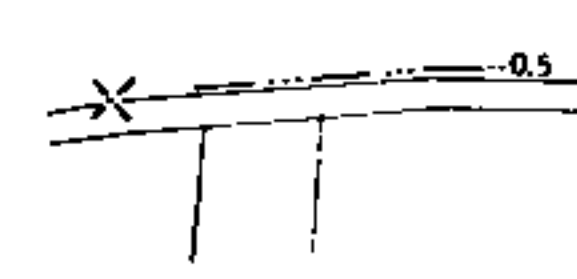
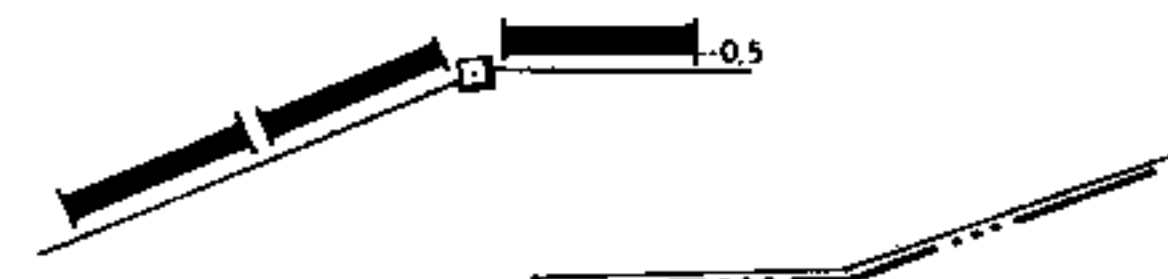
133. Humka od zemlje ili kamena



134. Usamljeno drvo

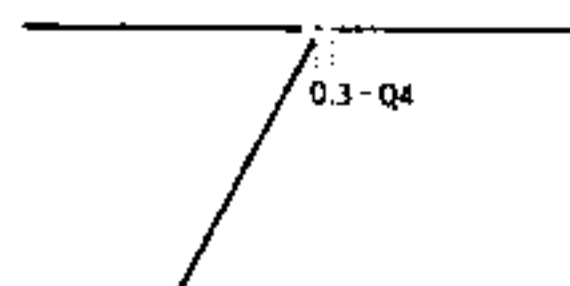


135. Primjer crtanja granica s oznakama.



c) Granične oznake korištenja zemljišta

136. Stabilizirana točka



137. Točka stabilizirana betonskim stupom



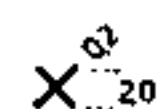
138. Točka stabilizirana prirodnim kamenom



139. Točka stabilizirana drvenim kolcem



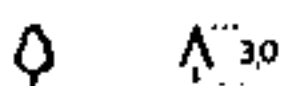
140. Točka stabilizirana željeznim klinom ili križom u stijeni



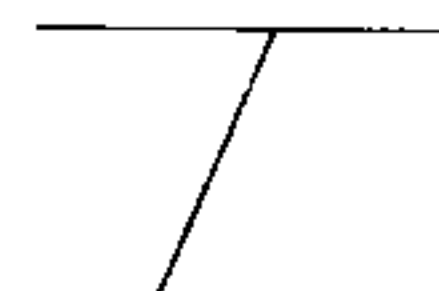
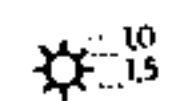
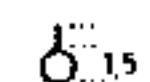
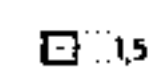
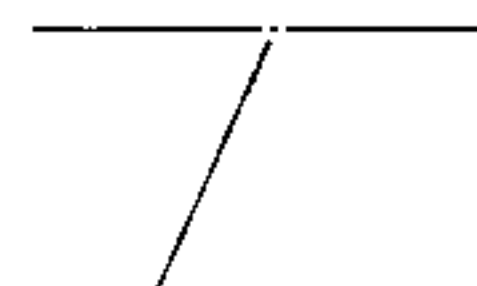
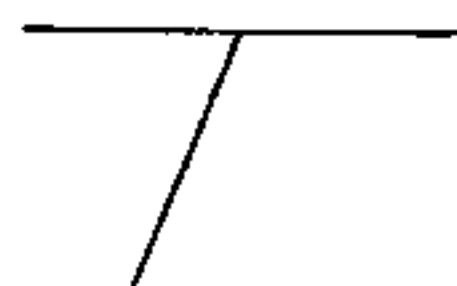
141. Točka stabilizirana humkom od zemlje ili kamena



142. Drvo kao granični znak

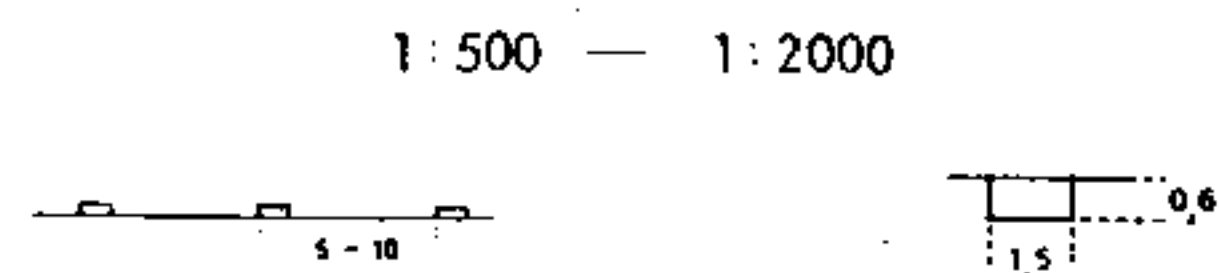


143. Nestabilizirana točka

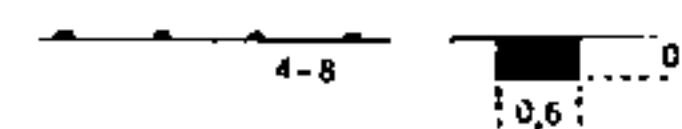


Ad 137-142 Crti se samo na skici.

144. Kameni i betonski zid

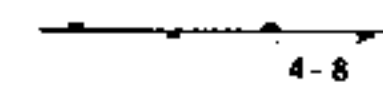
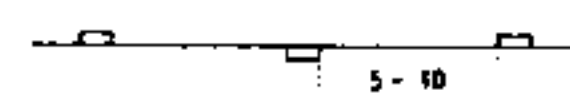


1:5 000 — 1:10 000 1:20 000 — 1:25 000

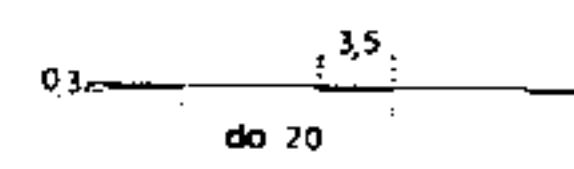
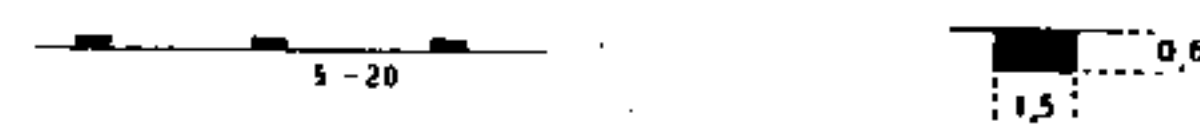


Ad 144 Znak se crta na strani korisnika zemljišta kome pripada zid.

145. Kameni i betonski zid dvaju korisnika

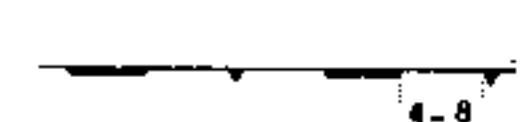


146. Okomiti potporni zid od kamena ili betona



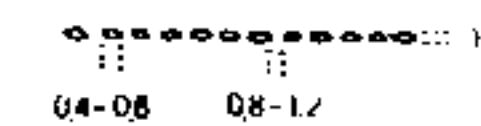
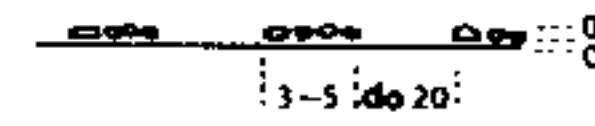
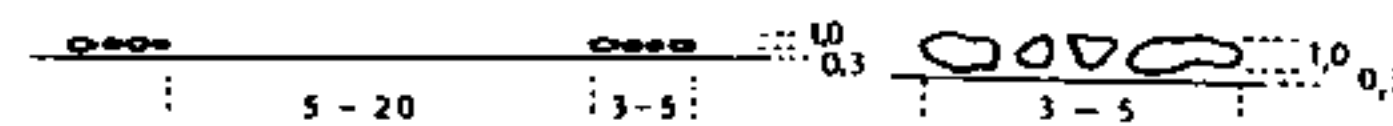
Ad 146 Znak se crta na strani korisnika zemljišta kome pripada zid.

147. Kosi potporni zid od kamena ili betona



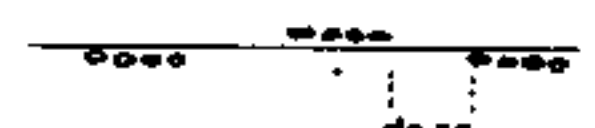
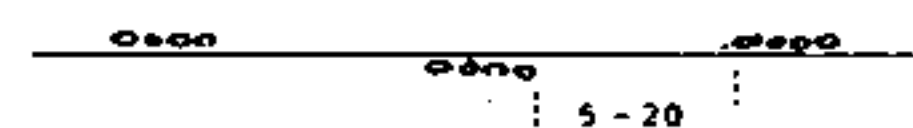
Isti znak kao 146

148. Suhi zid do 1 mm širine na planu i karti



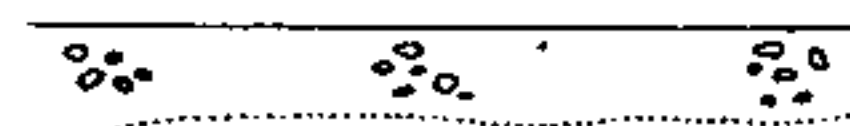
Ad 148 Znak se crta na strani korisnika zemljišta kome pripada zid.

149. Suhi zid dvaju korisnika do 1 mm širine na planu i karti



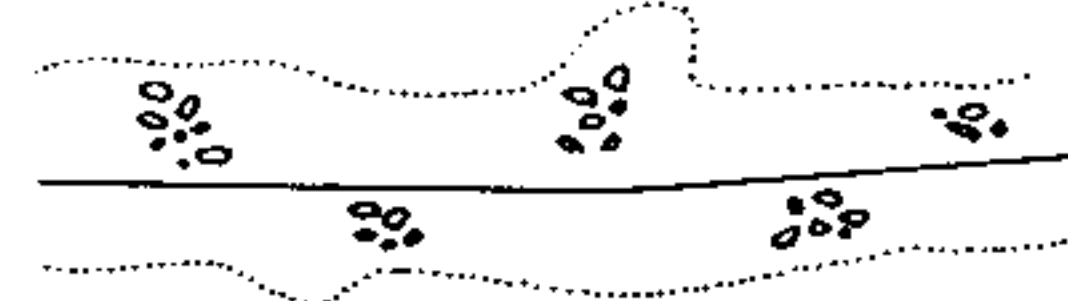
Isti znak kao 148

150. Suhi zid širi od 1 mm na planu i karti

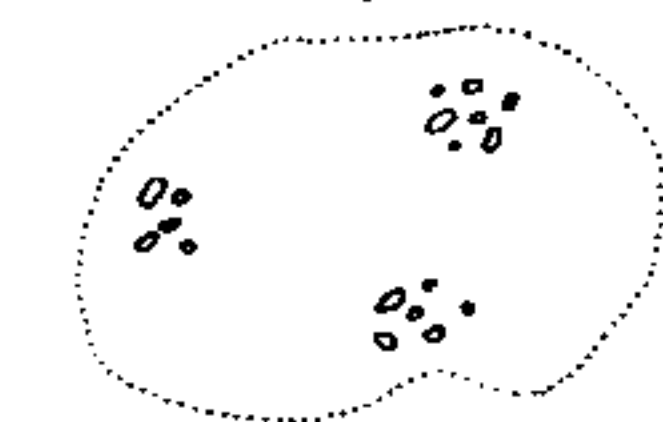


Ad 150 Znak se crta na strani korisnika zemljišta kome pripada zid.

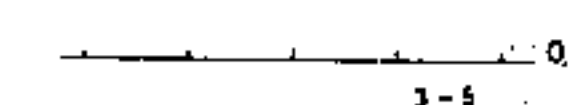
151. Suhi zid dvaju korisnika širi od 1 mm na planu i karti



152. Gromača, nabačaj kamena



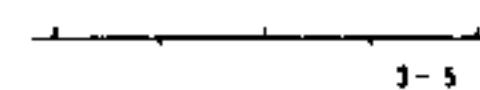
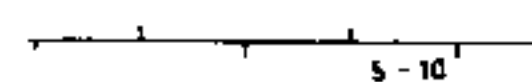
153. Drvena ograda



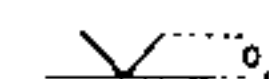
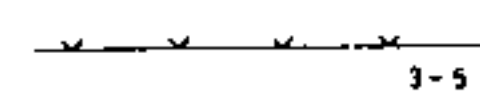
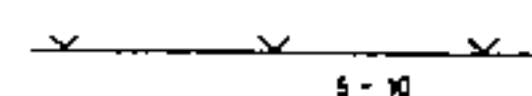
Ad 153 Znak se crta na strani korisnika zemljišta kome pripada ograda.

1: 500 — 1: 2 000 1: 5 000 — 1: 10 000 1: 20 000 — 1: 25 000

154. Drvena ograda dvaju korisnika

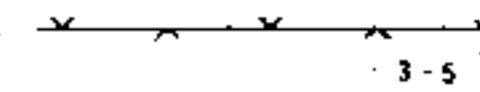
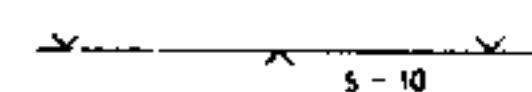


155. Žičana ograda

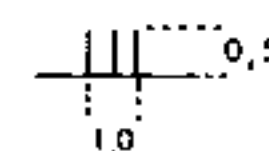
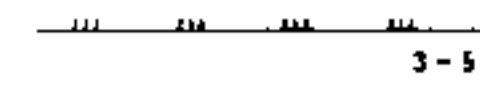
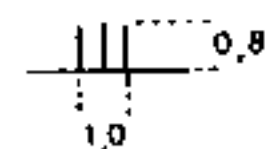
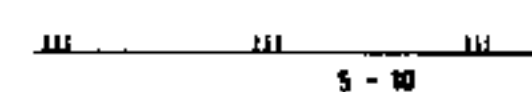


Ad 155 Znak se crta na strani korisnika zemljišta kome pripada ograda.

156. Žičana ograda dvaju korisnika

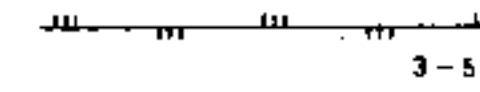
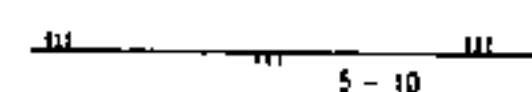


157. Željezna ograda

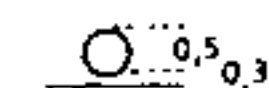
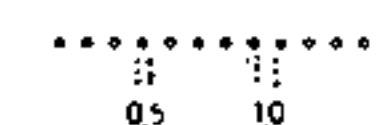
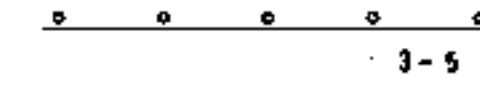
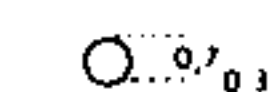
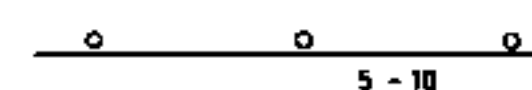


Ad 157 Znak se crta na strani korisnika zemljišta kome pripada ograda.

158. Željezna ograda dvaju korisnika

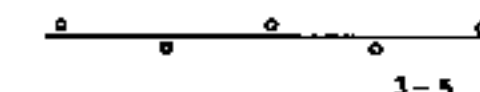
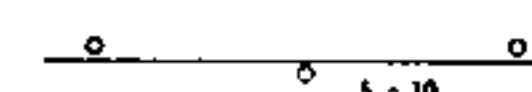


159. Živica, živa ograda

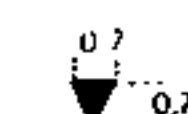
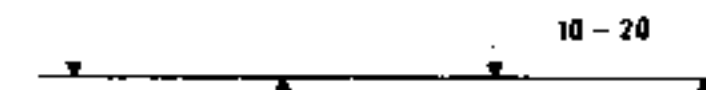
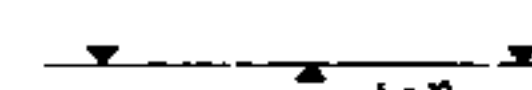


Ad 159 Znak se crta na strani korisnika zemljišta kome pripada ograda.

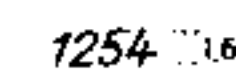
160. Živica, živa ograda, dvaju korisnika



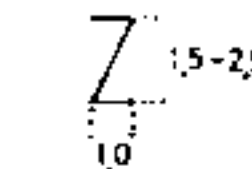
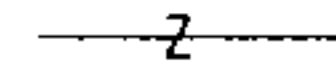
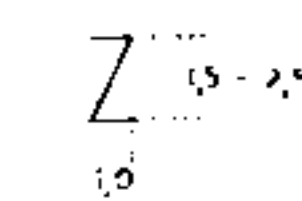
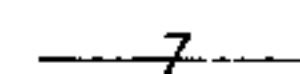
161. Jarak širine do 1 m kao granica korištenja zemljišta



162. Broj parcele



163. Znak pripadnosti



1:5 000 — 1:10 000 1:20 000 — 1:25 000

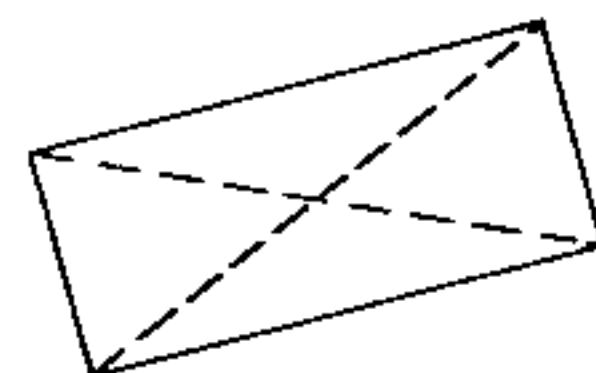
Ad 165-169 Za javne zgrade, industrijske pogone, rudnike, ekonomije i sl. piše se puni naziv ili, u nedostatku prostora, kratica namjene.

166. Industrijska i gospodarska zgrada,
radionica, zatvorena hala i slično

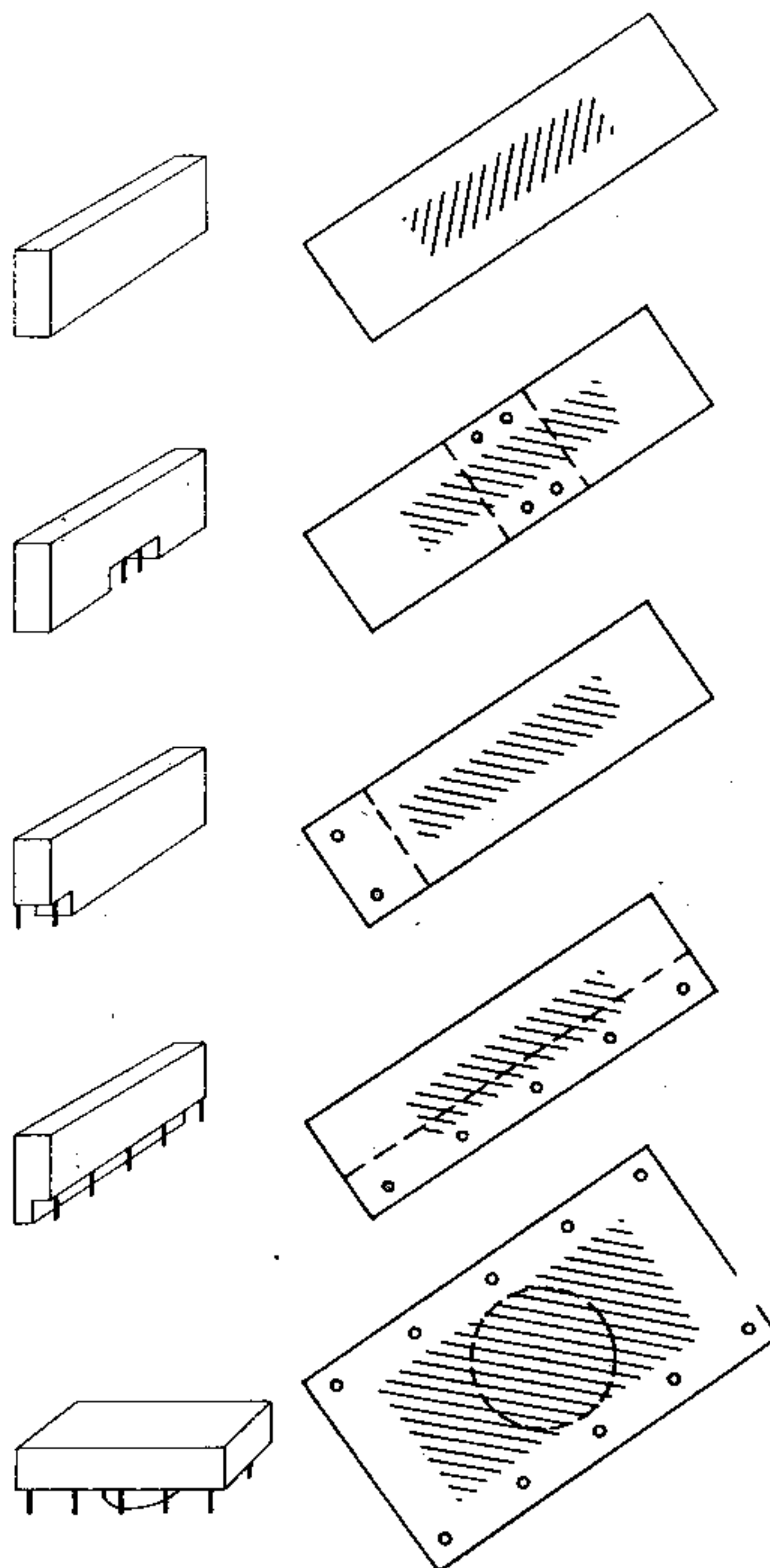
1: 500 — 1: 2 000



167. Otvorena ili djelomično otvorena
hala, skladište, hangar, staklenik i
slično



168. Primjer crtanja raznih tipova
zgrada

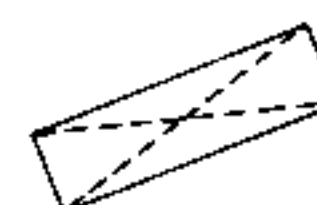


1: 5 000 — 1: 10 000



1: 20 000 — 1: 25 000

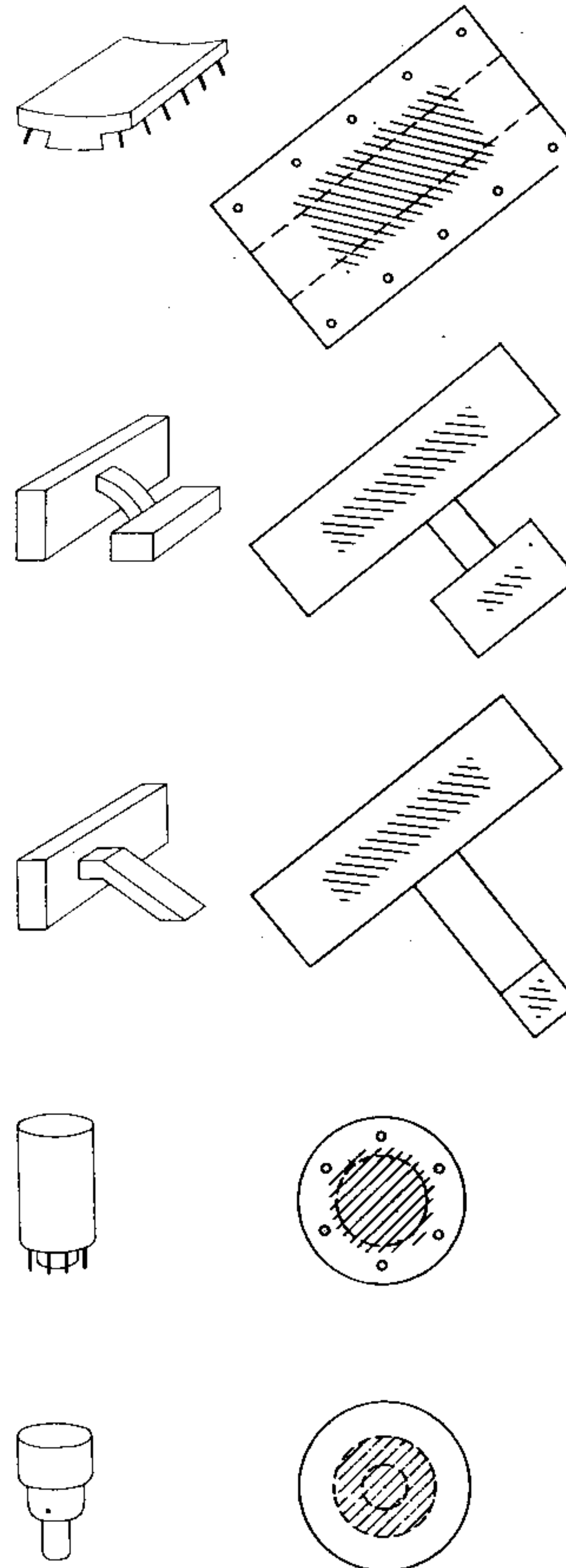
Isti znak kao 165



Isti znak kao 165

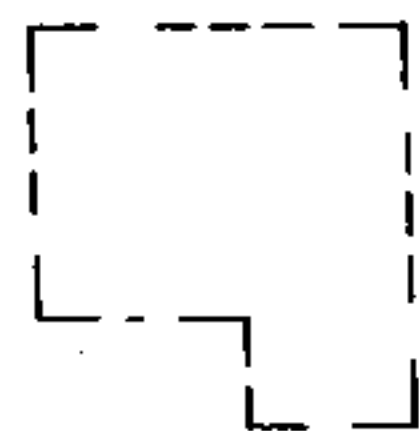
Isti znak kao 165

1:500 — 1:2000

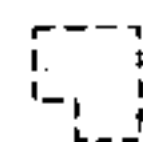


169. Zgrada u gradnji

1: 500 — 1: 2 000

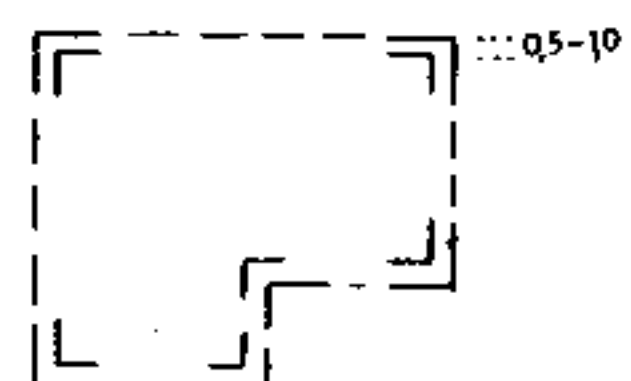


1: 5 000 — 1: 10 000 · 1: 20 000 — 1: 25 000



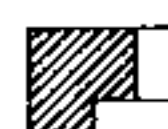
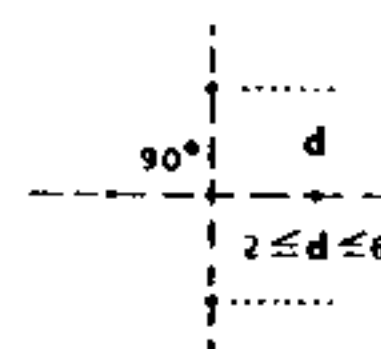
Isti znak kao 165

170. Ruševina, razvalina

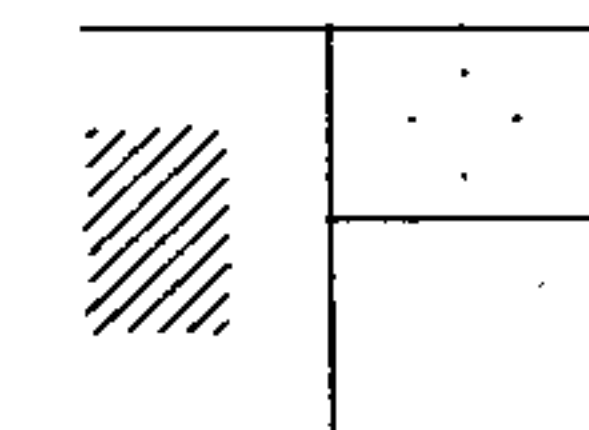


Isti znak kao 165

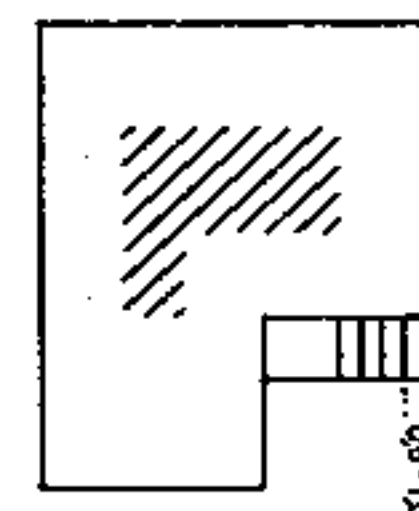
171. Javni zahod



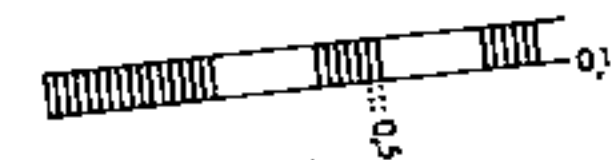
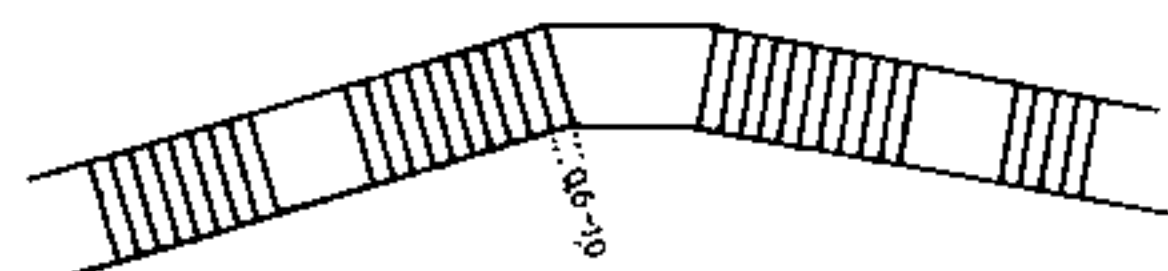
172. Terasa



173. Stepenice uz zgradu



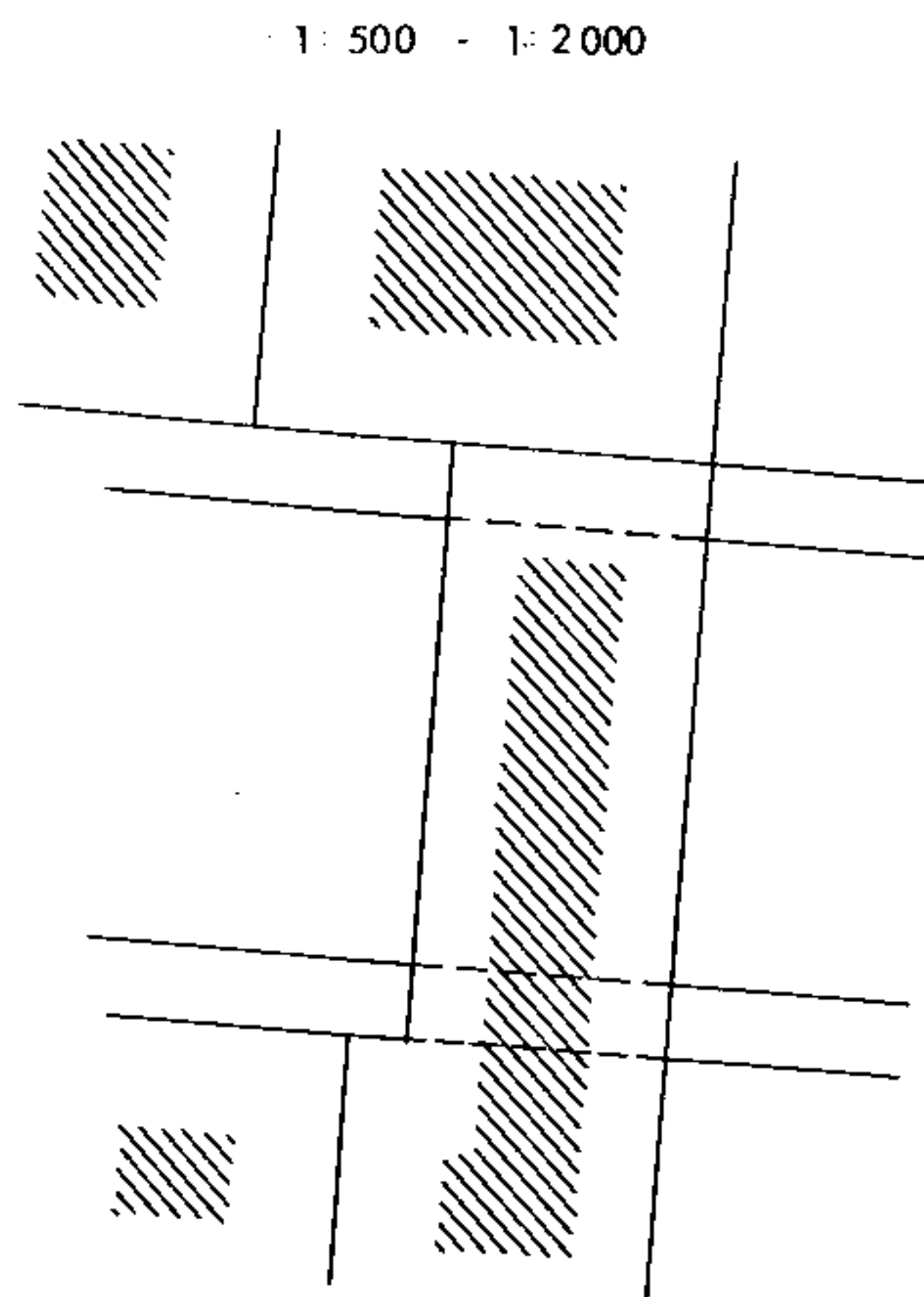
174. Stepenice



175. Pokretne stepenice



176. Prolaz ispod zgrade i podhodnik

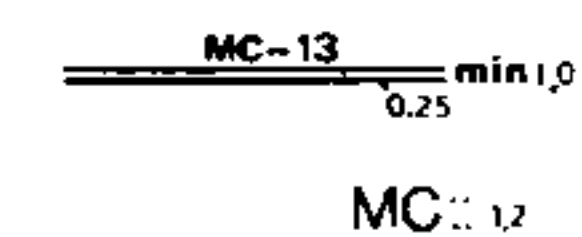
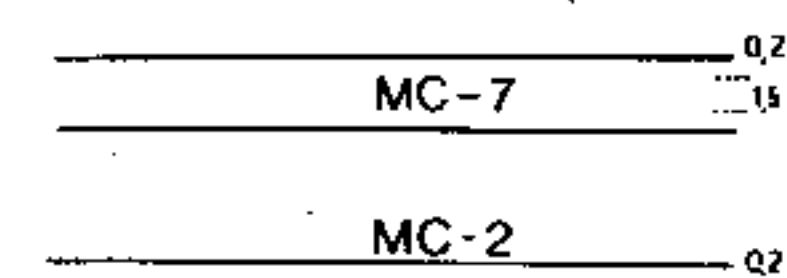


1:5 000 - 1:10 000

1:20 000 - 1:25 000

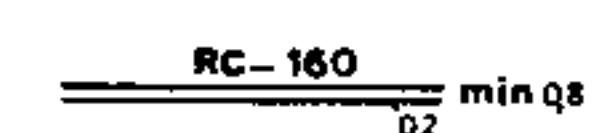
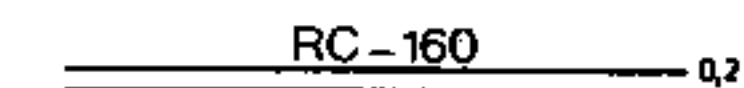
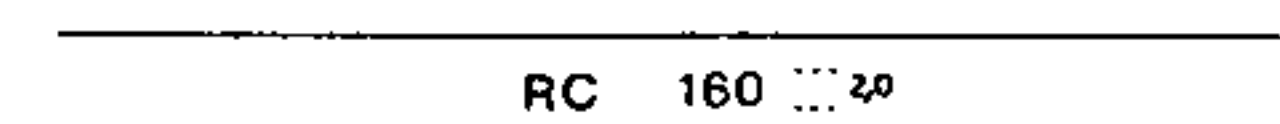
VII Prometnice i objekti uz njih

177. Magistralna cesta

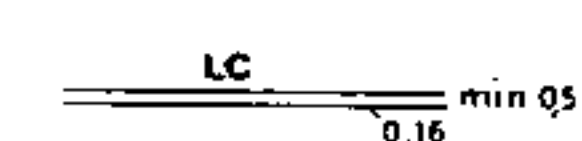
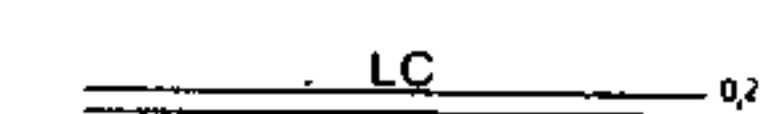
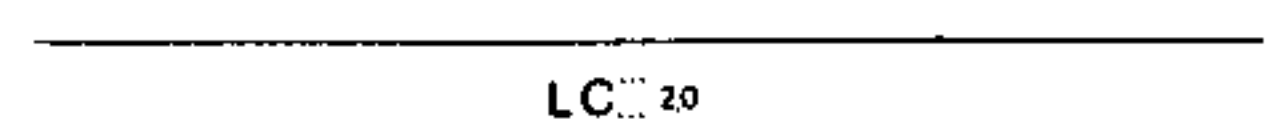


Ad 177-179 Izvan naseljenog mjesta piše se kratica za vrstu ceste i broj ceste a u mjestu naziv ulice.

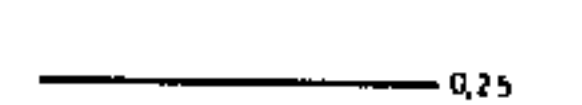
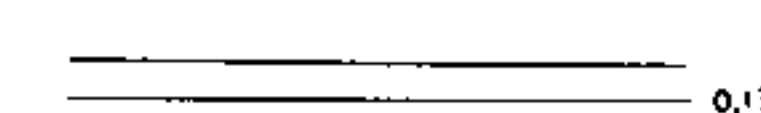
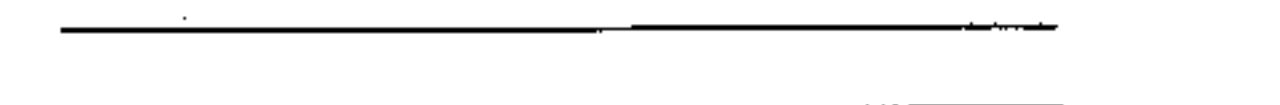
178. Regionalna cesta



179. Lokalna cesta

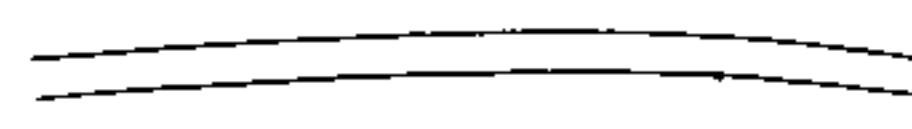


180. Put širi od 3 m

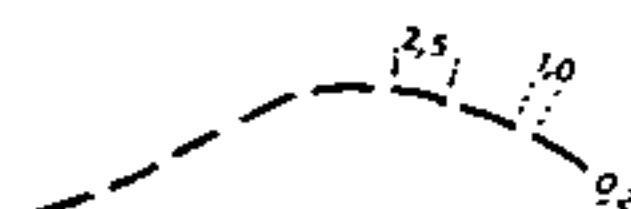


181. Put do 3 m širine

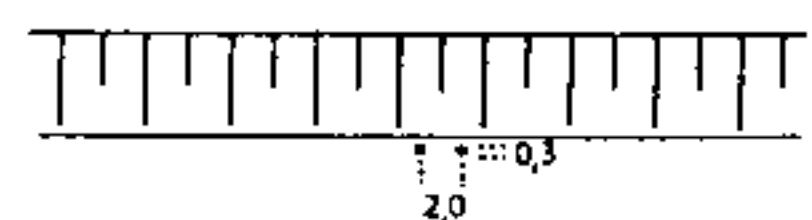
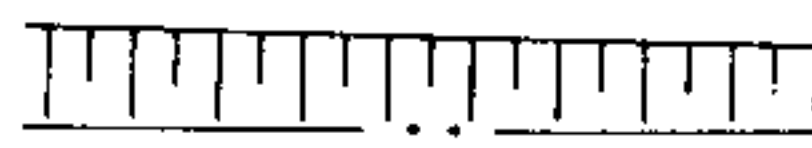
1:500 1:2000



182. Staza

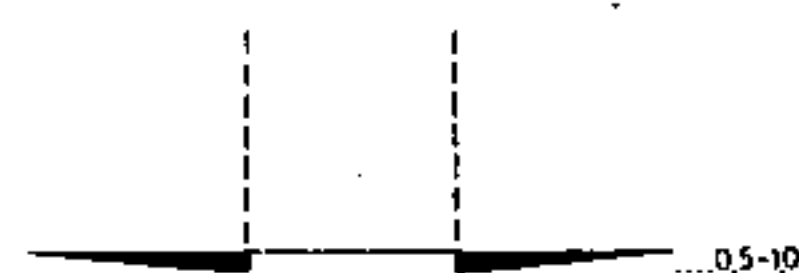


183. Jarak uz prometnicu



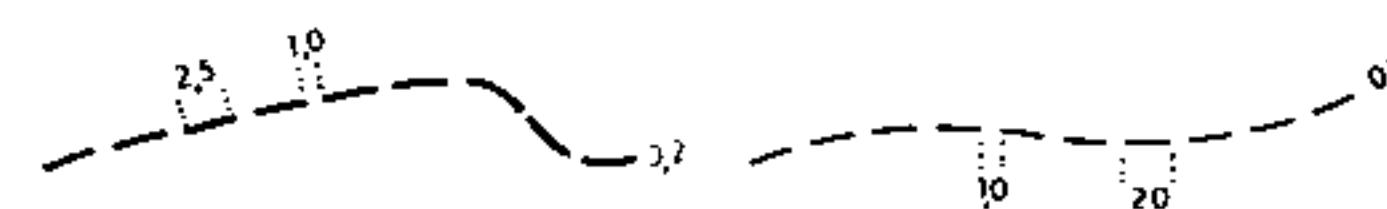
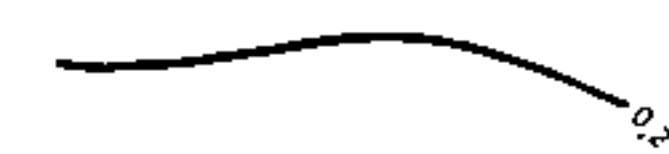
184. Kilometarski stup uz prometnicu

25 172

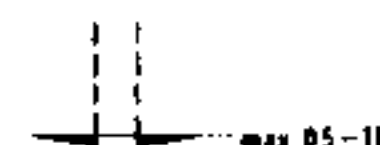


185. Portal tunela, ulaz u podzemnu halu i sl.

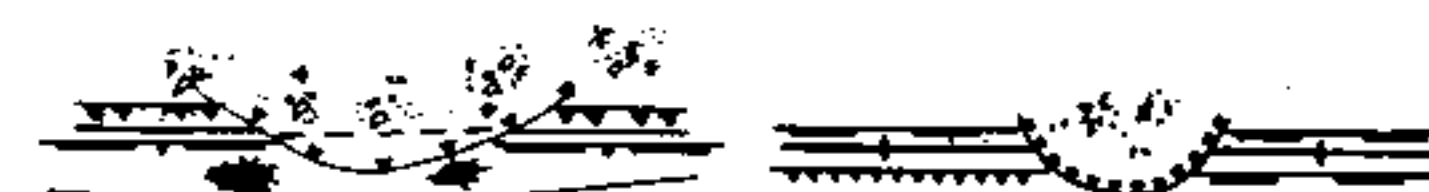
1:5000 — 1:10000 1:20000 — 1:25000



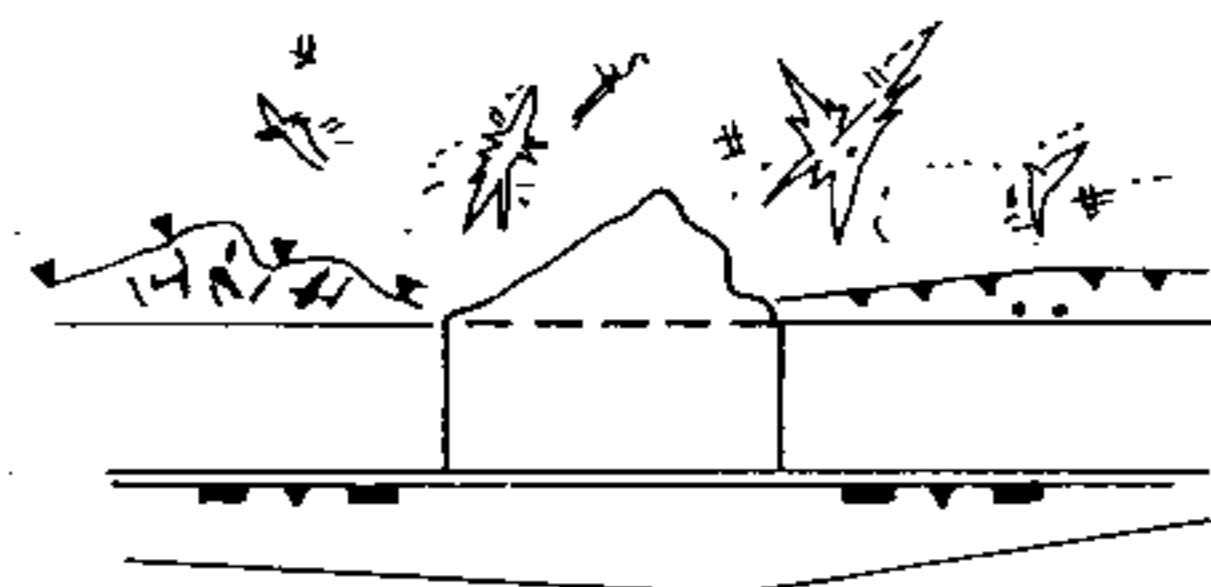
0.8 0.172 1.5



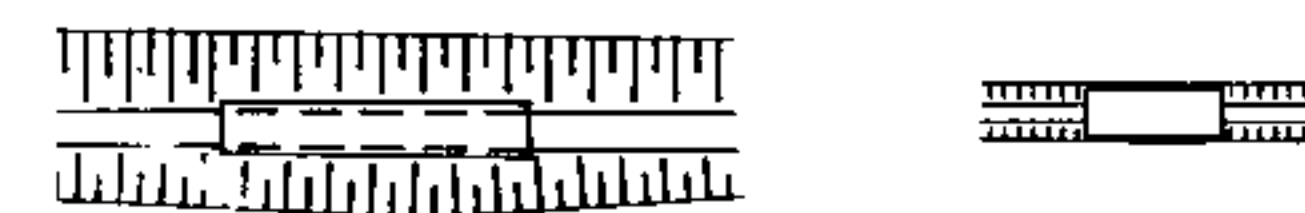
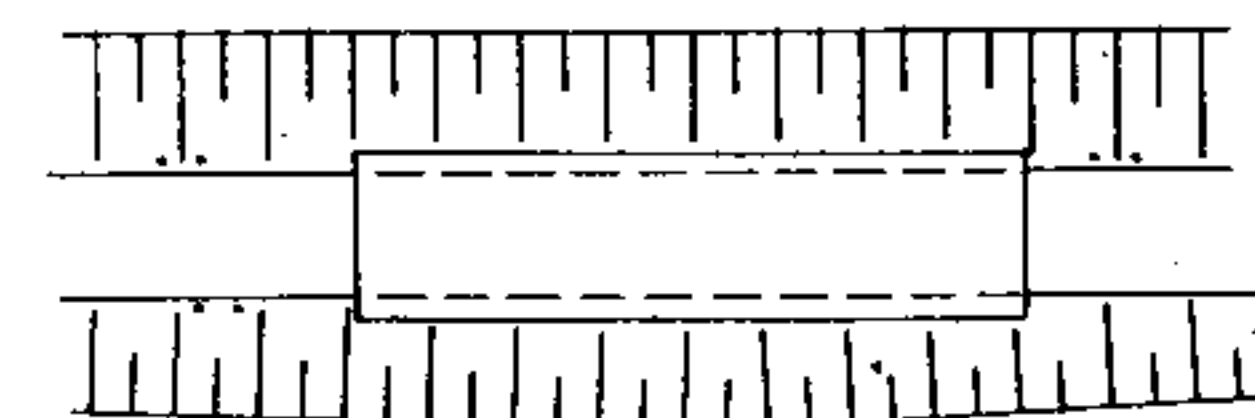
186. Galerija u prirodnoj stijeni



187. Izgrađena galerija



188. Natkriveni usjek

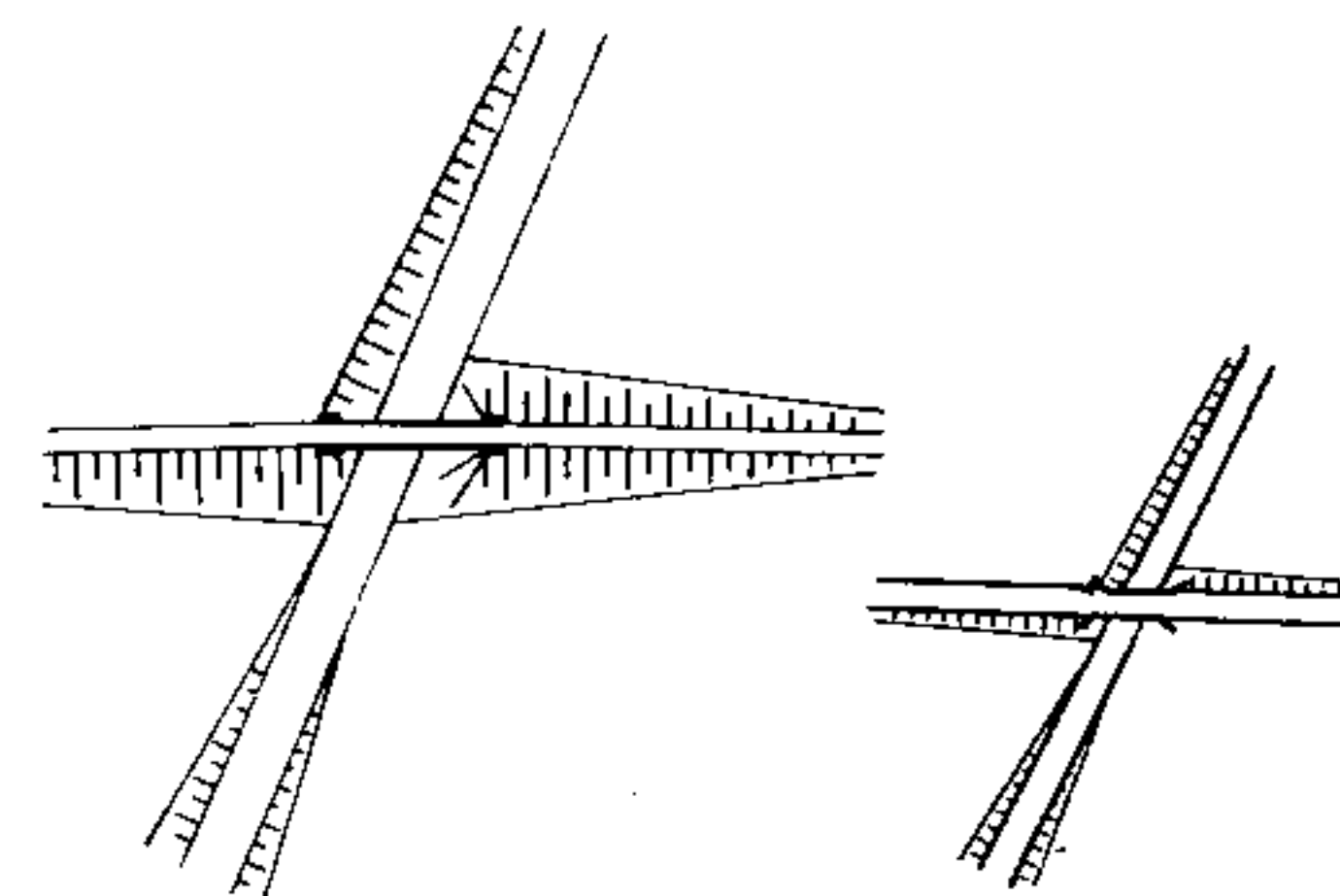
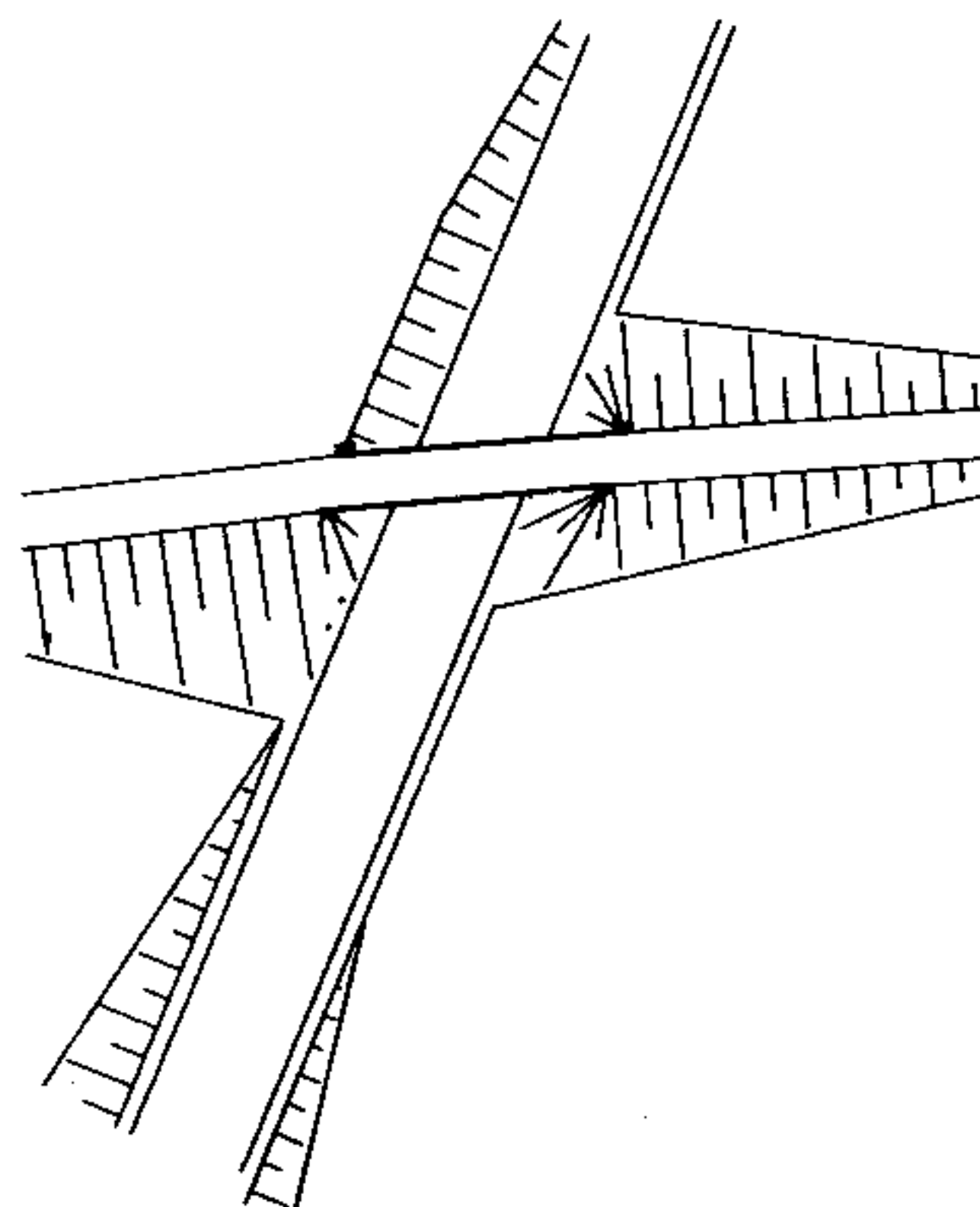


1: 500 — 1: 2000

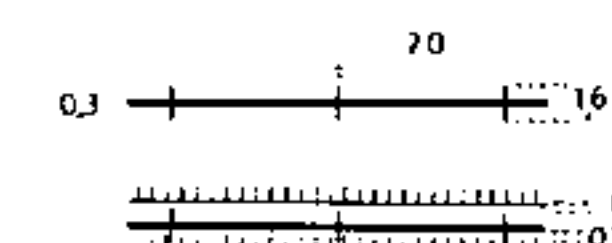
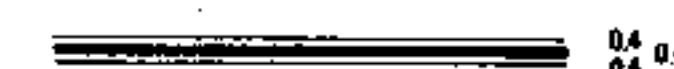
1: 5 000 — 1: 10 000

1: 20 000 — 1: 25 000

189. Primjer crtanja prometnice

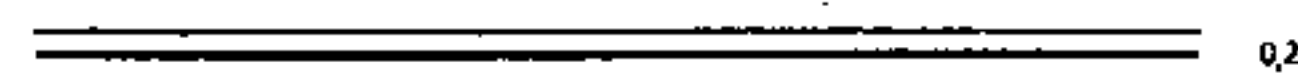


190. Željeznička pruga normalnog kolosijeka



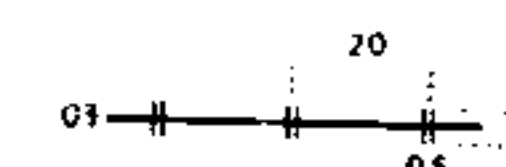
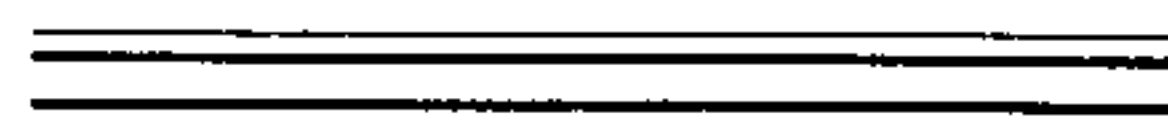
Ad 190-193 Upisuje se polazna i krajna stanica, npr.: Koprivnica - JZ-Osijek.
Na karti mjerila 1:5000 do 1:25000 na željezničkoj stanici crtaju se samo prolazni kolosjeci propisanim znakom dok se ostali kolosjeci crtaju linijom debljine 0,12 — 0,13 mm.

191. Željeznička pruga uskog kolosijeka

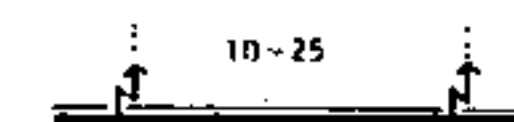
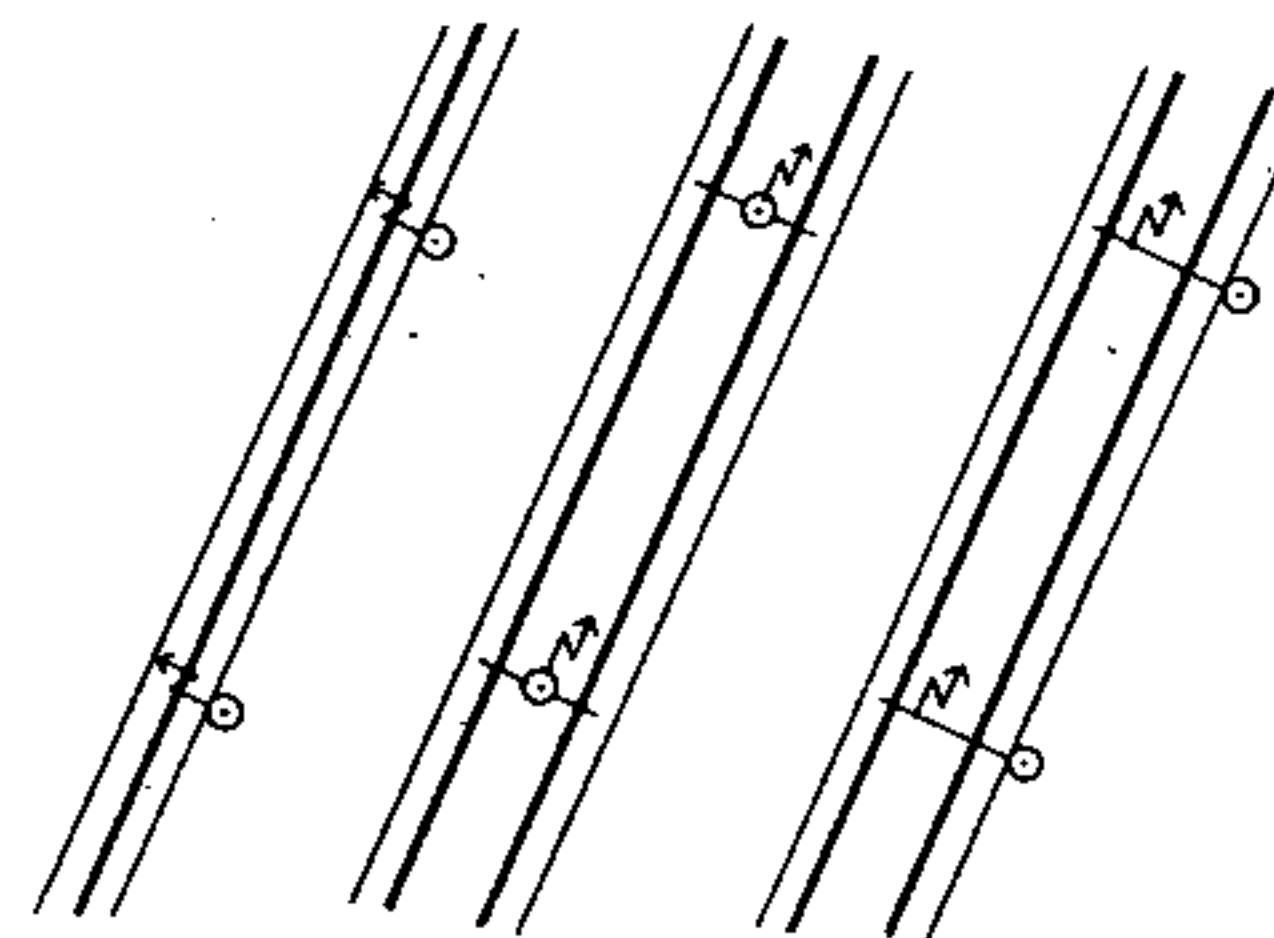


Isti znak kao 190

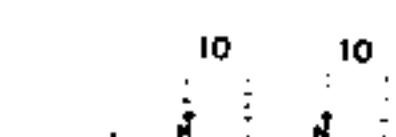
192. Željeznička pruga dvostrukog kolosijeka



193. Elektrificirana željeznička pruga

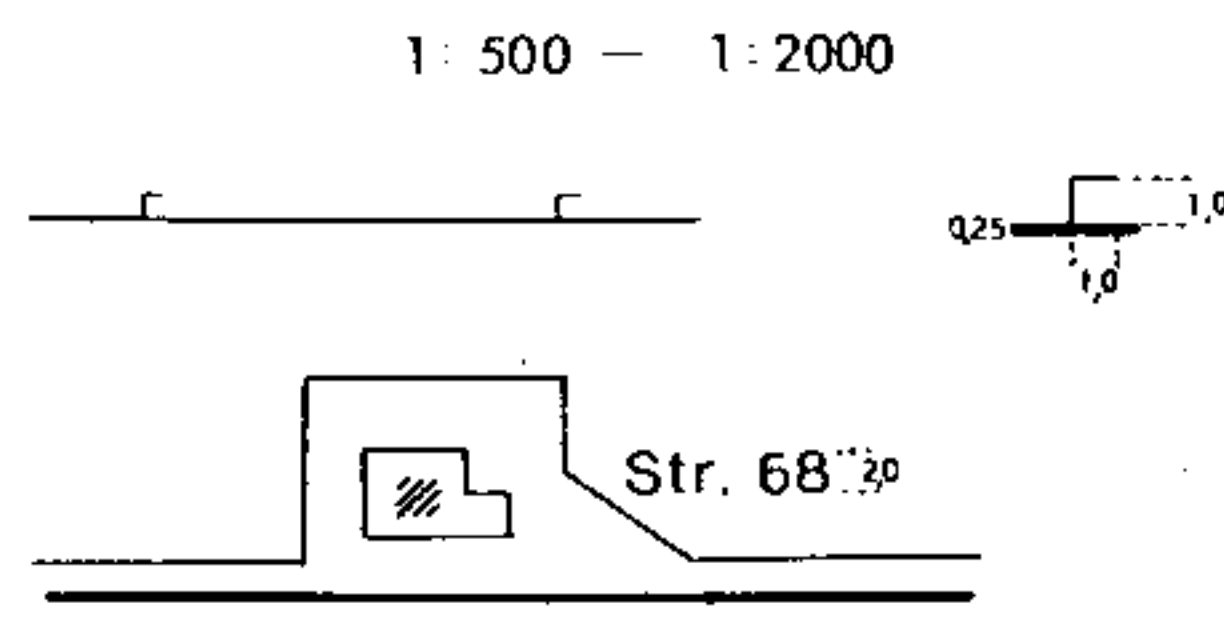


0,8
2,5

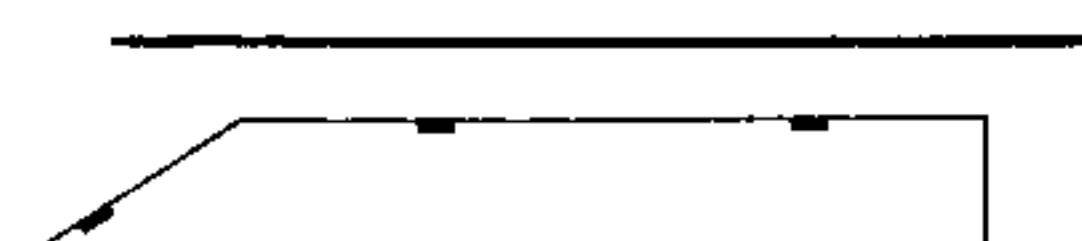


0,5
0,7
0,6
0,7
2,0

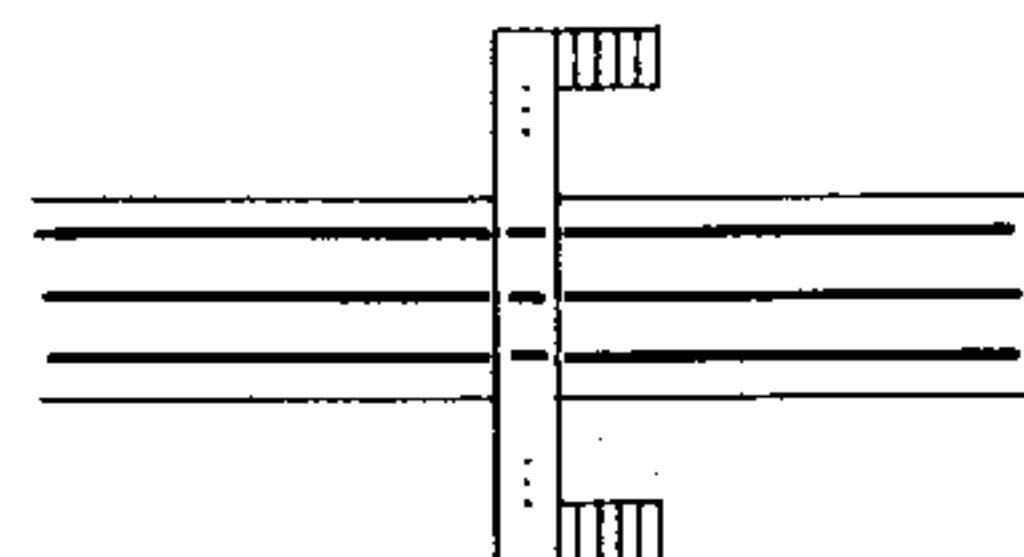
194. Tramvajska pruga



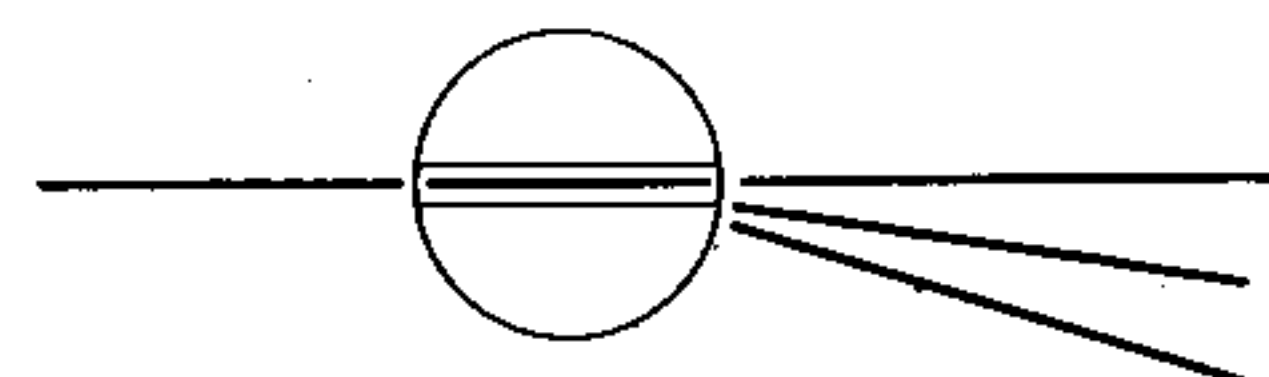
195. Stražara na pruzi



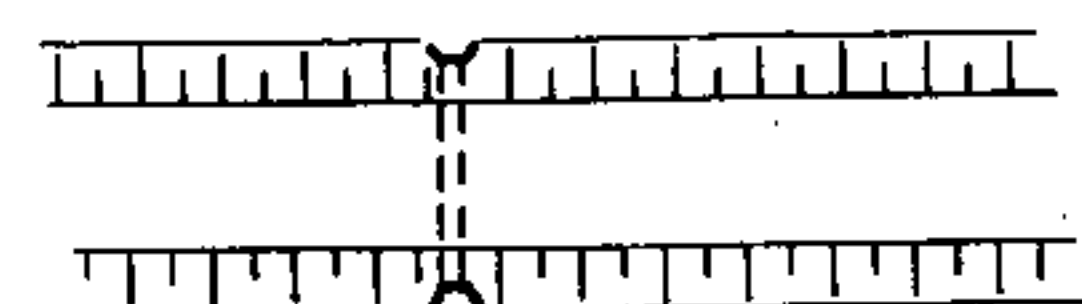
196. Rampa za utovar



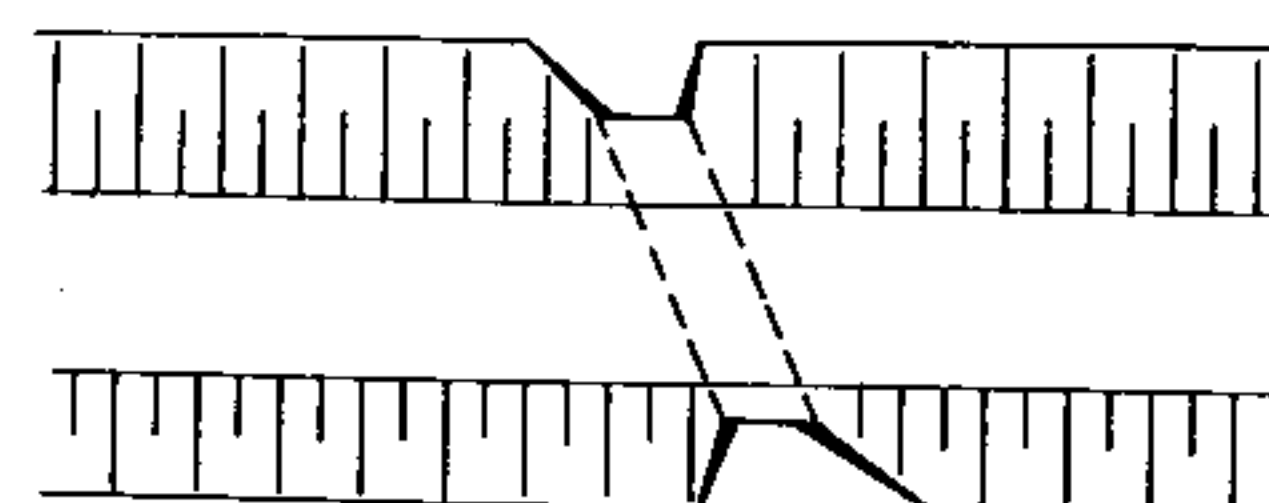
197. Pješački prolaz iznad prometnice



198. Okretište za lokomotivu

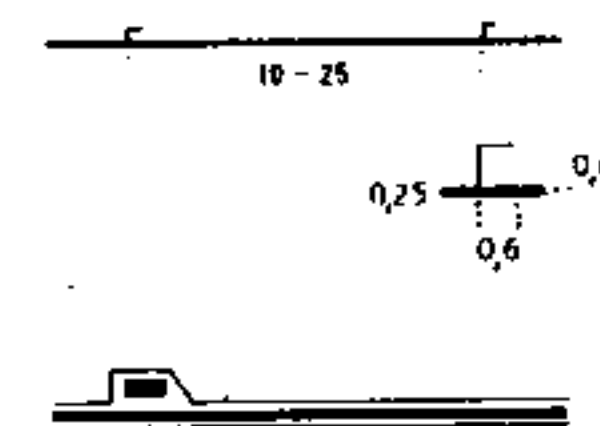


199. Propust, čep, širine otvora do 1 m

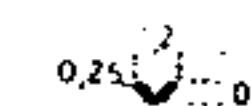
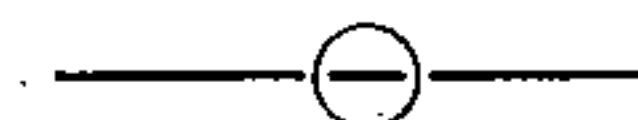
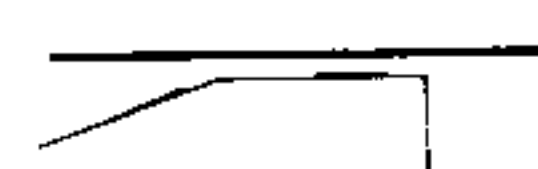


200. Propust, čep, otvora šireg od 1m

1: 5 000 — 1: 10 000



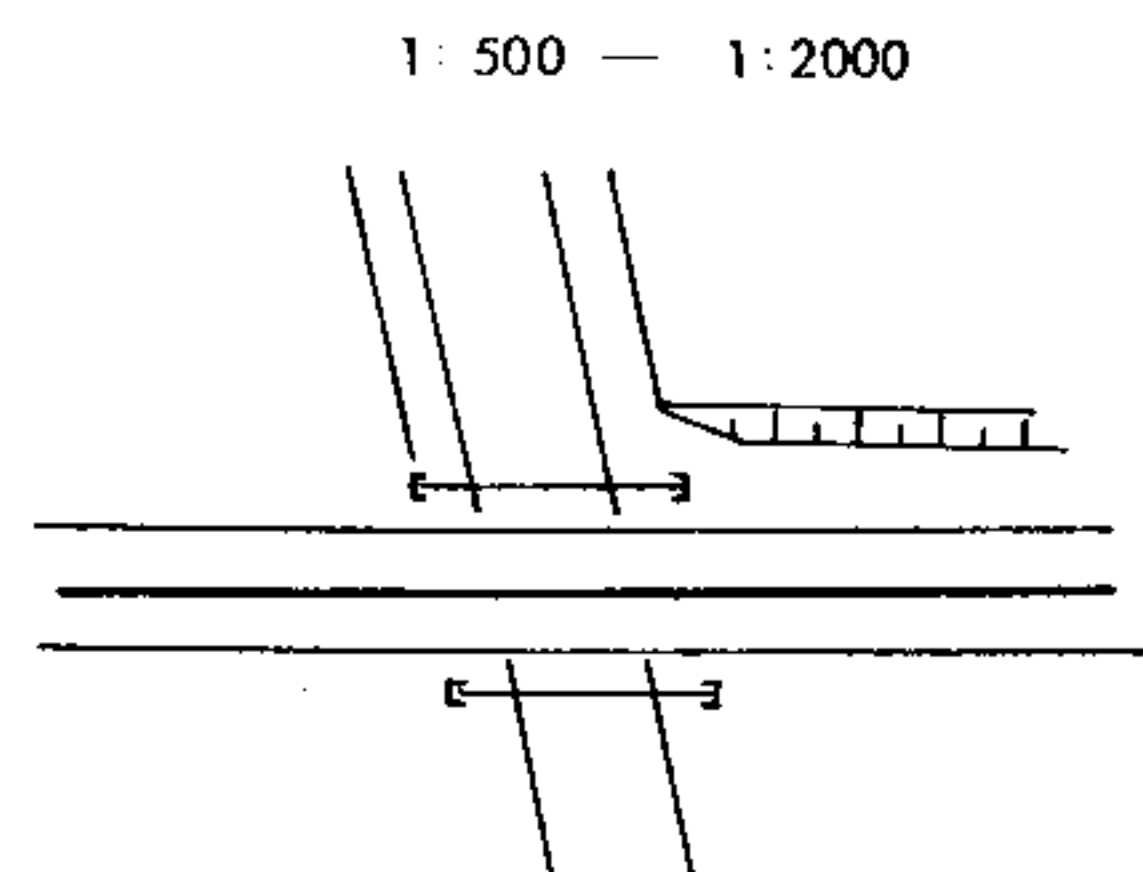
1: 20 000 — 1: 25 000



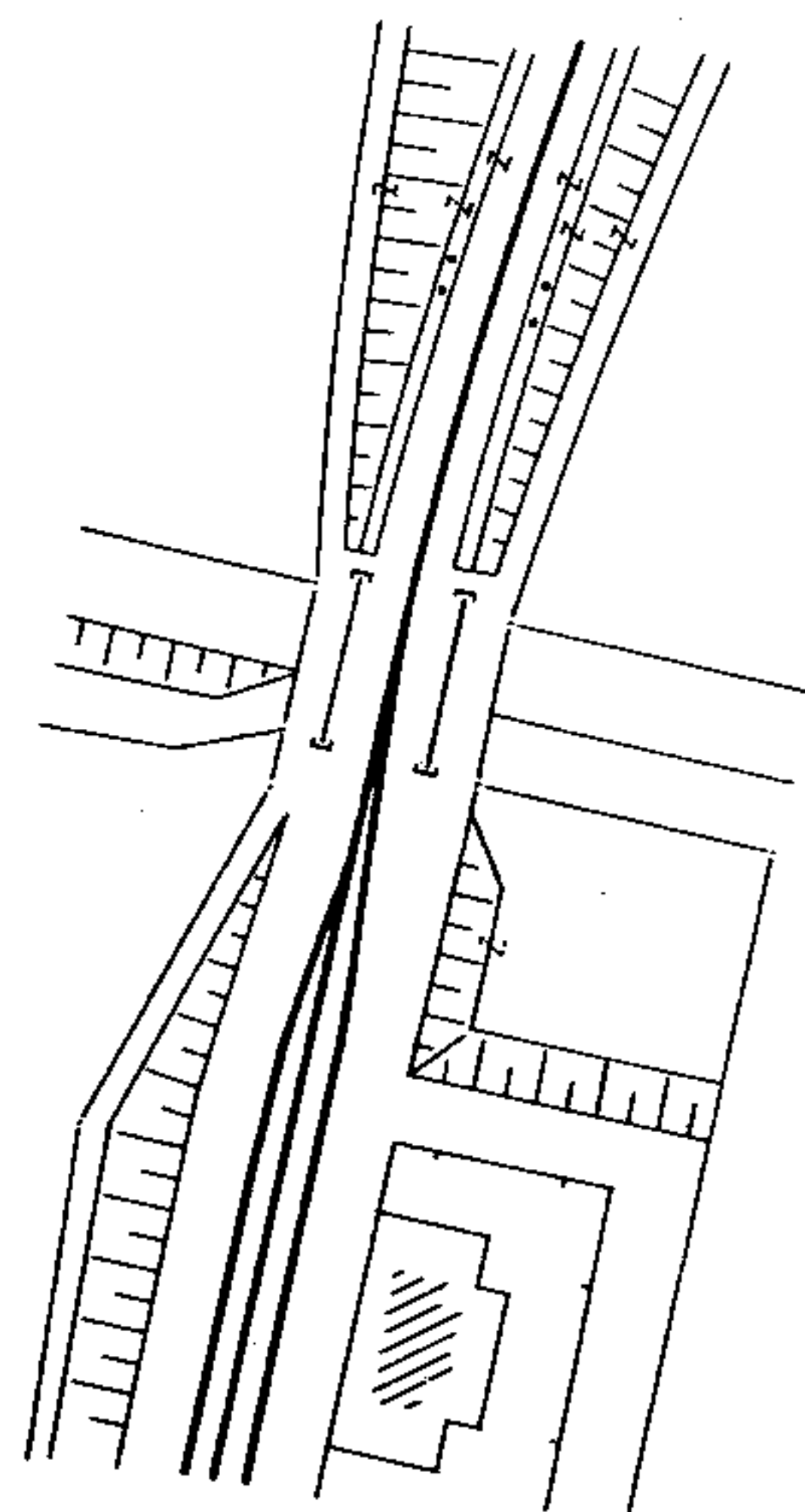
Isti znak kao 199

Ad 200 Kriko propusta crta se u naravnom izgledu.

201. Brklja

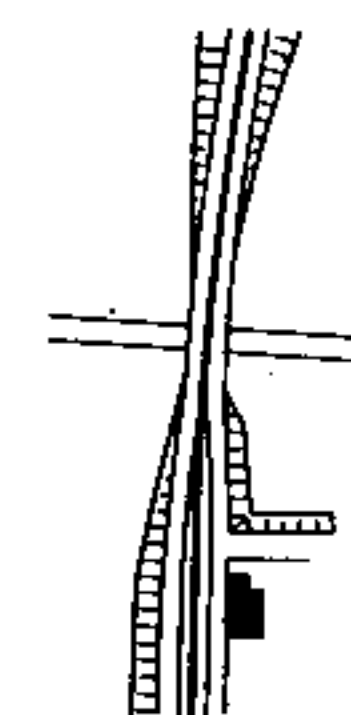
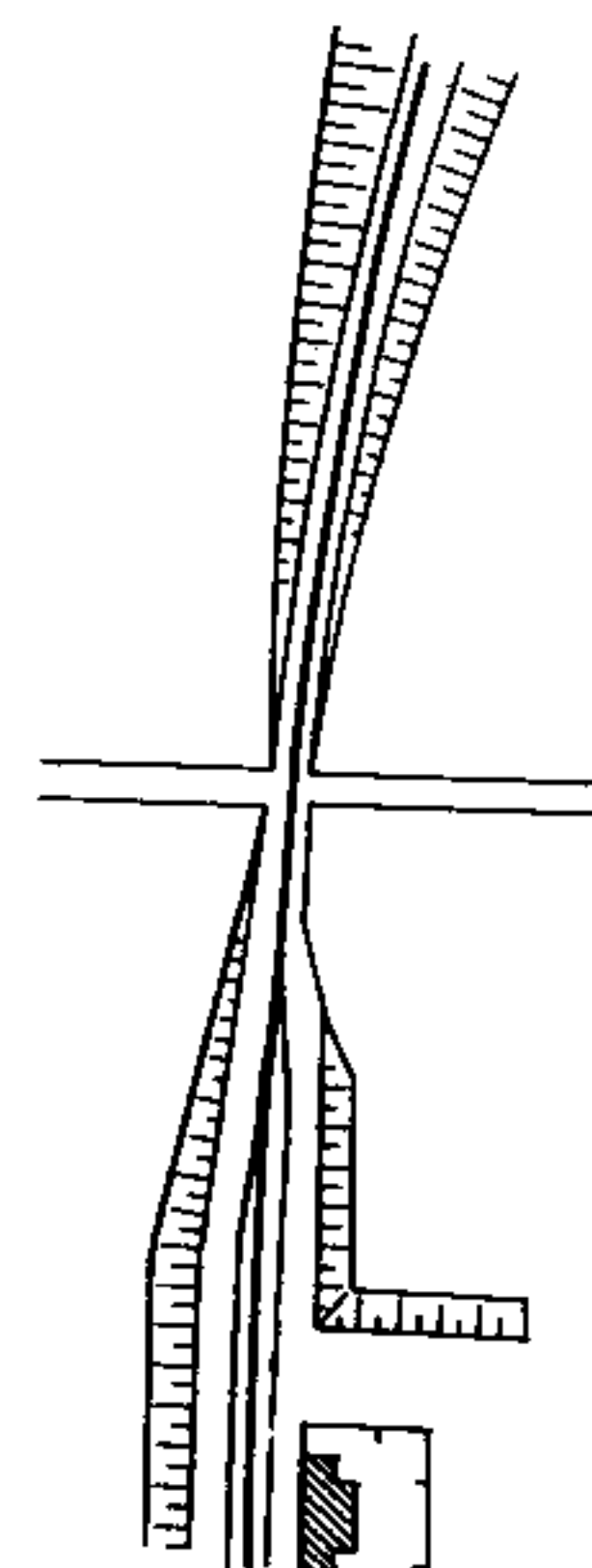


202. Primjer crtanja željezničke pruge



1:5 000 — 1:10 000

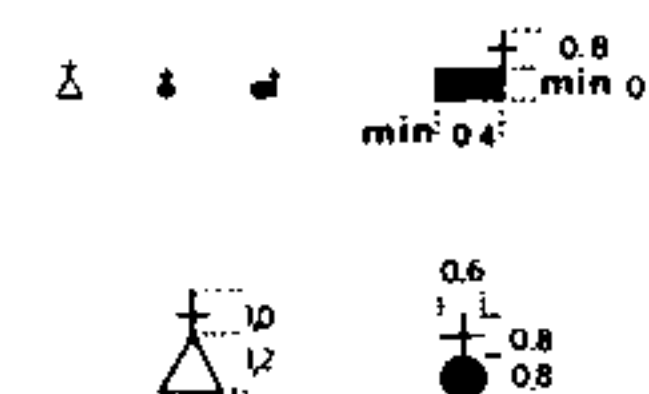
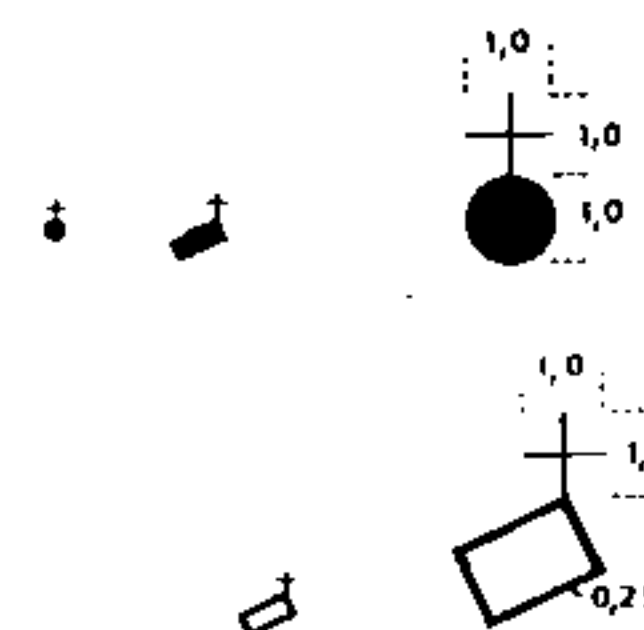
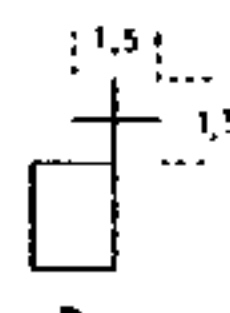
1:20 000 — 1:25 000



VIII Kulturno-povijesni i vjerski objekti i znakovi

203. Crkva, kapelica, toranj bazilike,
do 1 mm veličine na planu i karti

204. Crkva, kapelica, veličine od 1mm
do 2 mm na planu i karti

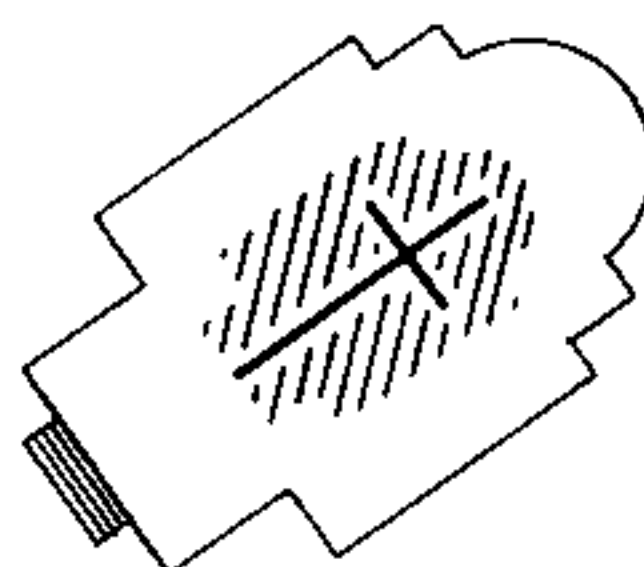


Isti znak kao 203

Ad 203-211 Uz znak piše se naziv objekta ili ime patrona.

205. Crkva, kapelica, veća od 2 mm na planu i karti

1: 500 — 1: 2 000



206. Džamija do 1 mm veličine na planu i karti

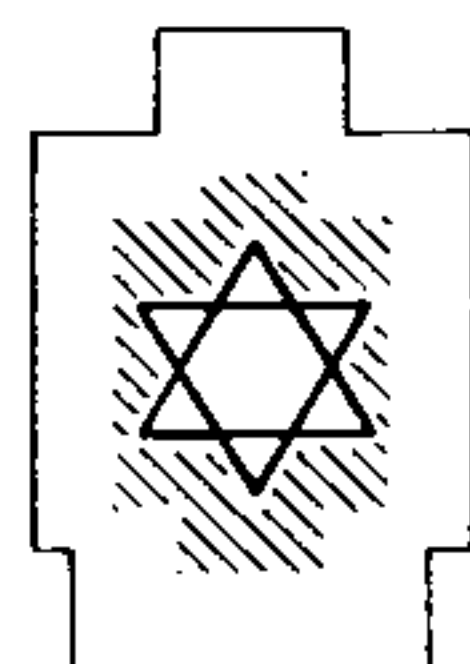
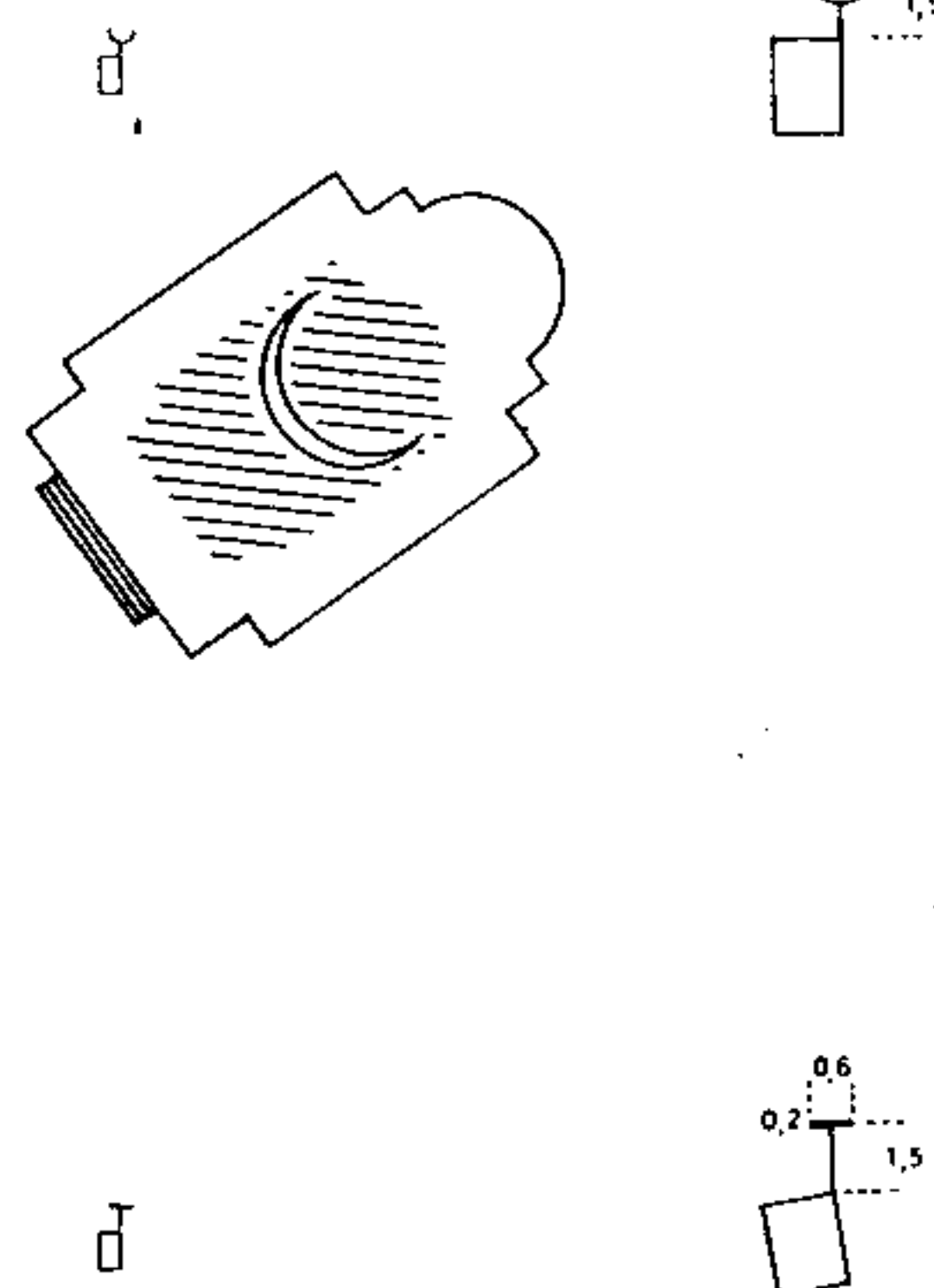
207. Džamija veličine od 1 mm do 2 mm na planu i karti

208. Džamija veća od 2 mm na planu i karti

209. Sinagoga do 1 mm veličine na planu i karti

210. Sinagoga veličine od 1 mm do 2 mm na planu i karti

211. Sinagoga veća od 2 mm na planu i karti

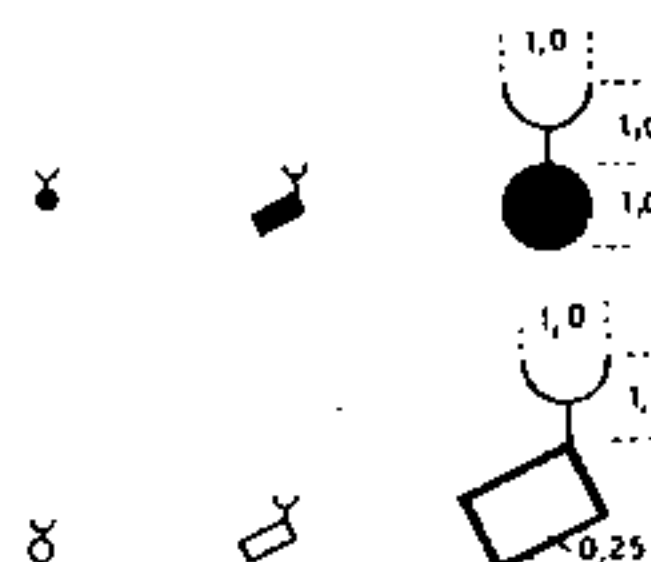


1: 5 000 — 1: 10 000

1: 20 000 — 1: 25 000



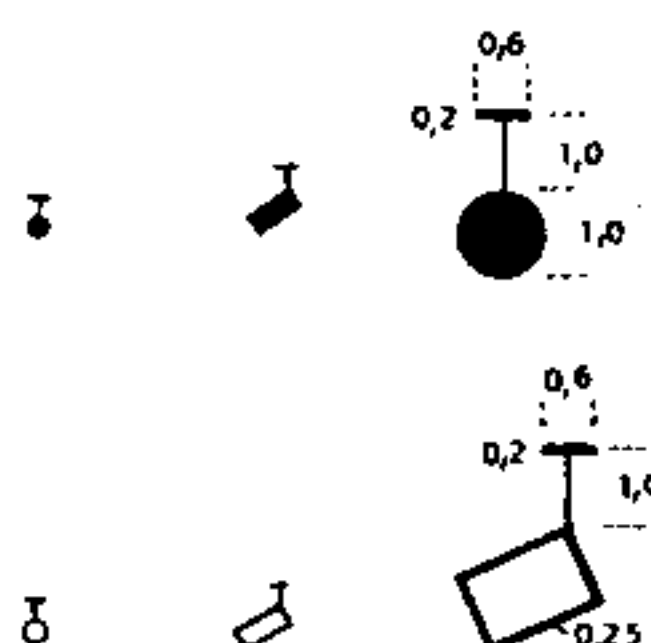
Isti znak kao 203



Isti znak kao 206



Isti znak kao 206



Isti znak kao 209



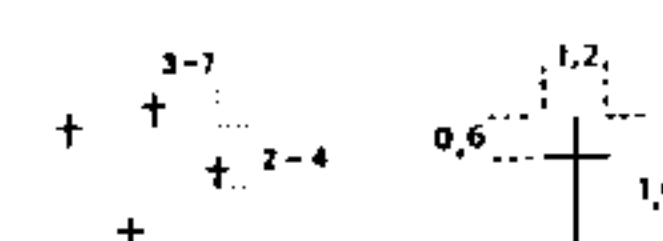
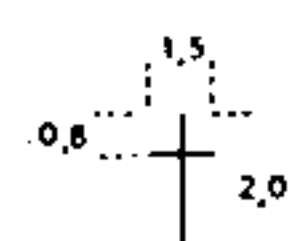
Isti znak kao 209

1:500 — 1:2000

1:5000 — 1:10000

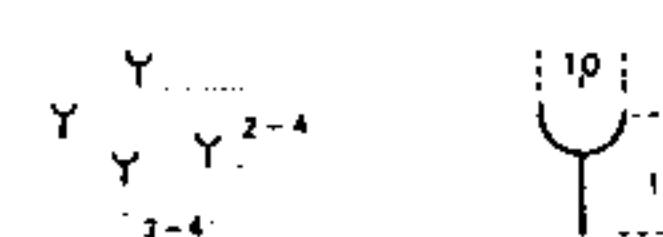
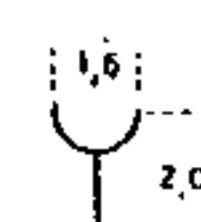
1:20000 — 1:25000

212. Kršćansko groblje

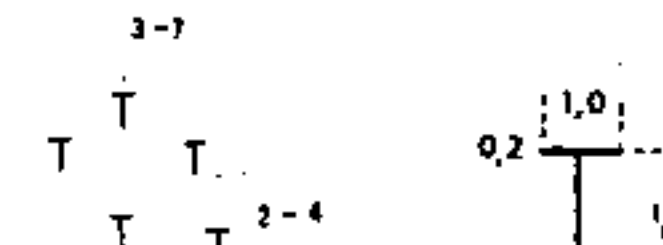
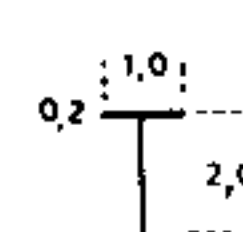
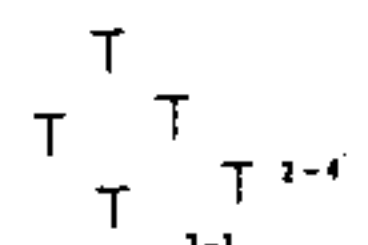


Ad 212-125 Piše se naziv većeg objekta.

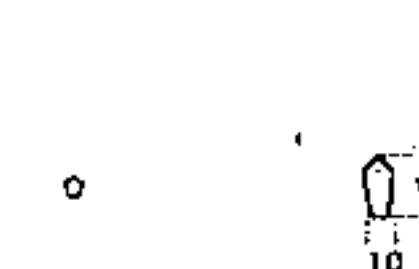
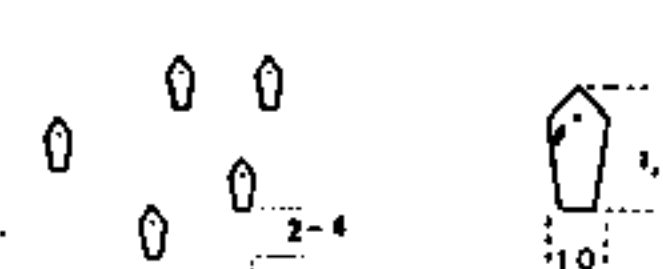
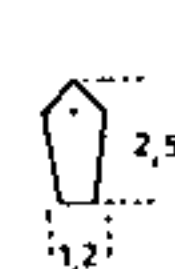
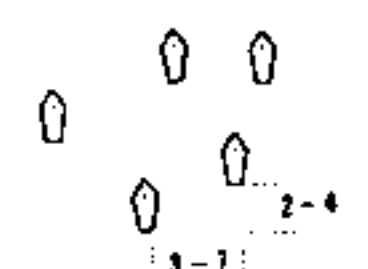
213. Muslimansko groblje



214. Židovsko groblje



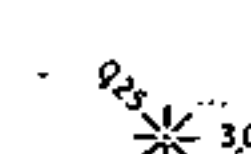
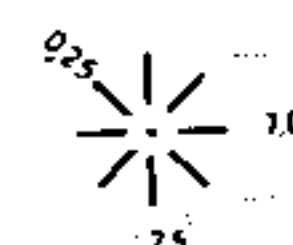
215. Groblje iz NOB



216. Usamljeni grob i vjerski znak



217. Mogila



Ad 217-219 Piše se naziv.

218. Ruševina, razvalina starog grada i samostana

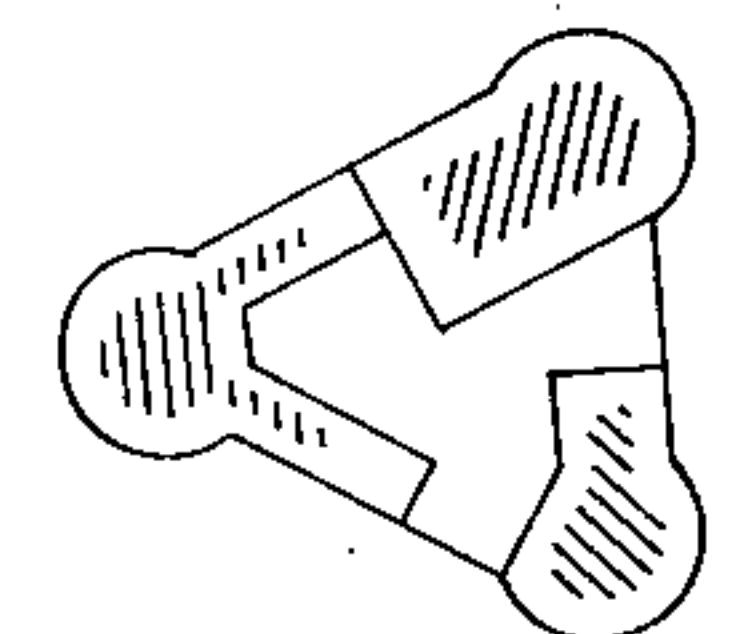


CESARGRAD 2,0



min 15 min 20

219. Sačuvani ili restaurirani stari grad i samostan

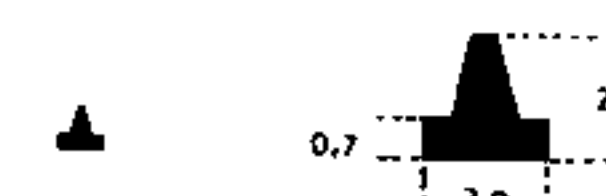


DUBOVAC 2,0



Isti znak kao 218

220. Spomenik



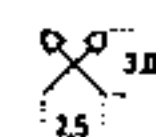
1:500 — 1:2000

1:5 000 — 1:10 000

1:20 000 — 1:25 000

IX Industrija, rudarstvo i slično

221. Rudarsko postrojenje na površini zemlje

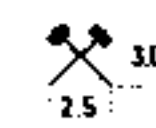


X

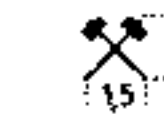


Ad 221-222 Piše se puni naziv ili kratica pogona.

222. Rudarsko postrojenje pod zemljom



X



223. Sondažni bunar

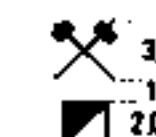


Ad 223-224 Kada se znak ne može prikazati u mjerilu, primjenjuje se znak s propisanim dimenzijama.

224. Bušotina



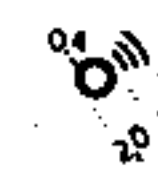
225. Rudničko okno



226. Otvor za provjetravanje



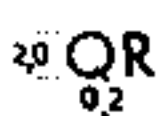
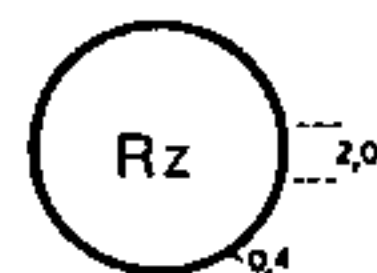
227. Tvornički dimnjak



X

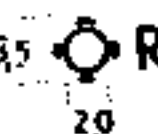
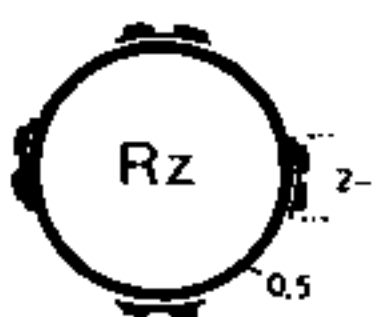


228. Spremište, silos, od betona

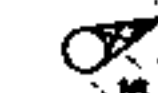


Ad 228-229 Na topografskoj karti znak za spremište za vodu i kratica Rz prikazuju se u plavoj boji

229. Spremište, silos, od željeza



230. Nepokretna dizalica

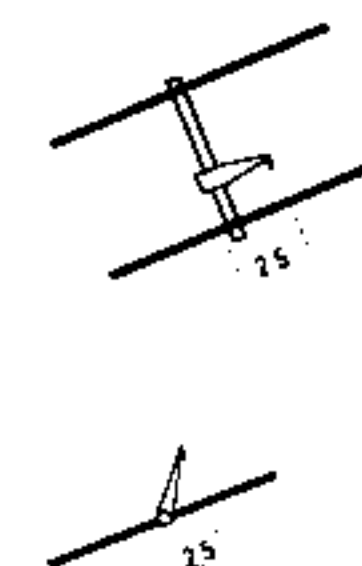
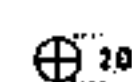
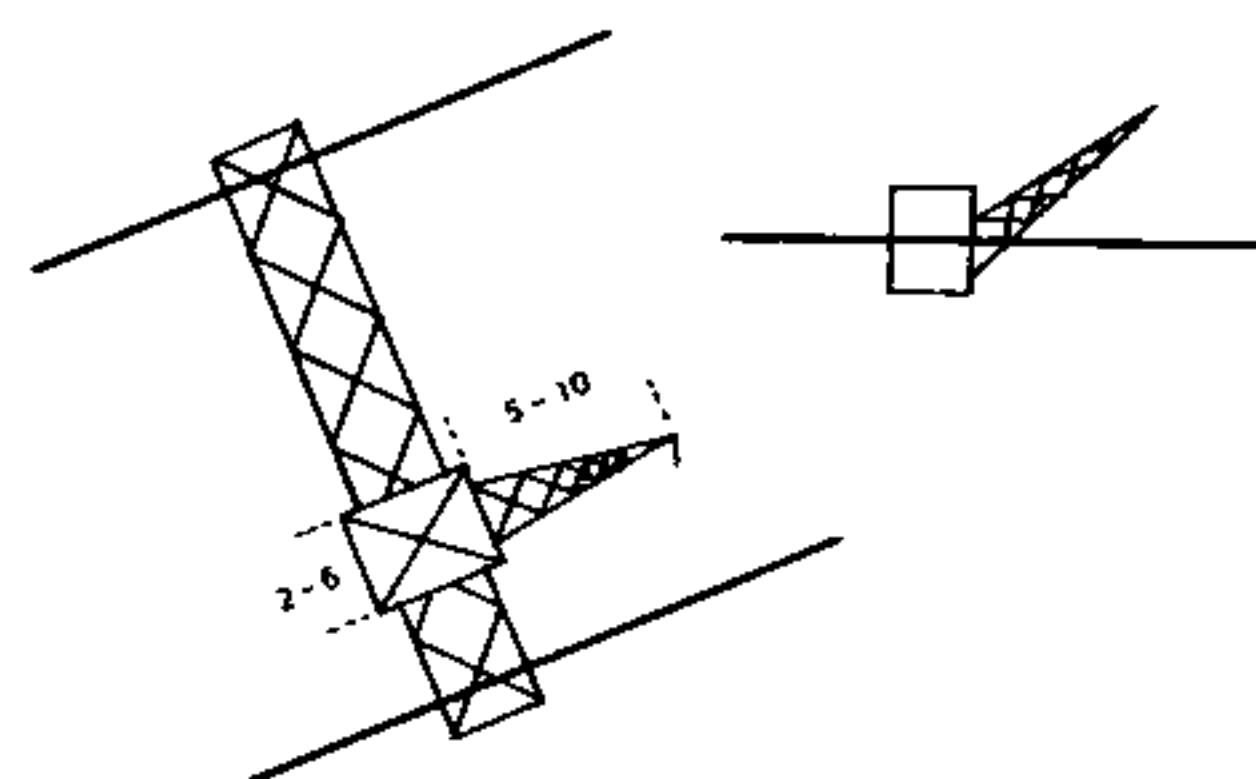


1: 500 ~ 1: 2 000

1: 5 000 — 1: 10 000

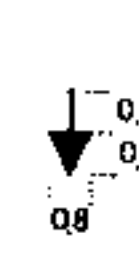
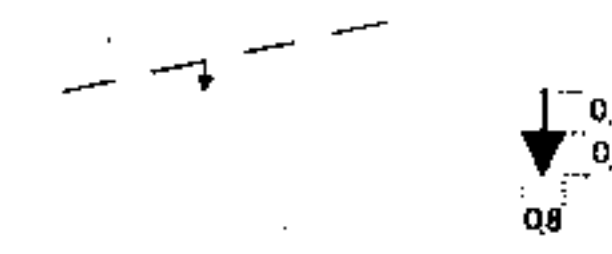
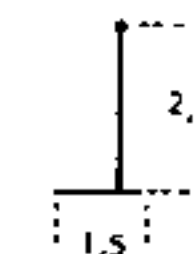
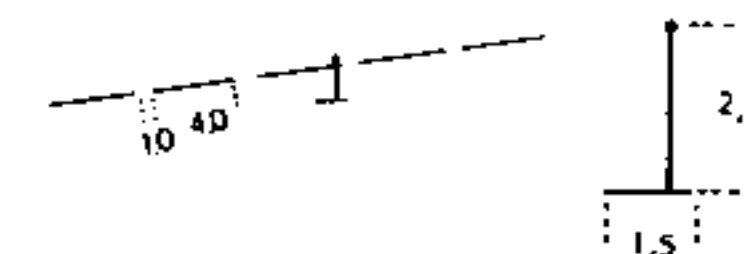
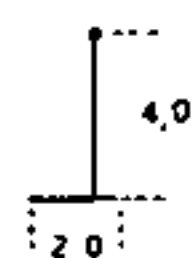
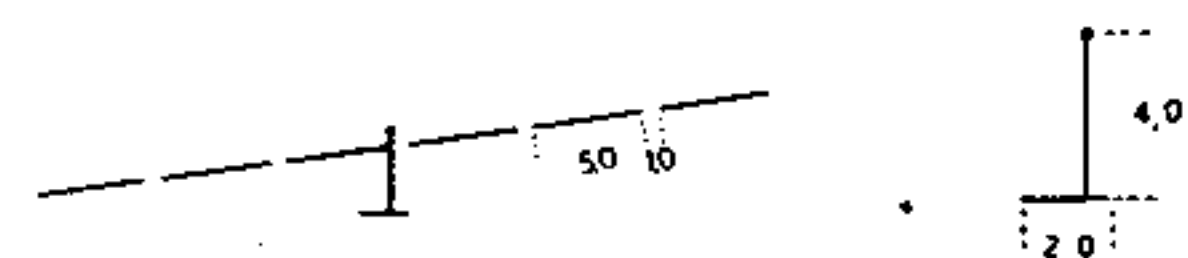
1: 20 000 — 1: 25 000

231. Pokretna dizalica

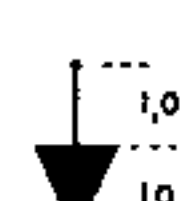
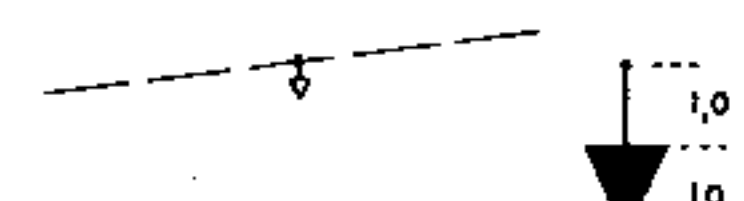
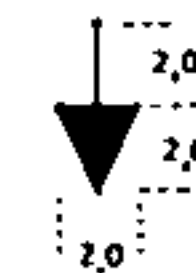
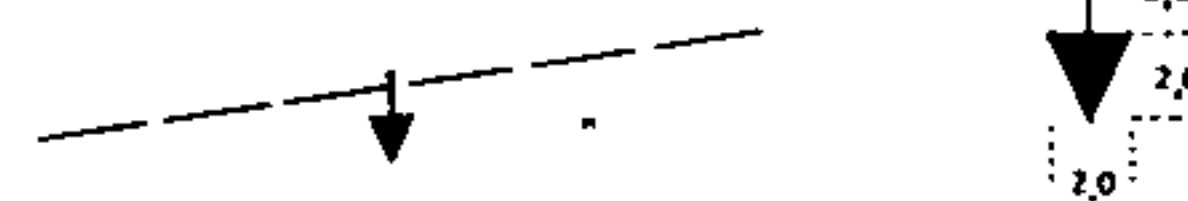


232. Crpka, pumpa

233. Skijaška žičara

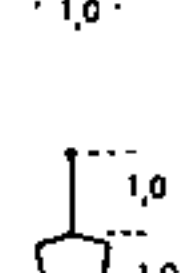
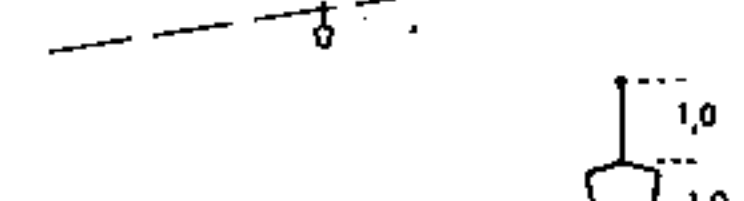
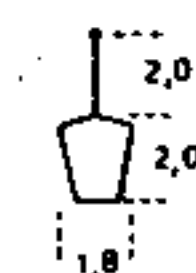
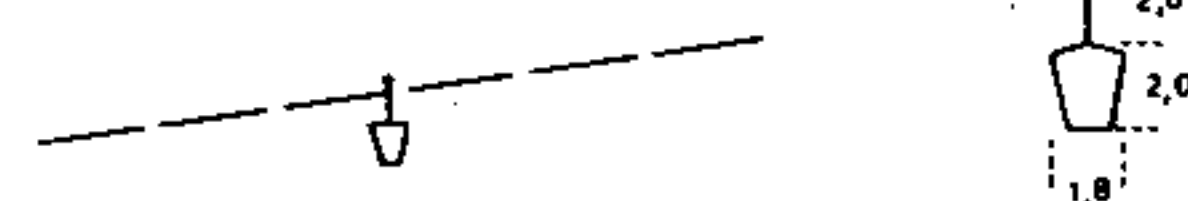


234. Industrijska žičara



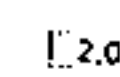
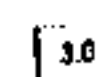
Isti znak kao 233

235. Žičara s kabinama

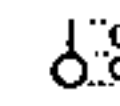
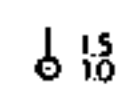
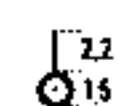


Isti znak kao 233

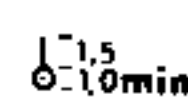
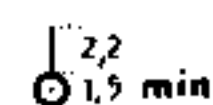
236. Drveni stup



237. Betonski stup veličine do 2 mm na planu i karti

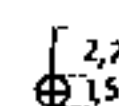


238. Betonski stup veći od 2 mm na planu i karti



Isti znak kao 237

239. Željezni stup veličine do 2 mm na planu i karti



Isti znak kao 237

1:500 — 1:2000

1:5000 — 1:10000

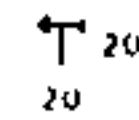
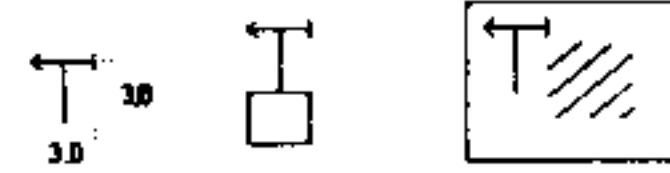
1:20000 — 1:25000

240. Željezni stup veći od 2 mm na planu i karti

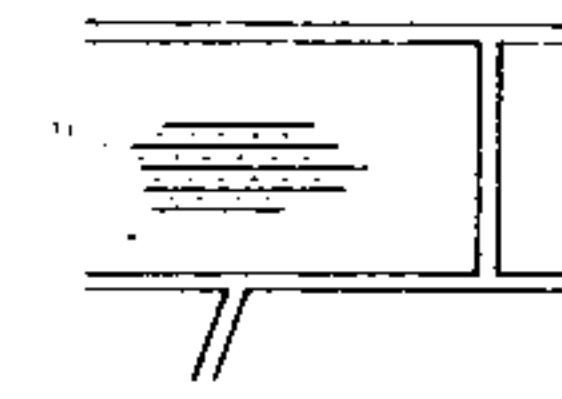
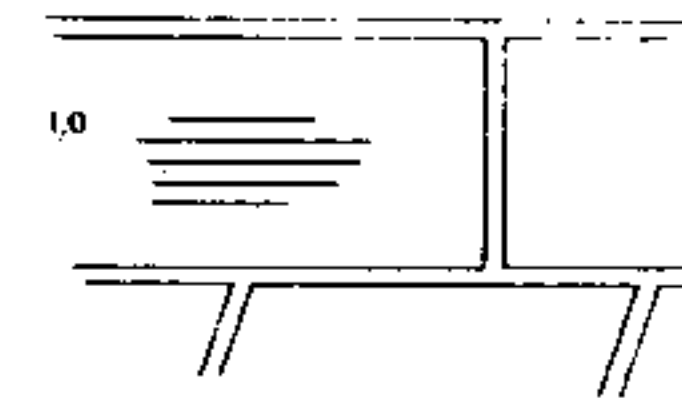
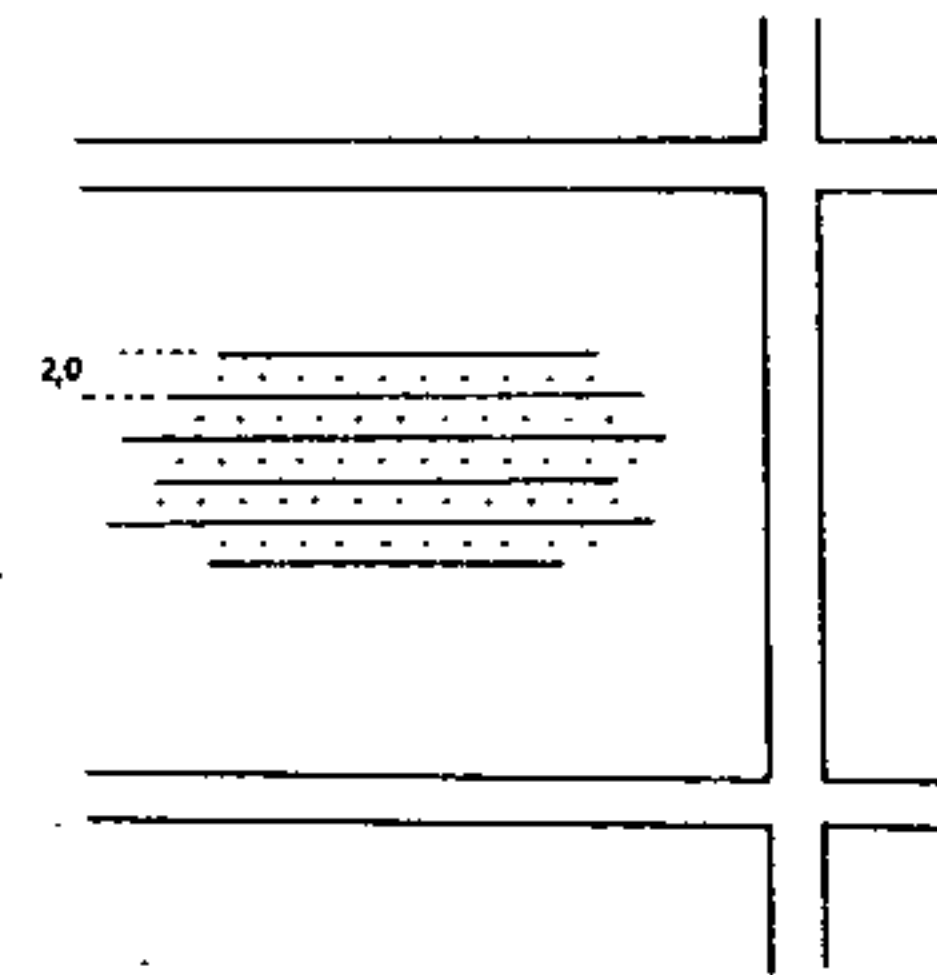


ST. ZEM. K. 237

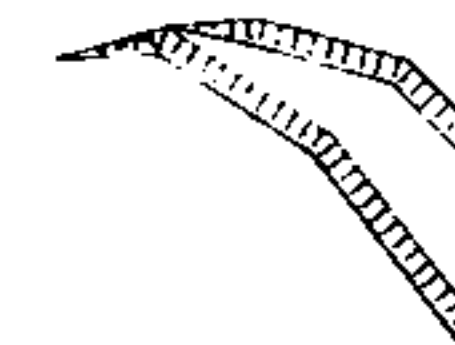
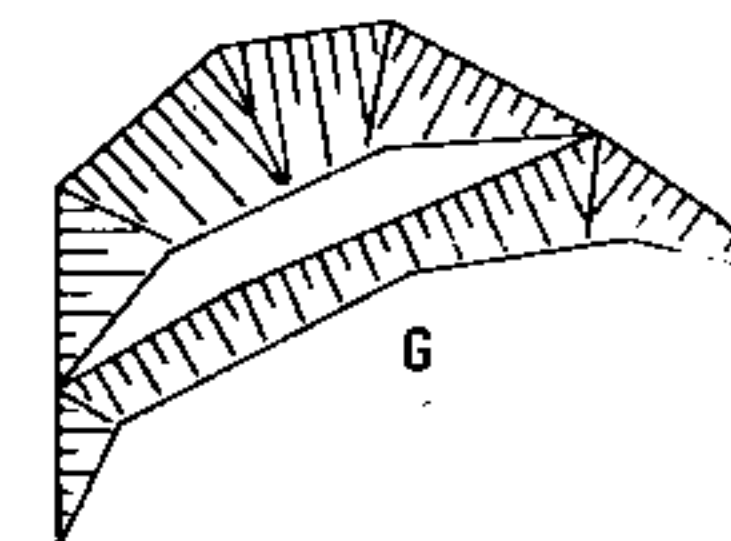
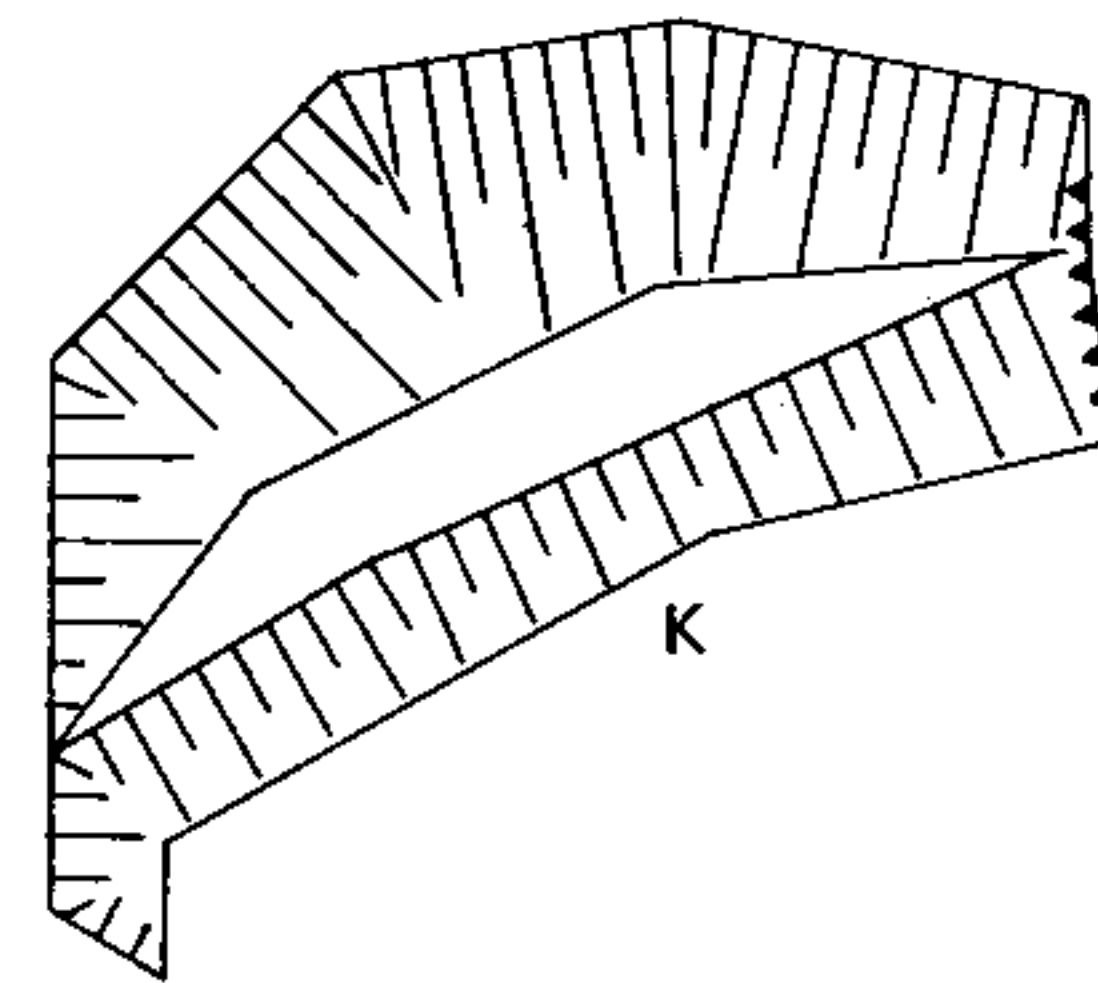
241. Hidrometeorološka stanica



242. Solana



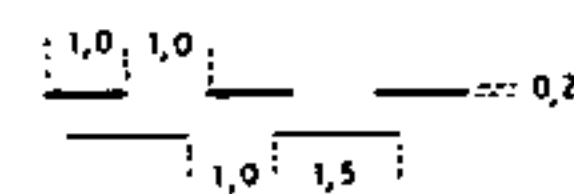
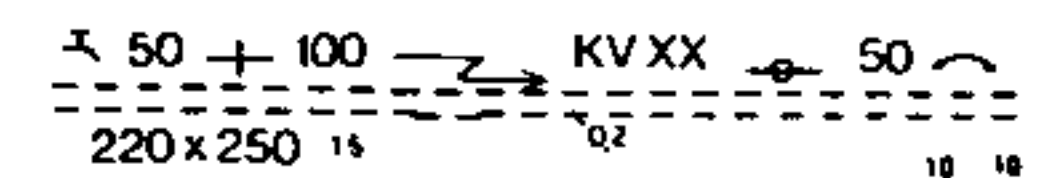
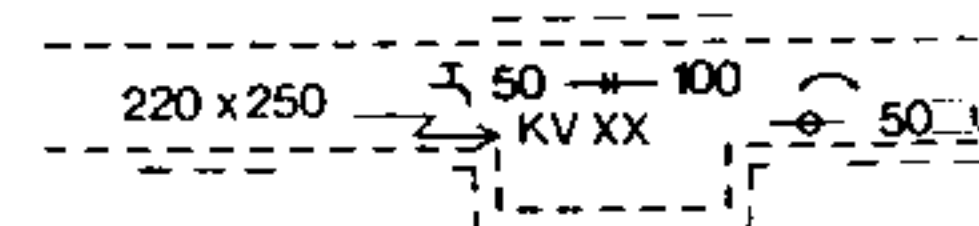
243. Primjer crtanja površinskog iskopa kamena, ugljena i sl.



X Vodovi i objekti koji im pripadaju

a) Zajednički znakovi

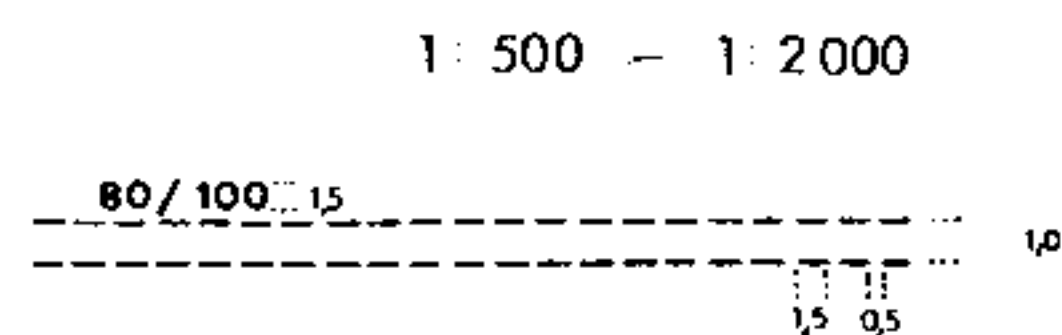
244. Zajednički tunel za podzemne vodove



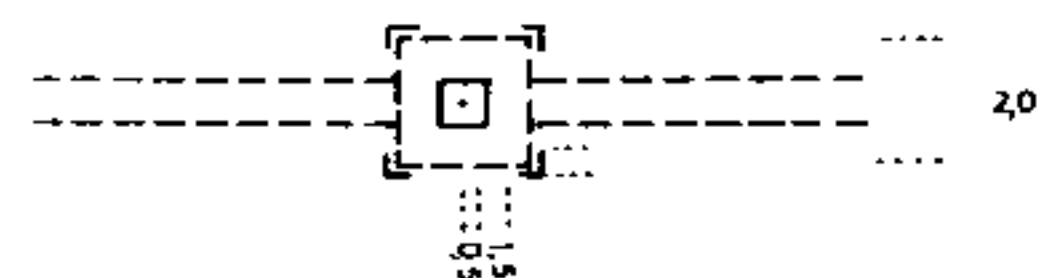
220 x 250 0,5

Ad 244-246 Primjenjuje se samo u katastru vodova. Ako se u njemu nalazi jedna vrsta voda, crta se u boji odgovarajućeg voda, a ako se nalazi više vrsta vodova, crta se crnim tušem, a znak pojedinog voda i oznaka dimenzije voda crta se tušem u boji. Okno (otvor ulaza) crta se crnim tušem.

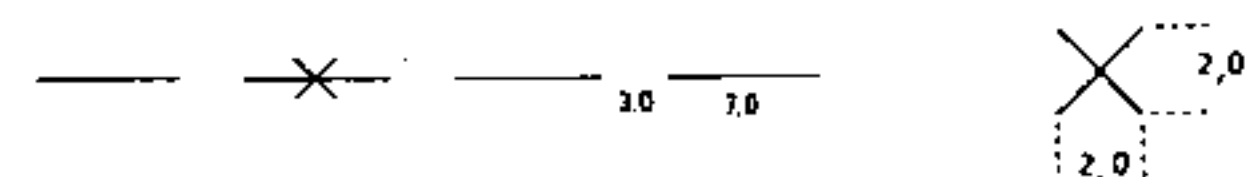
245. Kanal za podzemne vodove



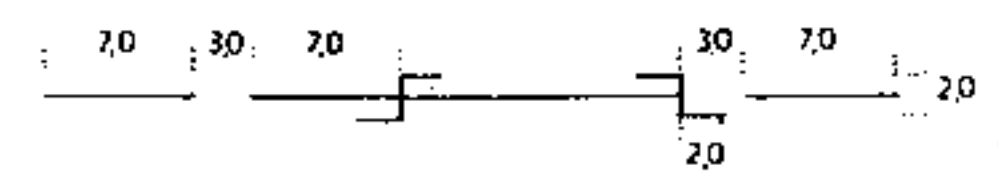
246. Podzemna komora



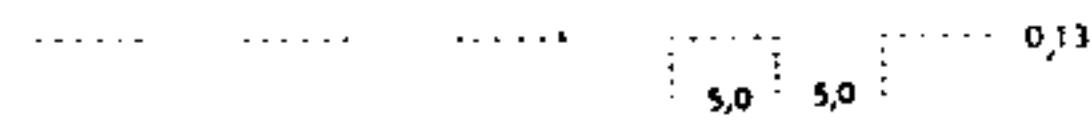
247. Mjesto promjene profila voda



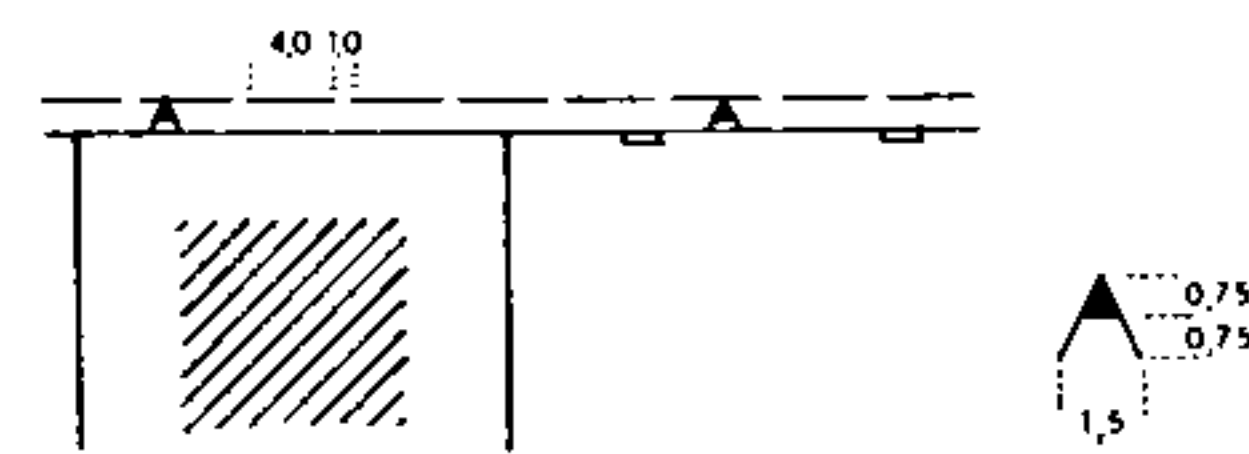
248. Izlaz cijevnog podzemnog voda na površinu zemlje



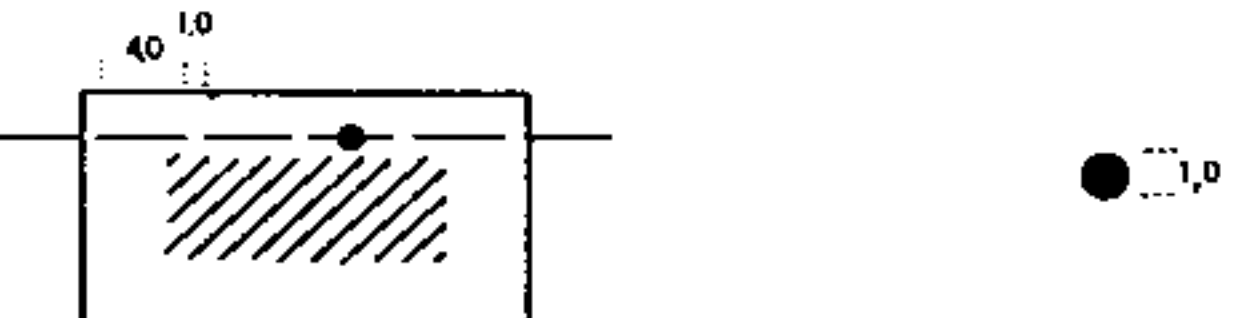
249. Nesigurno definiran vod



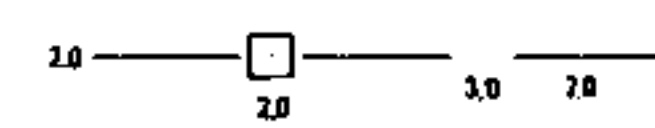
250. Nosač voda na zidu



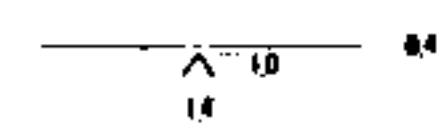
251. Nosač voda na krovu



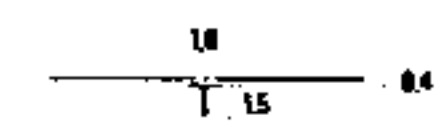
252. Okno podzemnog voda



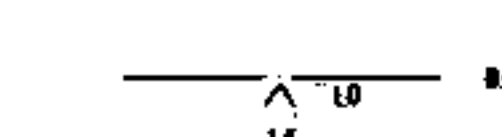
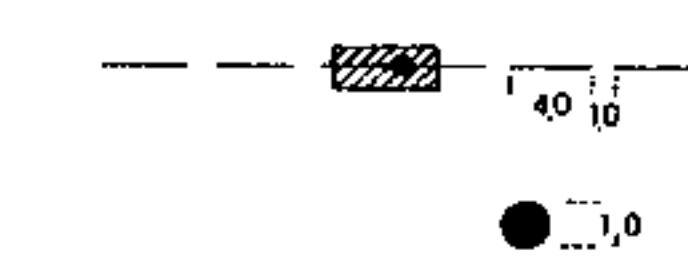
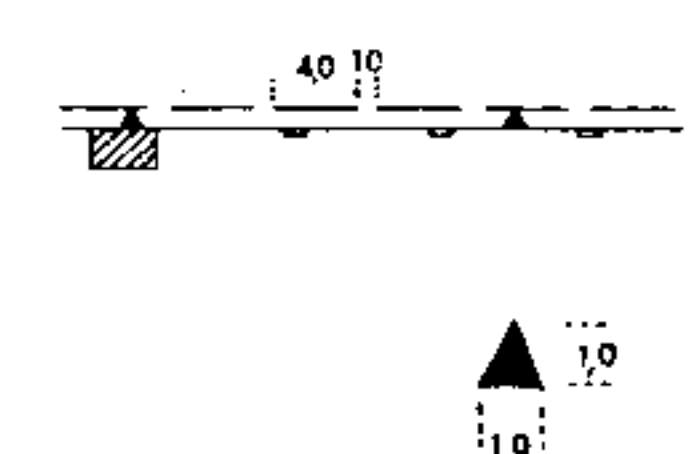
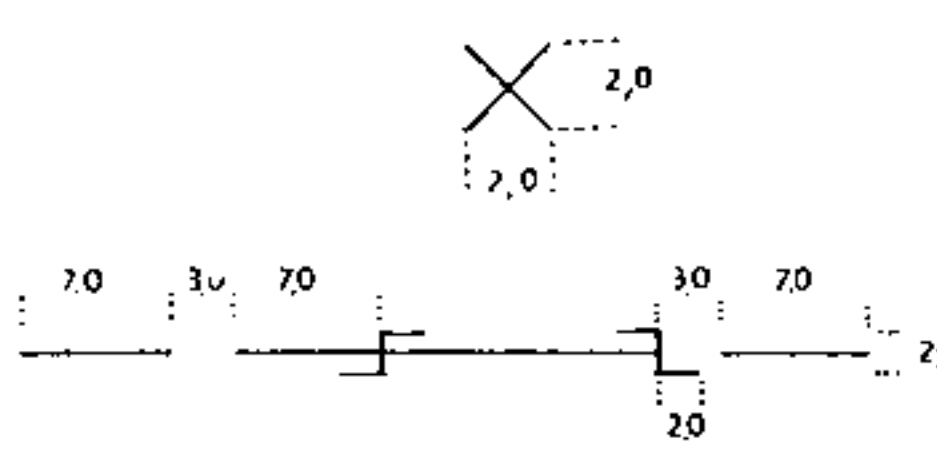
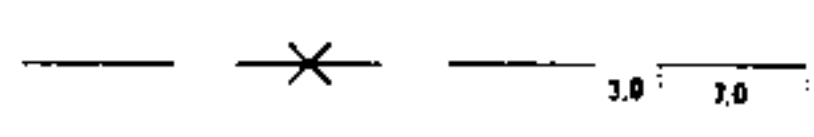
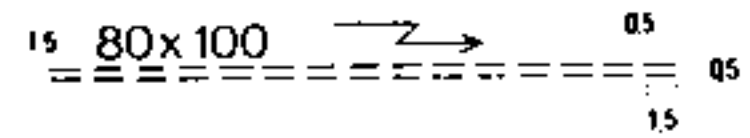
253. Nosač cjevovoda na zemlji



254. Nosač cjevovoda na stupu



1:5000 — 1:10000 1:20000 — 1:25000



Ad 247 Primjenjuje se samo u katastru vodova kada je vod prikazan jednom linijom i crta se odgovarajućom bojom voda.

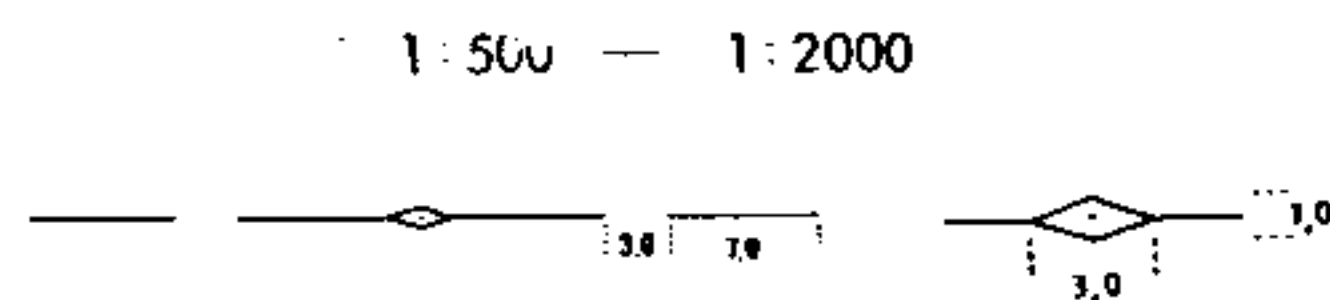
Ad 248-249 Primjenjuje se samo u katastru vodova i crta odgovarajućom bojom tuša.

Ad 250-251 Primjenjuje se samo u katastru vodova.

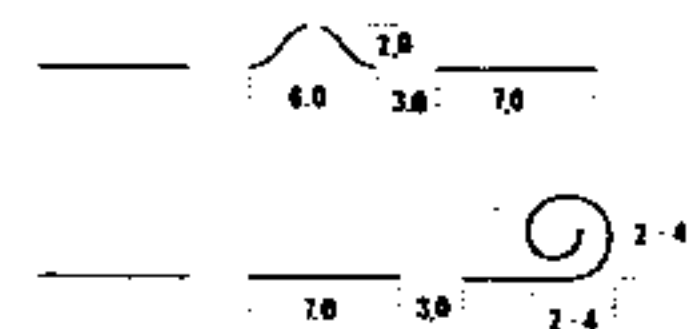
Ad 252 Na području izvan naseljenog mjesta crta se na listovima Osnovne državne karte. U katastru vodova crta se crnim tušem.

Ad 253-254 Primjenjuje se samo u katastru vodova i crta crnim tušem. Kada omjer plana omogućuje, crta se tlocrt.

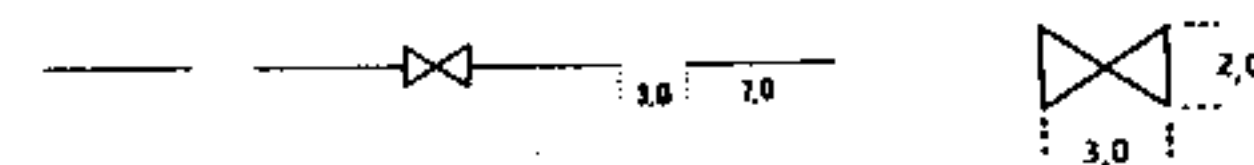
255. Spojnica kabela



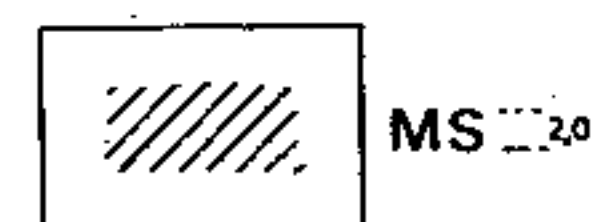
256. Kabel za rezervu



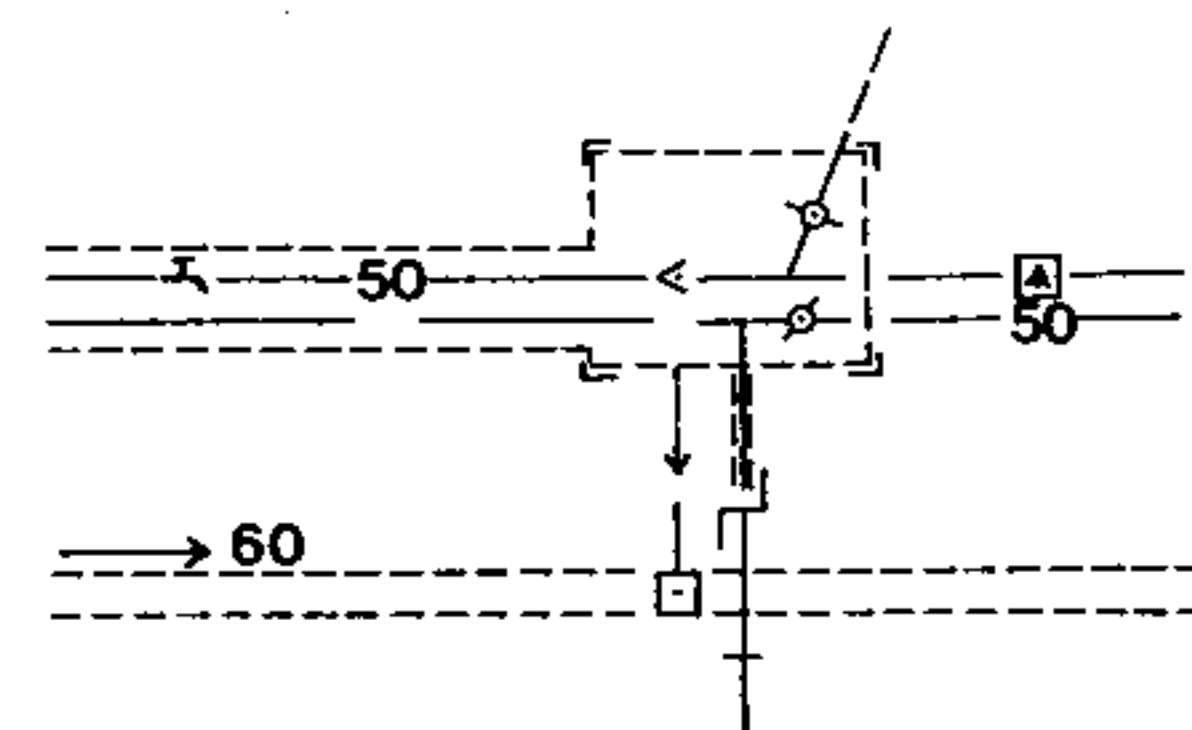
257. Ispušna stanica



258. Mjerna stanica

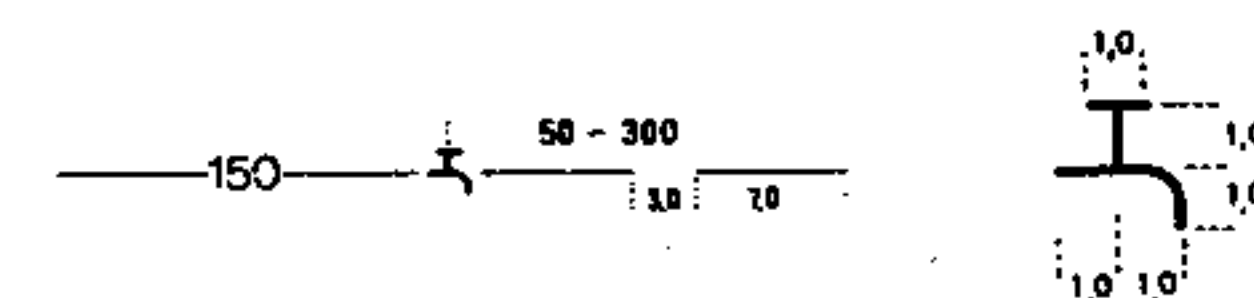


259. Primjer crtanja podzemnih vodova

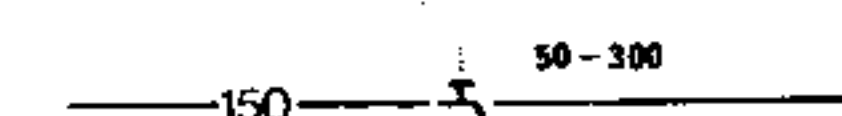


b) Vodovod

260. Cjevovod pod zemljom



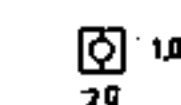
261. Cjevovod na zemlji



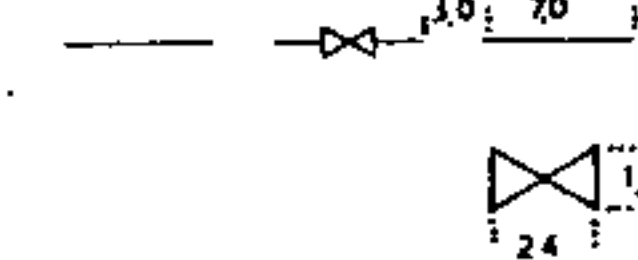
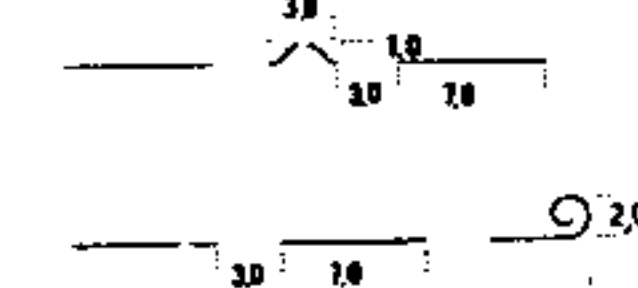
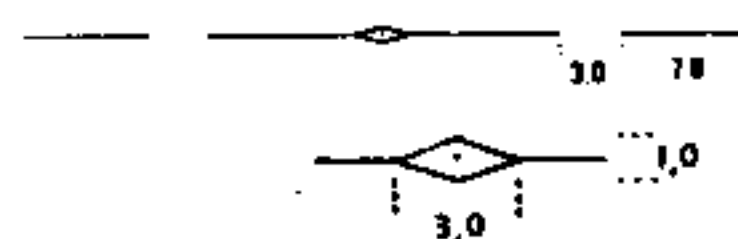
262. Zatvarač na površini



263. Zatvarač u oknu



1:5 000 — 1:10 000 1:20 000 — 1:25 000



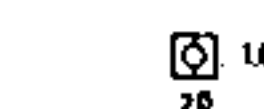
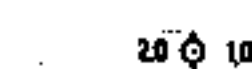
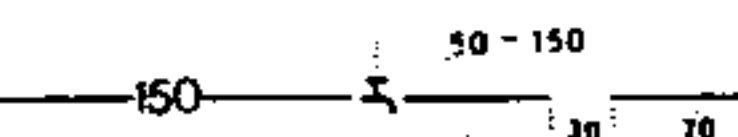
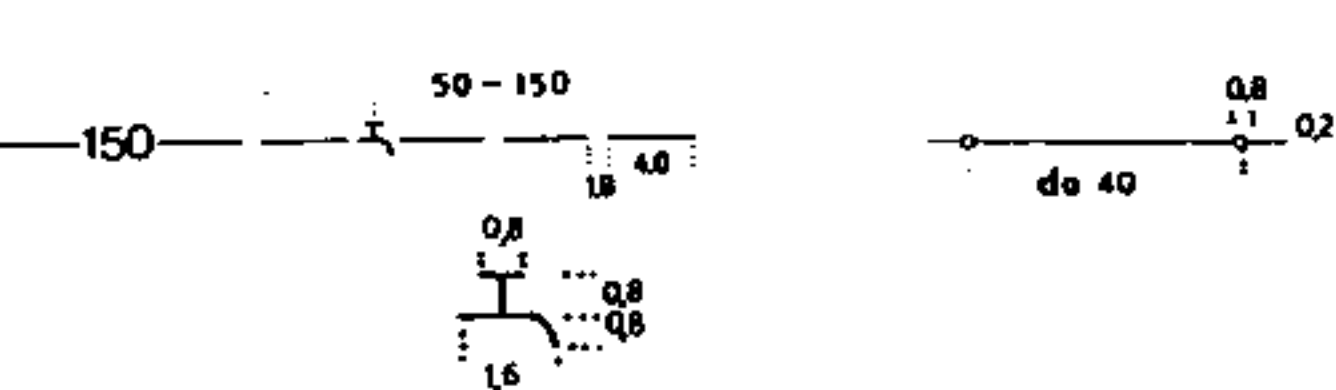
Ad 255 Primjenjuje se u katastru vodova i crta odgovarajućom bojom tuša.

Ad 256. Primjenjuje se u katastru vodova i crta odgovarajućom bojom tuša prema stvarnom položaju.

Ad 257 Primjenjuje se u katastru vodova i crta odgovarajućom bojom tuša.

Ad 258 Primjenjuje se u katastru vodova, a slova se ispisuju odgovarajućom bojom tuša.

Ad 259 Primjenjuje se u katastru vodova i svaki se vod crta odgovarajućom bojom tuša.



Ad 260-261 Na području izvan naseljenog mjesta crta se na listovima Osnovne državne karte i Topografske karte. U katastru vodova crta se plavim tušem.

Ad 262-271 Primjenjuje se u katastru vodova.

1:500 — 1:2000

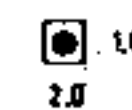
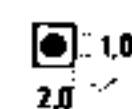
1:5 000 — 1:10 000

1:20 000 — 1:25 000

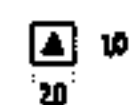
264. Hidrant na površini



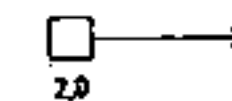
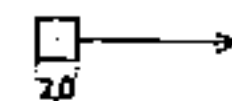
265. Hidrant u oknu



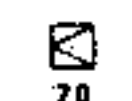
266. Zračni ventil u oknu



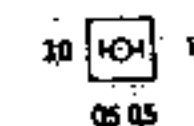
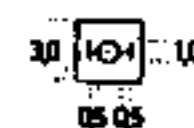
267. Okno s ispustom



268. Regulator pritiska u oknu



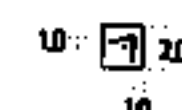
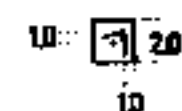
269. Vodomjer u oknu



270. Priključna ogrlica

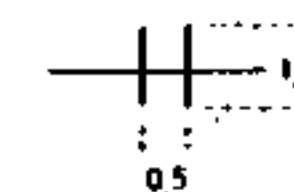
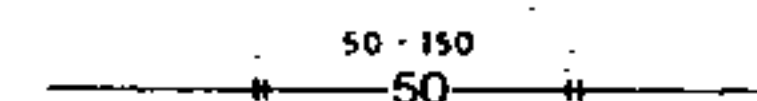
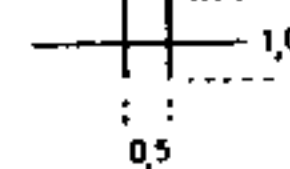
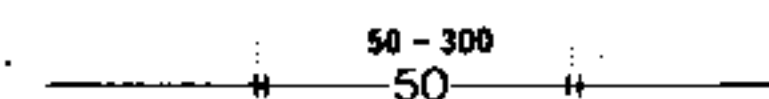


271. Povratni poklopac u oknu



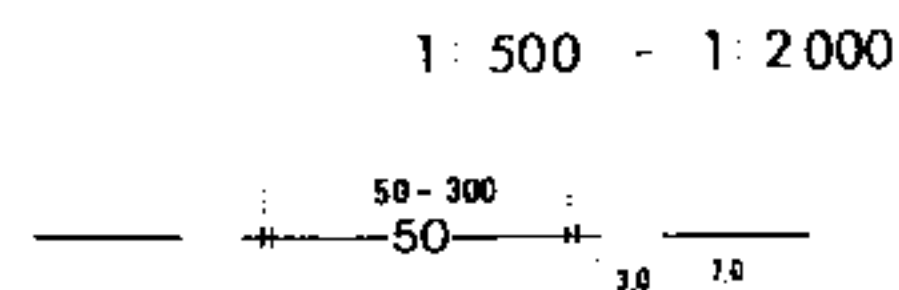
c) Toplovod

272. Cjevovod vrelovoda na zemlji

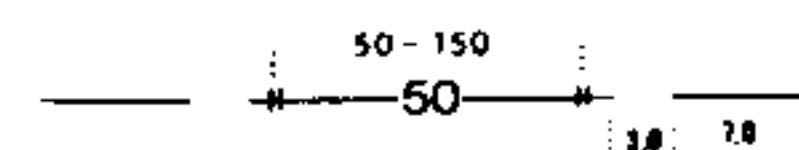


Ad 272 Na planovima i kartama koje nisu sastavni dio elaborata katastra vodova crtaju se linije vodova crnim tušem samo do objekata (zgrada). U katastru vodova crta se žutim tušem i označuje profil.

273. Cjevovod vrelovoda pod zemljom

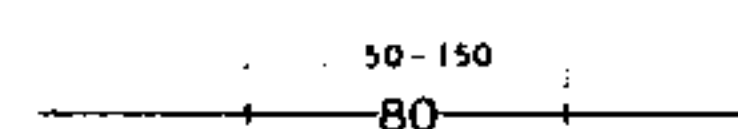
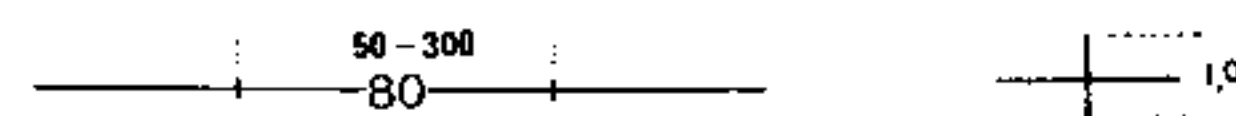


1:5000 — 1:10000 1:20000 — 1:25000



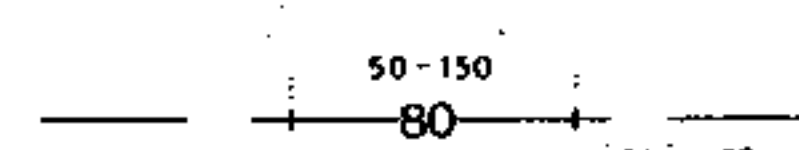
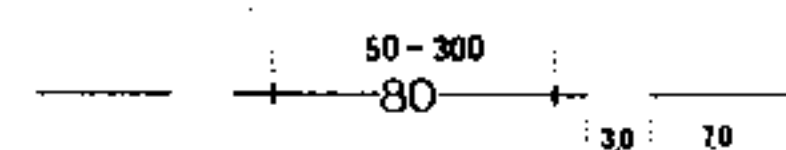
Ad 273 Primjenjuje se u katastru vodova.

274. Cjevovod parovoda na zemlji



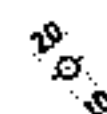
Ad 274 Na planovima i kartama koje nisu sastavni dio elaborata katastra vodova crtaju se linije vodova crnim tušem samo do objekata (zgrada). U katastru vodova crta se žutim tušem i označuje profil.

275. Cjevovod parovoda pod zemljom



Ad 275 Primjenjuje se u katastru vodova i crta žutim tušem.

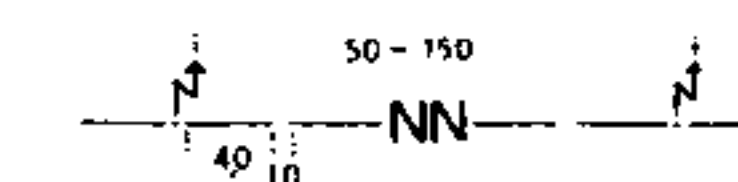
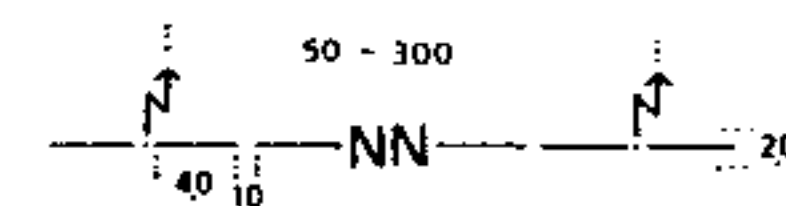
276. Zatvarač



Ad 276 Primjenjuje se u katastru vodova.

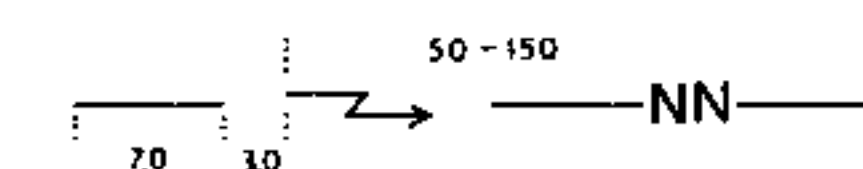
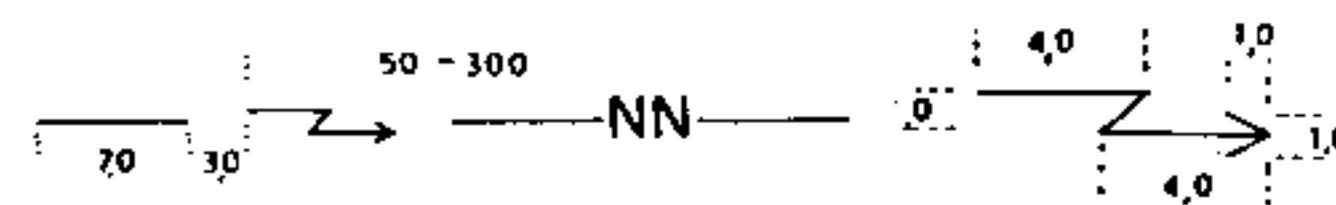
d) Vod električne energije i rasvjete

277. Nadzemni vod električne energije niskog napona na drvenim stupovima



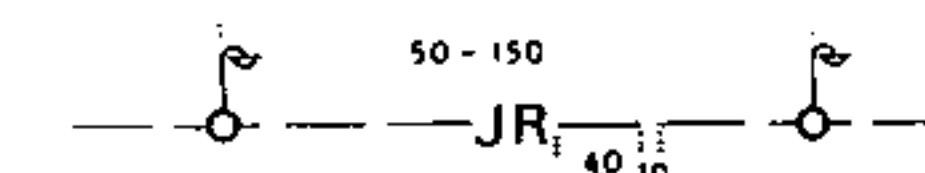
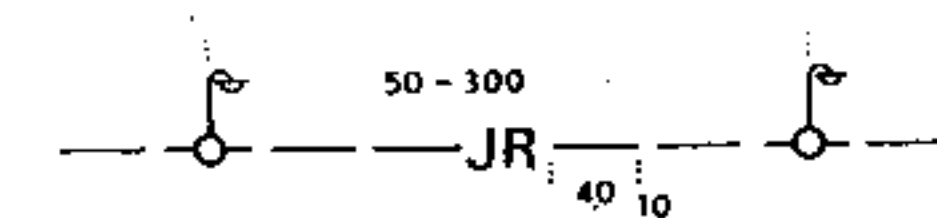
Ad 277-280 U katastru vodova crta se vod i oznaka voda crvenim tušem, a stupovi crnim tušem.

278. Podzemni vod električne energije niskog napona

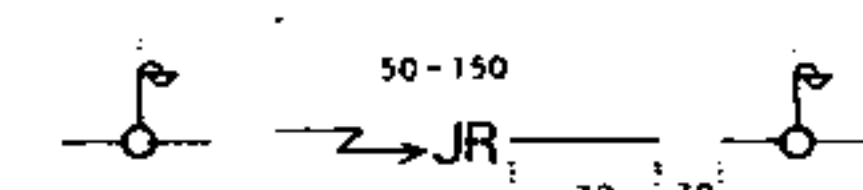
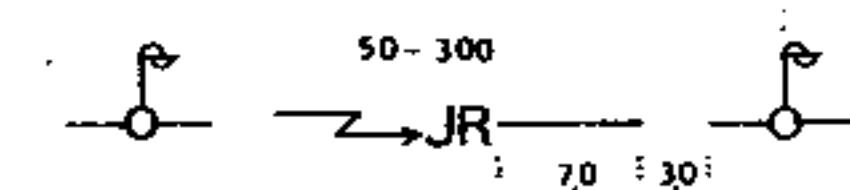


Ad 277-279 Na području izvan naseljenog mjesta crta se na listovima Osnovne državne karte.

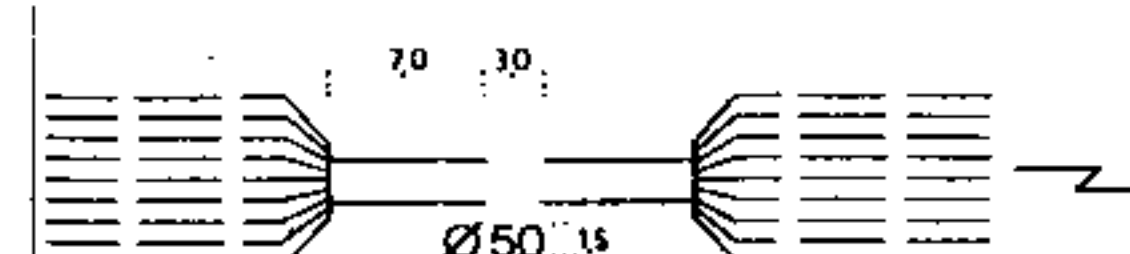
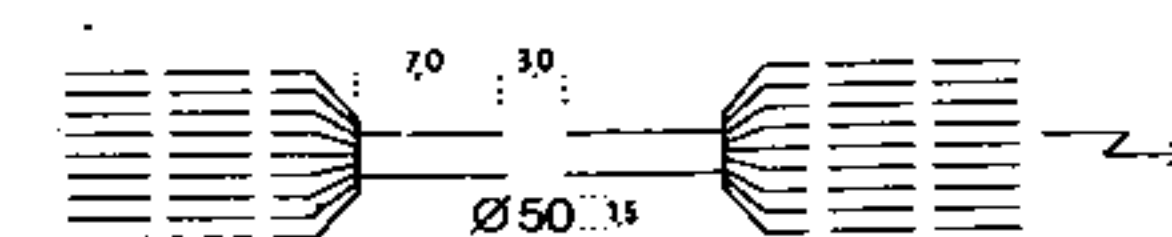
279. Nadzemni vod električne rasvjete



280. Podzemni vod električne rasvjete

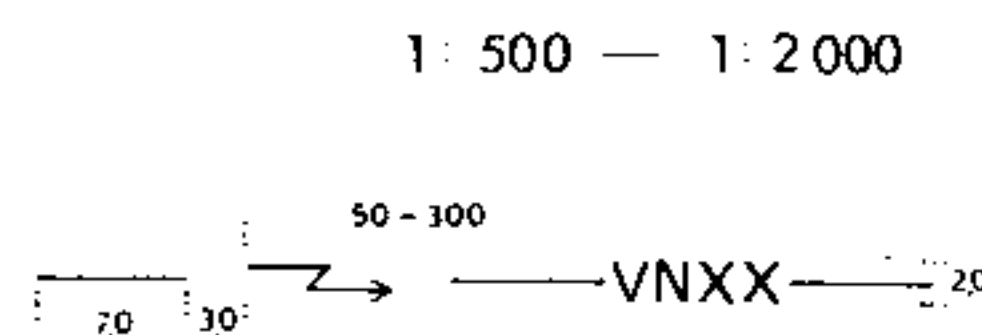


281. Kablovska kanalizacija ispod kolovoza i prijelaza

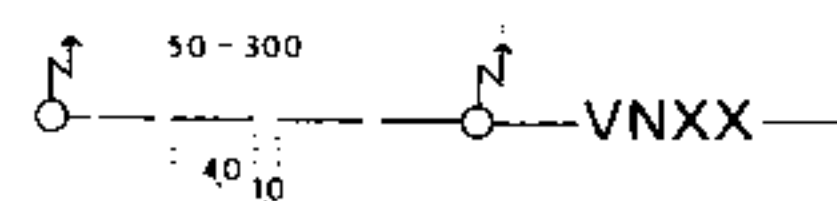


Ad 281-282 U katastru vodova crta se crvenim tušem.

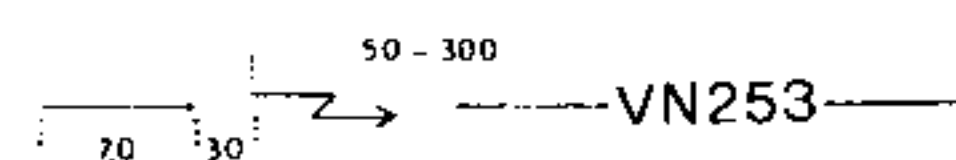
282. Podzemni vod električne energije visokog napona jačine do 30 KV s oznakom napona i brojem voda



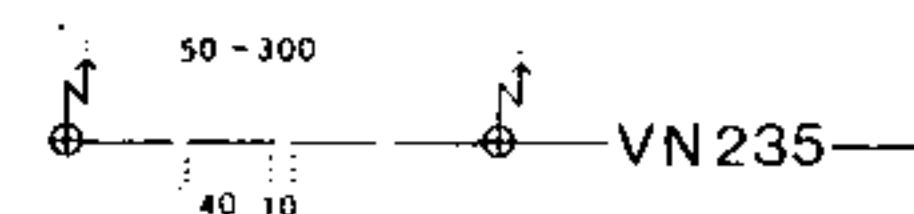
283. Nadzemni vod električne energije visokog napona jačine do 30 KV na betonskim stupovima s oznakom napona i brojem voda



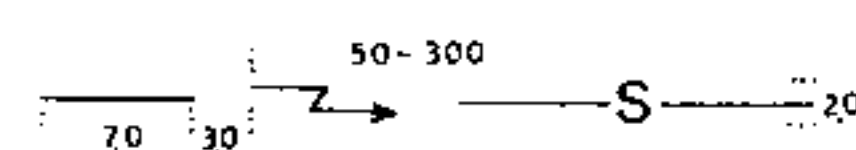
284. Podzemni vod električne energije visokog napona jačeg od 30 KV s oznakom napona i brojem voda



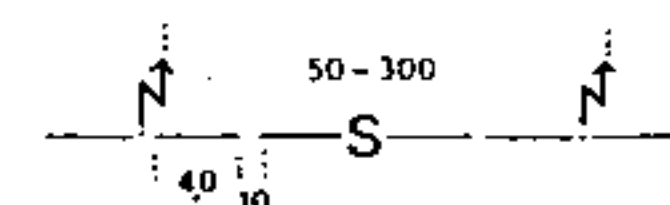
285. Nadzemni vod električne energije visokog napona jačeg od 30 KV na željeznim stupovima s oznakom napona i brojem voda



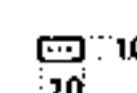
286. Podzemni signalni vod za elektroenergetske uređaje



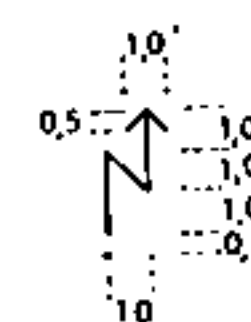
287. Nadzemni signalni vod za elektroenergetske uređaje na drvenim stupovima



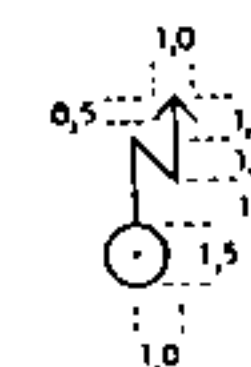
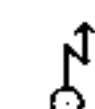
288. Razvodni i priključni ormar



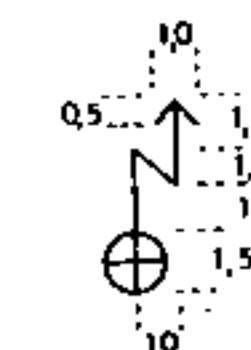
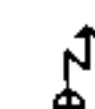
289. Drveni stup nosač voda električne energije



290. Betonski stup nosač voda električne energije

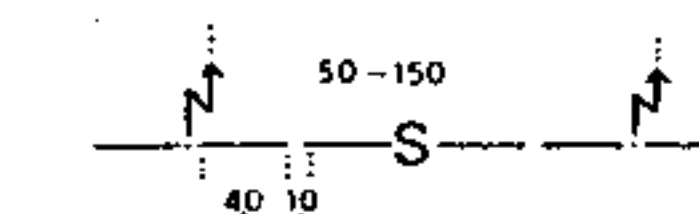
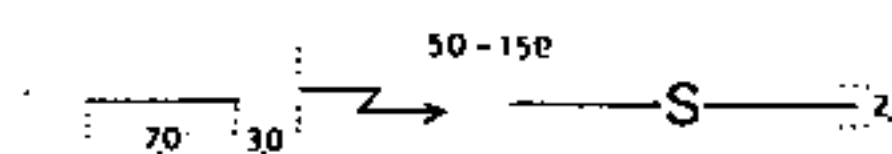
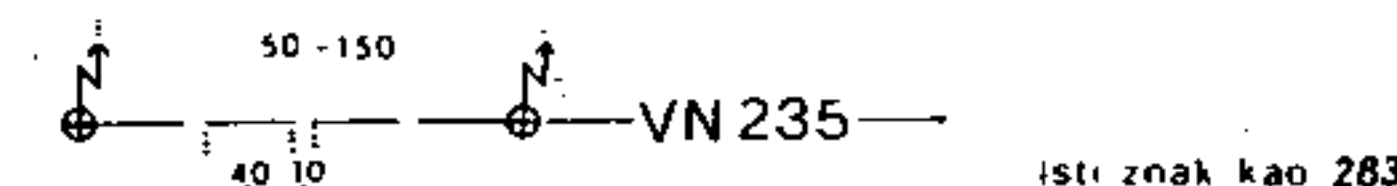
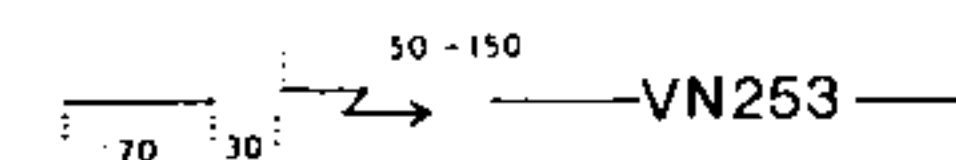
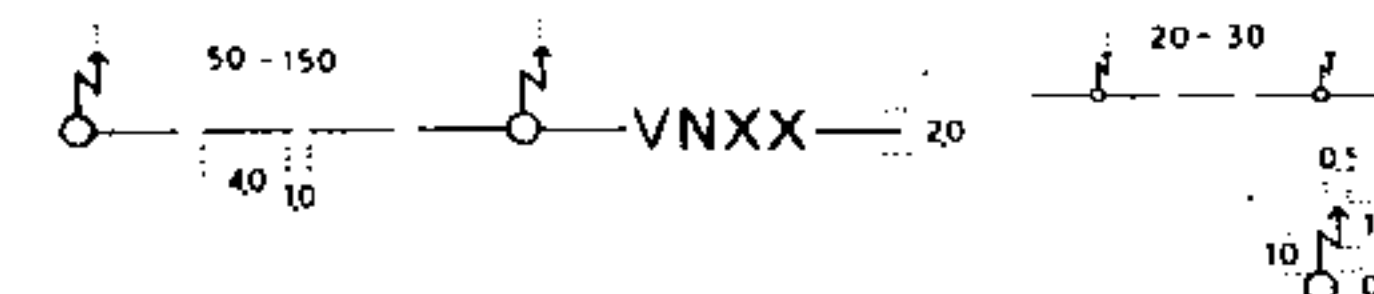
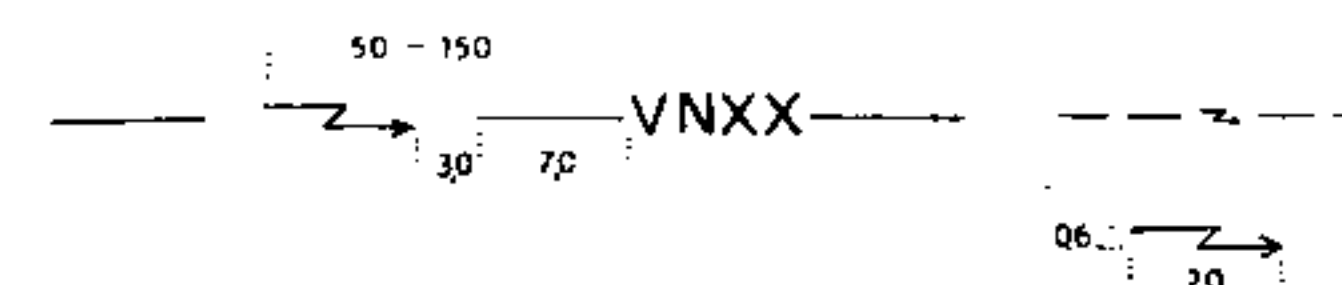


291. Željezni stup nosač voda električne energije veličine do 2 mm na planu i karti



1: 5 000 — 1: 10 0

1: 20 000 — 1: 25 000



Ad 282-285 Na području izvan naseljenog mjesta crta se na listovima Osnovne državne karte i Topografske karte.

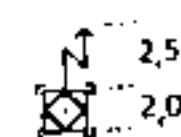
Ad 283-287 U katastru vodova crta se vod i oznaka voda crvenim tušem, a stupovi crnim tušem.

Ad 288 Primjenjuje se u katastru vodova.

1:500 1:2000

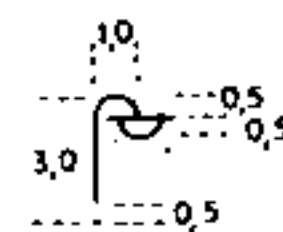
1:5000 — 1:10000 1:20000 — 1:25000

292. Željezni stup nosač voda električne energije veći od 2 mm na planu i karti

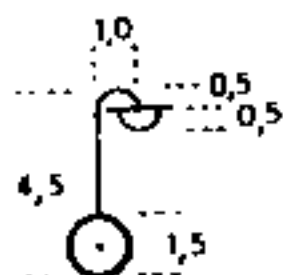


Isti znak kao 290

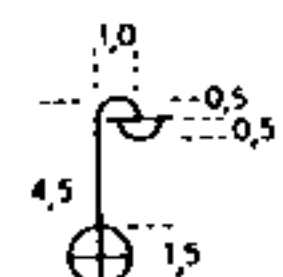
293. Drveni stup nosač voda za javnu rasvjetu



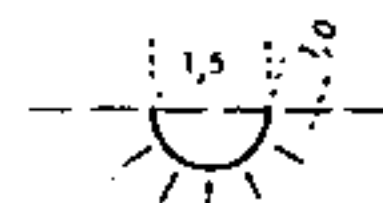
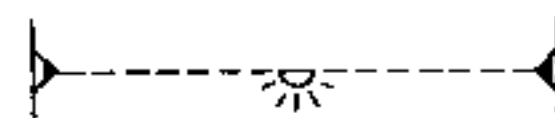
294. Betonski stup nosač voda za javnu rasvjetu



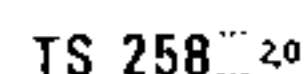
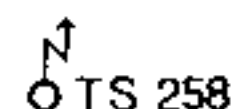
295. Željezni stup nosač voda za javnu rasvjetu



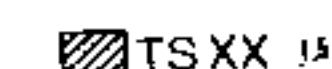
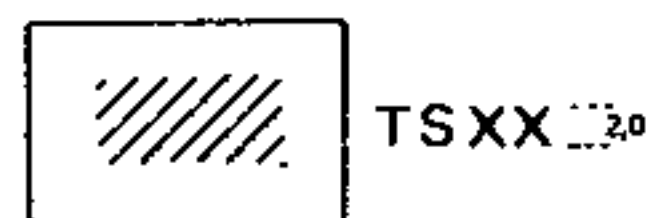
296. Konzola, nosač voda javne rasvjete



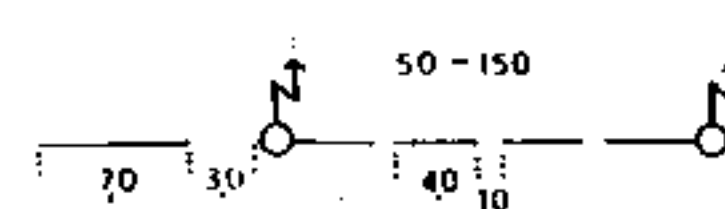
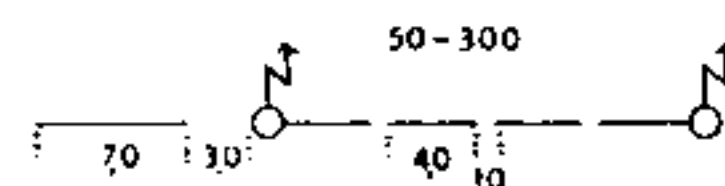
297. Transformatorska stanica na stupu



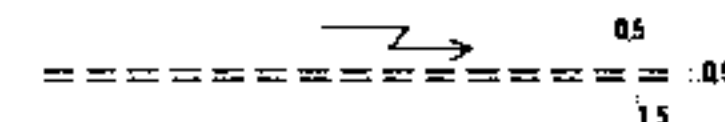
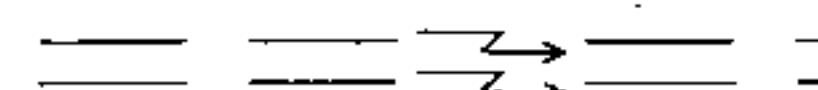
298. Transformatorska stanica u zgradi



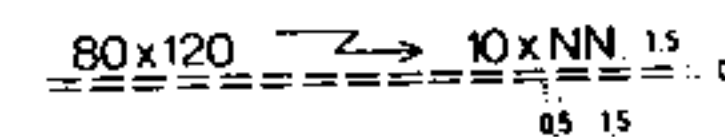
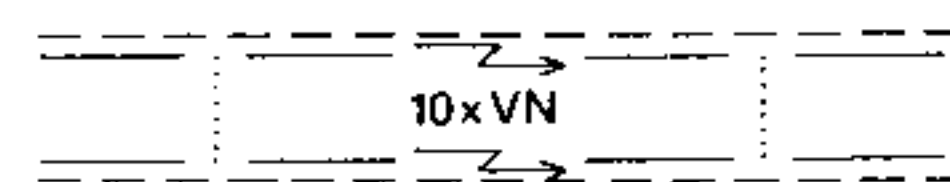
299. Izlaz podzemnog voda električne energije u nadzemni vod



300. Primjer crtanja paralelno položanih kablova bez kanalizacije



301. Primjer crtanja paralelno položanih kablova u kanalizaciji



Ad 293-295 Crtić znaka treba odgovarati naravnom izgledu.

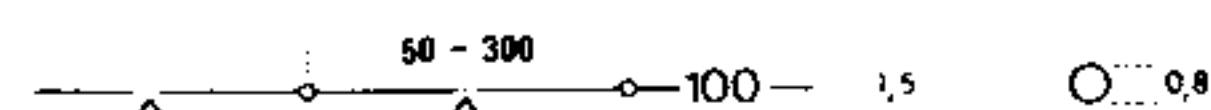
Ad 296 Primjenjuje se u katastru vodova i crta crnim tušem, a vod se crta crvenim tušem prema znaku 279.

Ad 299 Primjenjuje se u katastru vodova. Vod se crta crvenim a stupovi crnim tušem.

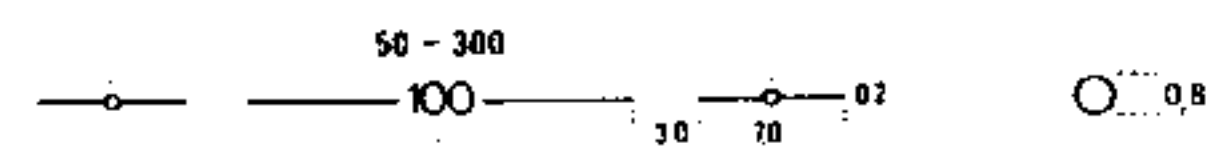
Ad 300-301 Primjenjuje se u katastru vodova i crta se crvenim tušem.

e) Plinovod

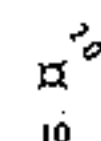
302. Cjevovod na zemlji



303. Podzemni cjevovod



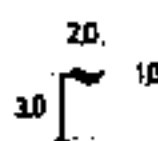
304. Zatvarač



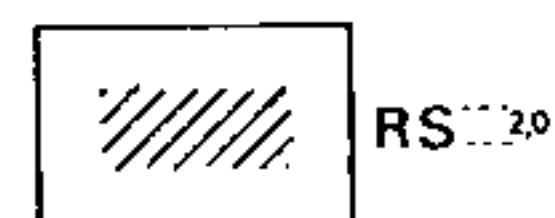
305. Kondenzacioni lonac



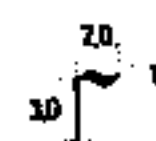
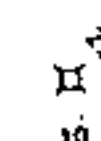
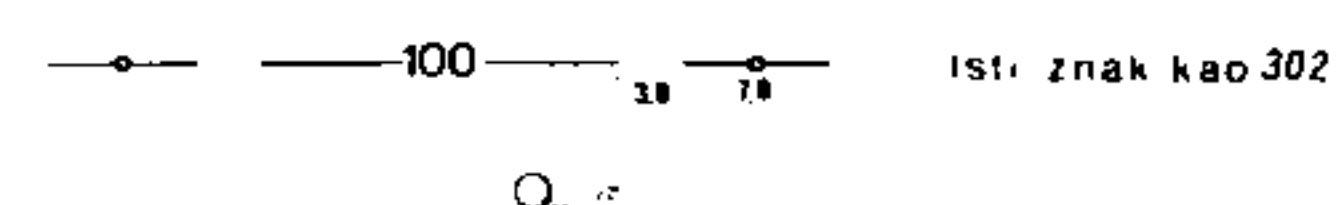
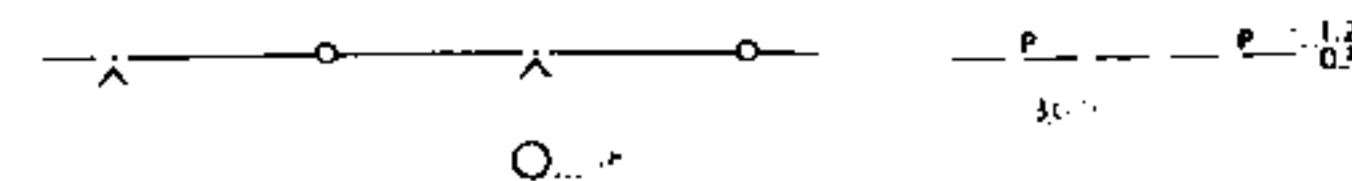
306. Baklja



307. Redukcijska stanica



1:5 000 — 1:10 000 1:20 000 — 1:25 000



Ad 302 Na planovima i kartama katastra vodova crta se svijetlozelenim tušem, a u ostalim planovima i kartama crnim tušem. Dimenzije profila se označuju u katastru vodova.

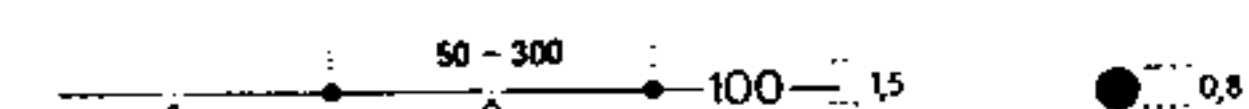
Ad 303 Primjenjuje se u katastru vodova i crta svijetlozelenim tušem.

Ad 304-305 Primjenjuje se u katastru vodova.

Ad 307 Primjenjuje se u katastru vodova.

f) Vod tekućeg goriva

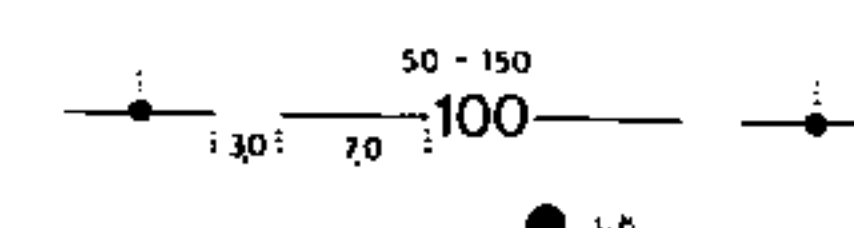
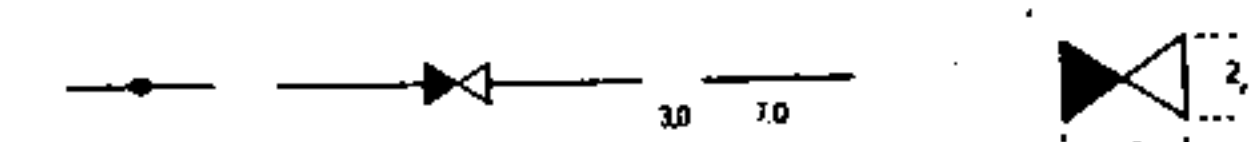
308. Cjevovod na zemlji



309. Podzemni cjevovod



310. Čistačka stanica



Ad 308 Na planovima i kartama katastra vodova crta se tamnozelenim tušem, a na ostalim planovima i kartama crnim tušem. Dimenzije profila se označuju u katastru vodova.

Ad 309 Primjenjuje se u katastru vodova i crta tamnozelenim tušem.

Ad 310-313 Primjenjuje se u katastru vodova.

1:500 — 1:2000

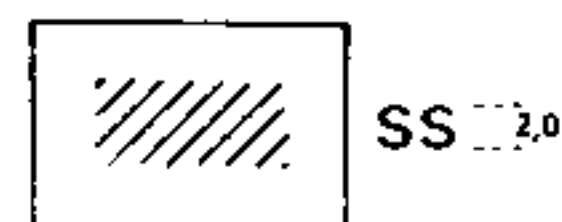
1:5000 — 1:10000

1:20000 — 1:25000

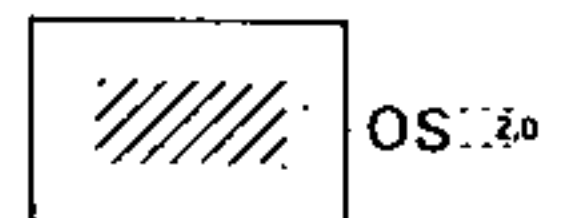
311. Kompresorska stanica



312. Sabirna stanica

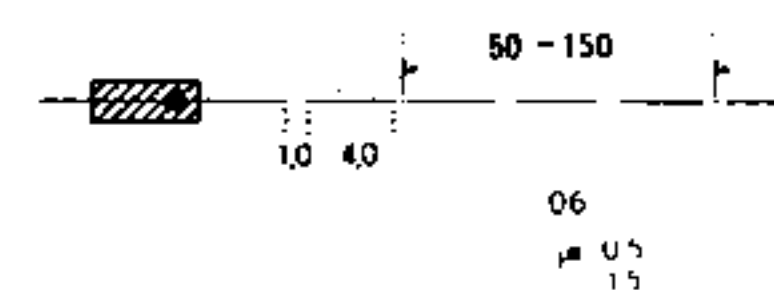
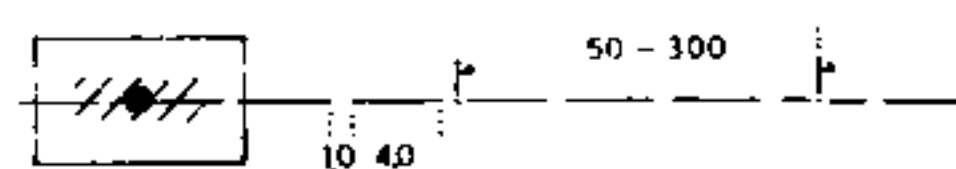


313. Otpremna stanica



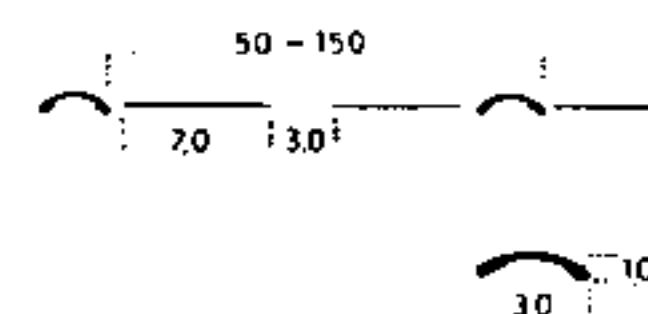
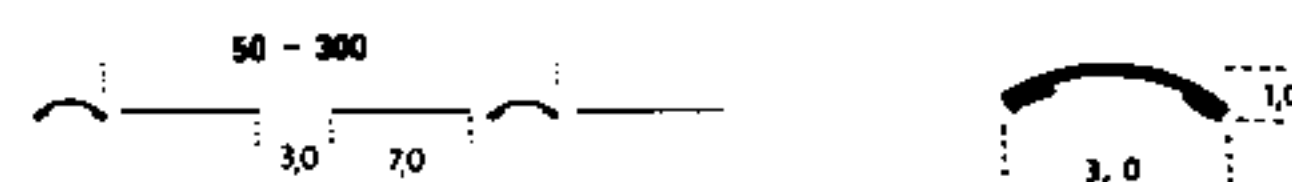
g) Telekomunikacija

314. Nadzemni telegrafsko-telefonski vod



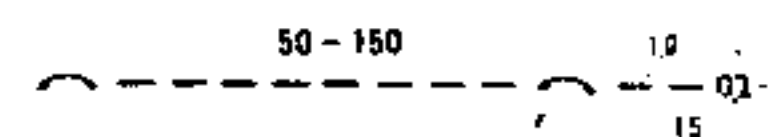
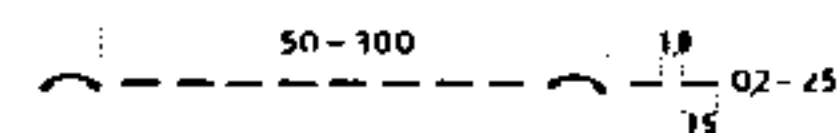
Ad 314 Primjenjuje se u katastru vodova. Vod se crta tamnoljubičastim tušem a stupovi crnim tušem.

315. Podzemni telegrafsko-telefonski vod u rovu



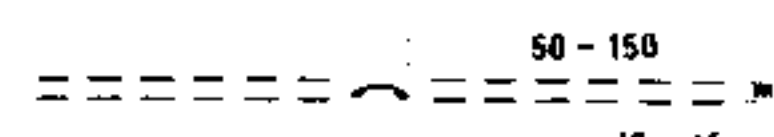
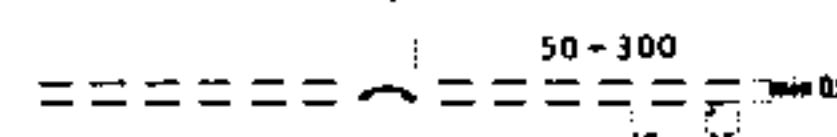
Ad 315-317 Primjenjuje se u katastru vodova i crta tamnoljubičastim tušem.

316. Podzemni telegrafsko-telefonski vod u kanalu širine do 0,5 mm na planu i karti



Ad 314-317 Na području izvan naseljenog mjesta crta se na listovima Osnovne državne karte.

317. Podzemni telegrafsko-telefonski vod u kanalu širem od 0,5 mm na planu i karti

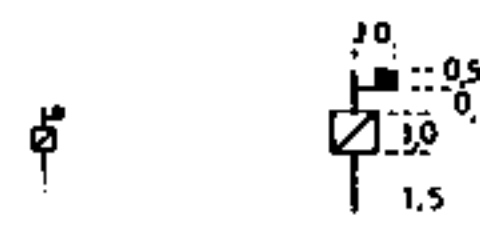


318. Kabelski razdjelnik u ormariću na zidu

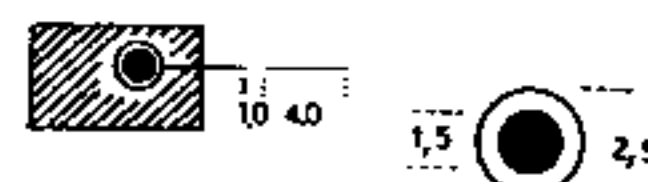
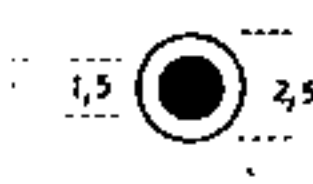
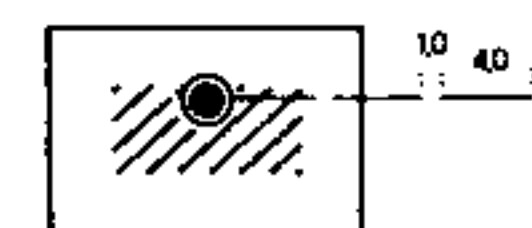


Ad 318-326 Primjenjuje se u katastru vodova.

319. Kabelski razdjelnik u ormariću na stupu

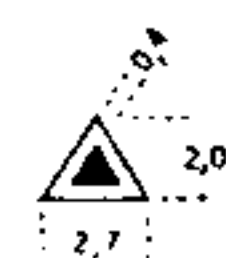
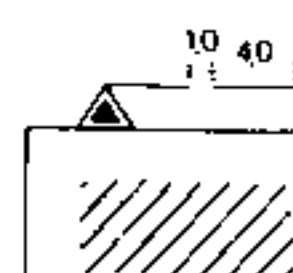


320. Izvod voda na krov zgrade

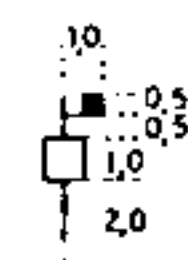


321. Izvod voda na zidu

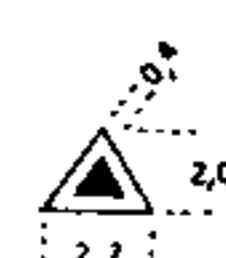
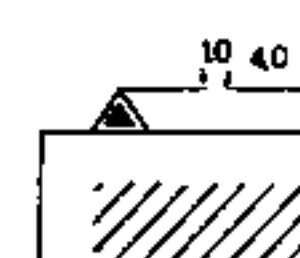
1: 500 — 1: 2 000



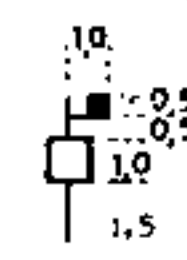
322. Izvod voda na stupu



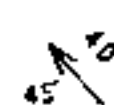
1: 5 000 — 1: 10 000



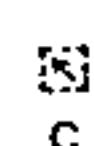
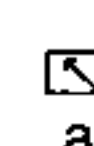
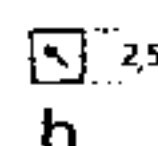
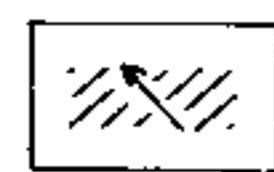
1: 20 000 — 1: 25 000



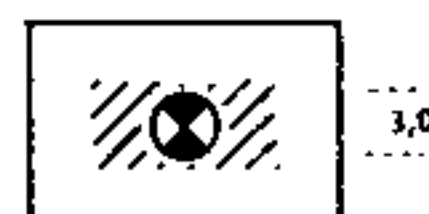
323. Pojačivačka stanica



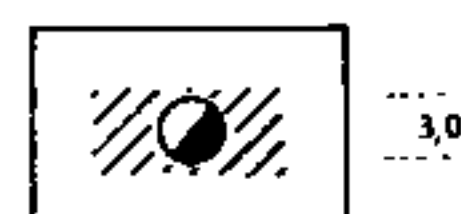
324. Primjer crtanja pojačivačke stanice
a) u zgradi
b) u oknu
c) pod zemljom



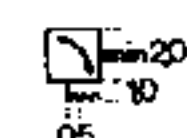
325. Telefonska centrala



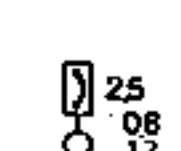
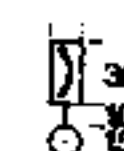
326. Telefonska podcentrala



327. Telefonska govornica, kabina

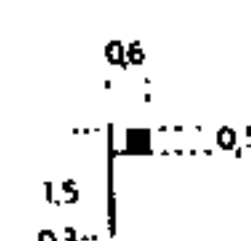
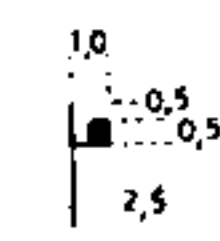


328. Telefonski ormarić na stupu



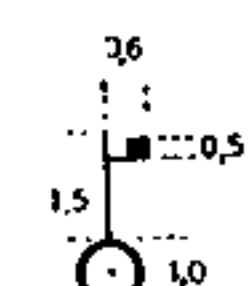
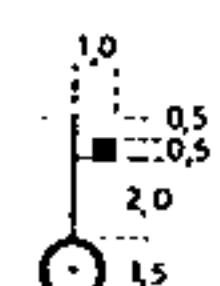
Ad 328 Primjenjuje se u katastru vodova.

329. Drveni telegrafsko-telefonski stup



Ad 329-331 Na listovima Osnovne državne karte crta se stup gdje vod mijenja smjer, a na pravcu se crtaju na 20-30 mm s time, da prikazani stup treba biti na pravom mjestu.

330. Betonski telegrafsko-telefonski stup

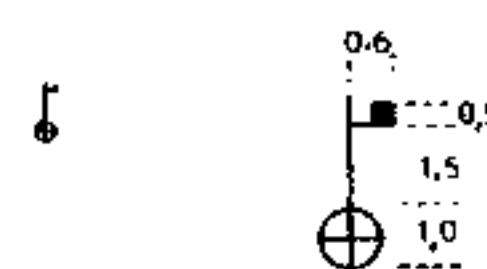


331. Željezni telegrafsko-telefonski stup

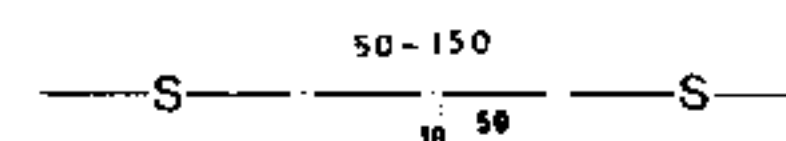
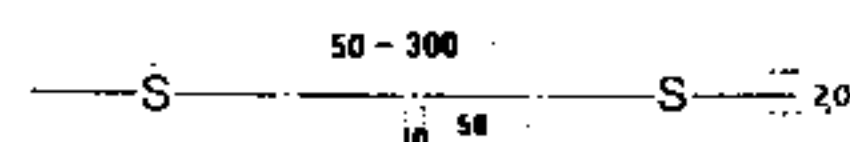
1:500 — 1:2000



1:5000 — 1:10000 — 1:20000 — 1:25000

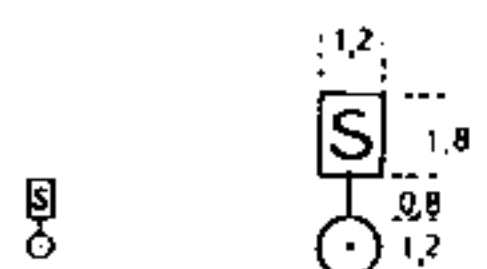


332. Signalni vod za regulaciju prometne svjetlosne signalizacije, sigurnosno-požarne službe i sl.

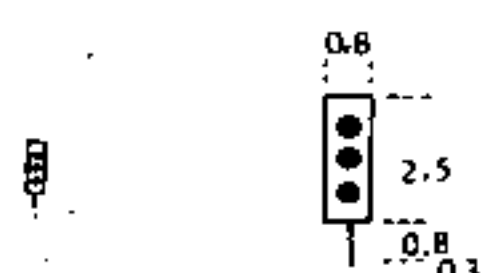


Ad 332-335 Primjenjuje se u katastru vodova.

333. Ormarić s uređajima za reguliranje signalizacije



334. Semafor



335. Javni sat



336. Uređaj za radio i televiziju na željeznom stupu

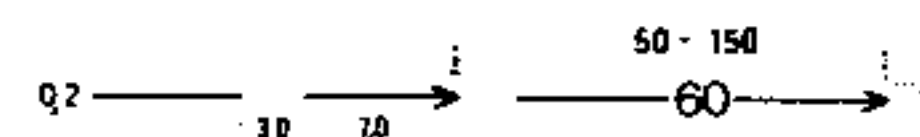
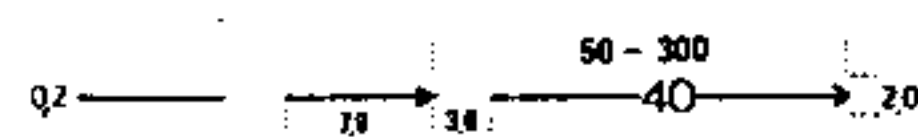


337. Uređaj za radio i televiziju na zgradi



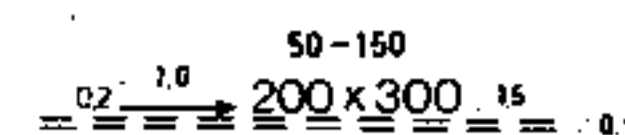
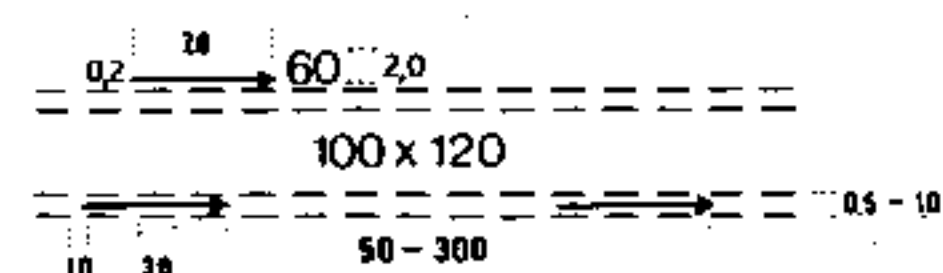
h) Kanalizacija naseljenih mjesta

338. Zatvoreni kanal, cjevovod širine do 0,5 mm na planu ili karti



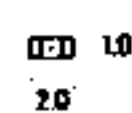
Ad 338 Primjenjuje se u katastru vodova i crta tamnosmeđim tušem.

339. Zatvoreni kanal, cjevovod širi od 0,5 mm na planu ili karti



Ad 339 Primjenjuje se u katastru vodova i crta se tamnosmeđim tušem. Regulirani nadsvodeni prirodni vodotok koji služi za kanalizaciju naseljenog mjesta crta se na ostalim planovima i kartama crnim tušem.

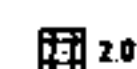
340. Slivnik



Ad 340-342 Primjenjuje se u katastru vodova.

1: 500 — 1: 2 000

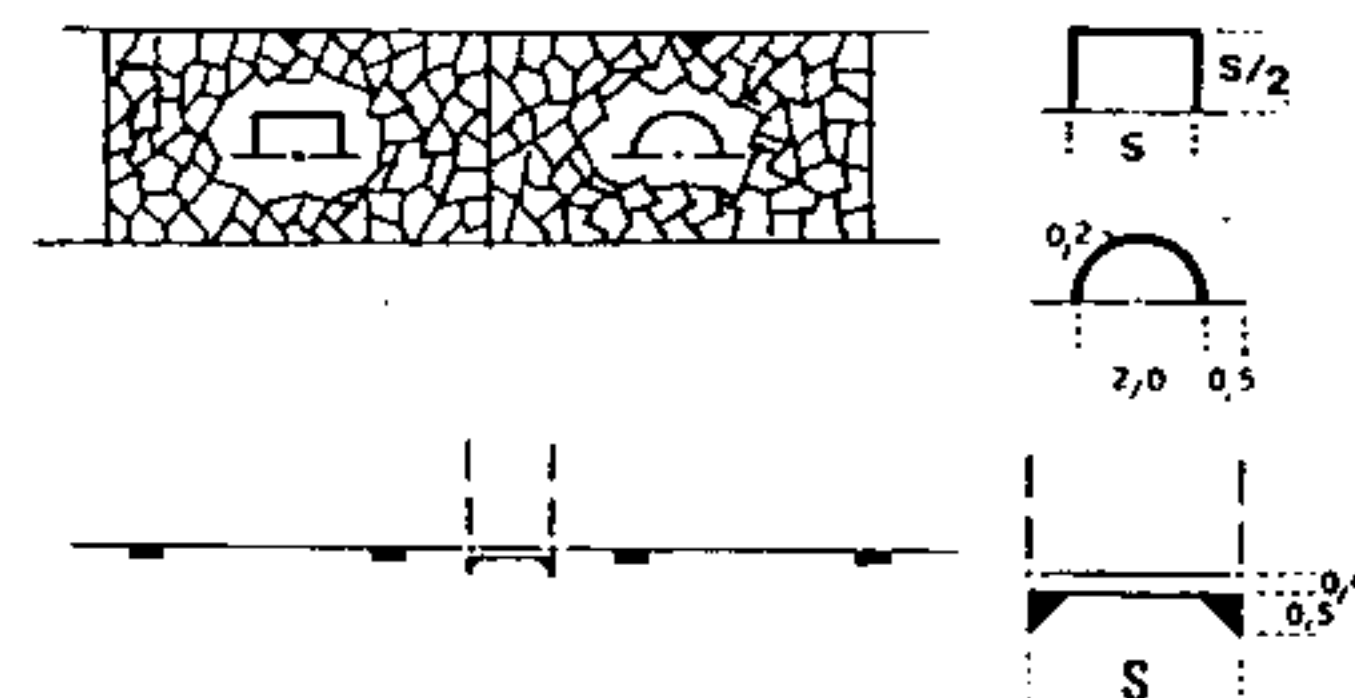
341. Taložnica veličine do 2 mm na planu i karti



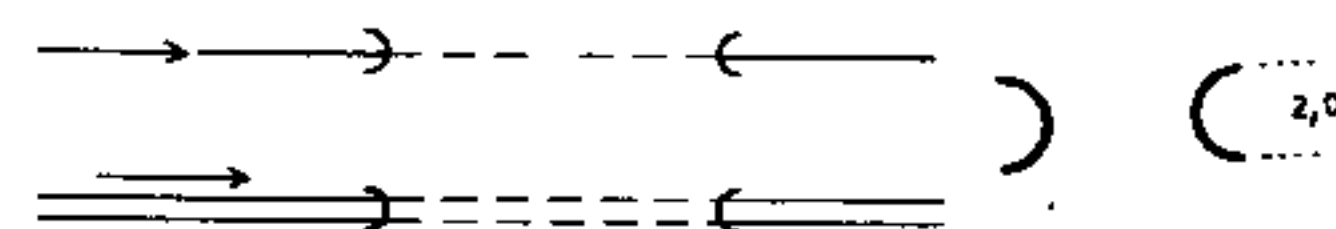
342. Taložnica veća od 2 mm na planu i karti



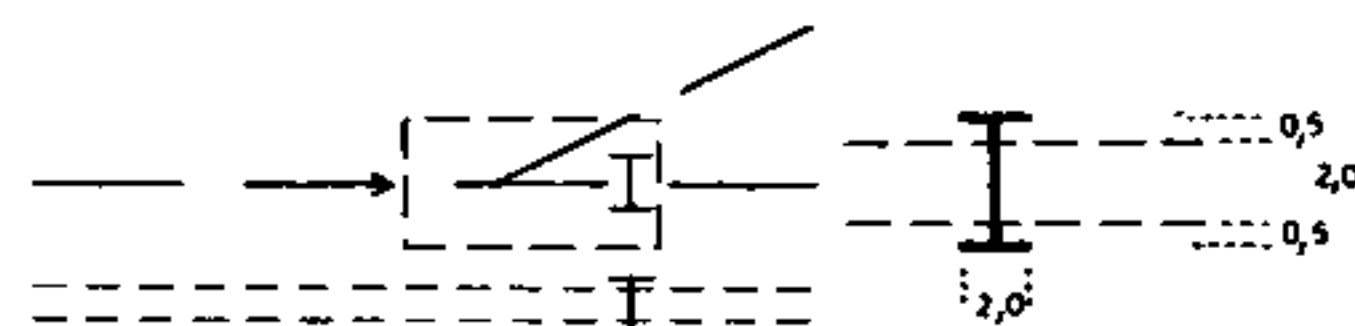
343. Ušće zatvorenog kanala, cjevo voda u otvoreni recipijent



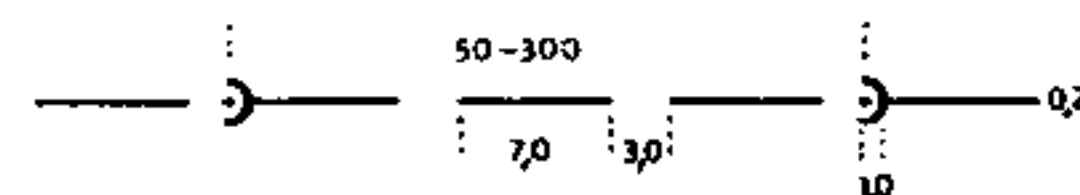
344. Sifon



345. Splavna vrata

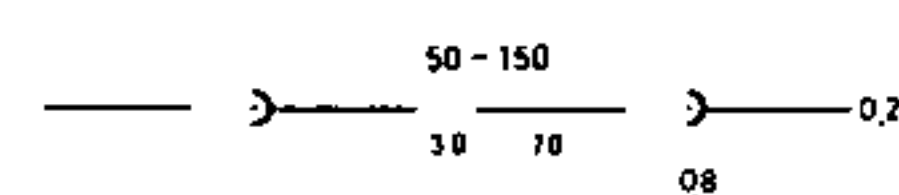
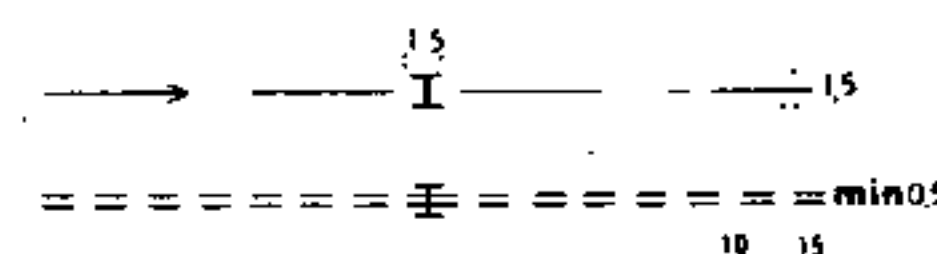
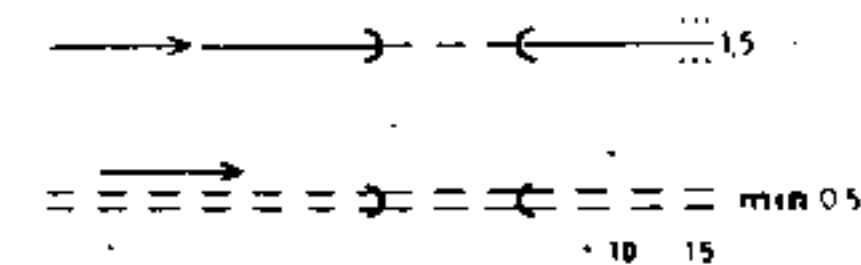
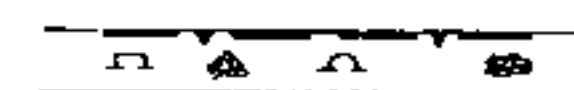


346. Drenaža



1: 5 000 — 1: 10 000

1: 20 000 — 1: 25 000



Ad 343 Crtaj znaka treba odgovarati naravnom izgledu objekta.

Ad 344-346 Primjenjuje se u katastru vodova i crta se tamnosmeđim tušem

XI KRATICE NAZIVA NA PLANOVIMA I KARTAMA
U MJERILU OD 1:500 DO 1:20.000

B	Benzin
BC	Benzinska crpka
Bz	Bazen
Cg	Ciglana
Cr	Carinarnica
DK	Dom kulture
Dp	Deponija materijala, deponija jalovine
DNZ	Dom narodnog zdravlja
G	Glina, iskop gline
Gs	Gostionica, restauracija
H	Bolnica
HE	Hidroelektrana
Ht	Hotel
I	Ilovača, iskop ilovače
JR	Električni vod javne rasvjete
K	Kamen, kamenolom
K.o.	Katastarska općina
Kr	Karaula
KS	Kompresorska stanica kod voda tekućeg goriva
Kz	Kazalište
L	Lokva
LC	Lokalna cesta
MC	Magistralna cesta
Mg	Mareograf
Ml	Mlin
MS	Mjerna stanica kod vodova
Mt	Motel
Mz	Muzej
N	Nafta
NE	Nuklearna elektrana
NN	Vod električne energije niskog napona
OS	Otpremna stanica kod voda tekućeg goriva
P	Plin
PD	Planinarski dom, planinarska kuća, turistički dom
Ps	Pijesak, iskop pijeska
PTT	Poštanski ured
R	Reper nivelmana visoke točnosti, preciznog nivelmana i tehničkog nivelmana
Rb	Ribnjak
RC	Regionalna cesta
RS	Redukcijska stanica, regulatorska stanica
Rz	Spremište, rezervar
S	Signalni vod
Si	Silos
SJS	Stanica javne sigurnosti, milicijska stanica

Sm	Samostan
So	Solana
Sp	Spomen-ploča
SS	Sabirna stanica kod voda tekućeg goriva
Šk	Škola
Šm	Šumarija, šumarska kuća, lugarnica
TE	Termoelektrana
Tp	Toplana
TS	Transformatorska stanica
Tv	Tvornica
Ug	Ugljen, ugljenokop
UZ	Upravna zgrada savezne, republičke i općinske uprave, sud i druge zgrade javne namjene
VD	Vatrogasni dom
VN	Vod električne energije visokog napona
ZD	Zadružni dom
ZL	Zračna luka, aerodrom
ZS	Zdravstvena stanica
ŽS	Željeznička stanica, kolodvor

XII TIPOVI SLOVA I BROJEVA

TIP	IZGLED PISMA
A	POKUPSKO KRAVARSKO KRIŽ
B	6 E 30 DARUVAR
C	PODKUĆNICE BUĐAK
D	<i>KRKA PIROVAČKI ZALJEV</i> p. Bizek
E	Sv. Antun MEDVEDGRAD
F	VIROVITICA Vaška Novaki
G	<i>Dugački</i> <i>Lug</i> <i>Lukinići</i>
H	<i>MEDVEDNICA</i>

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