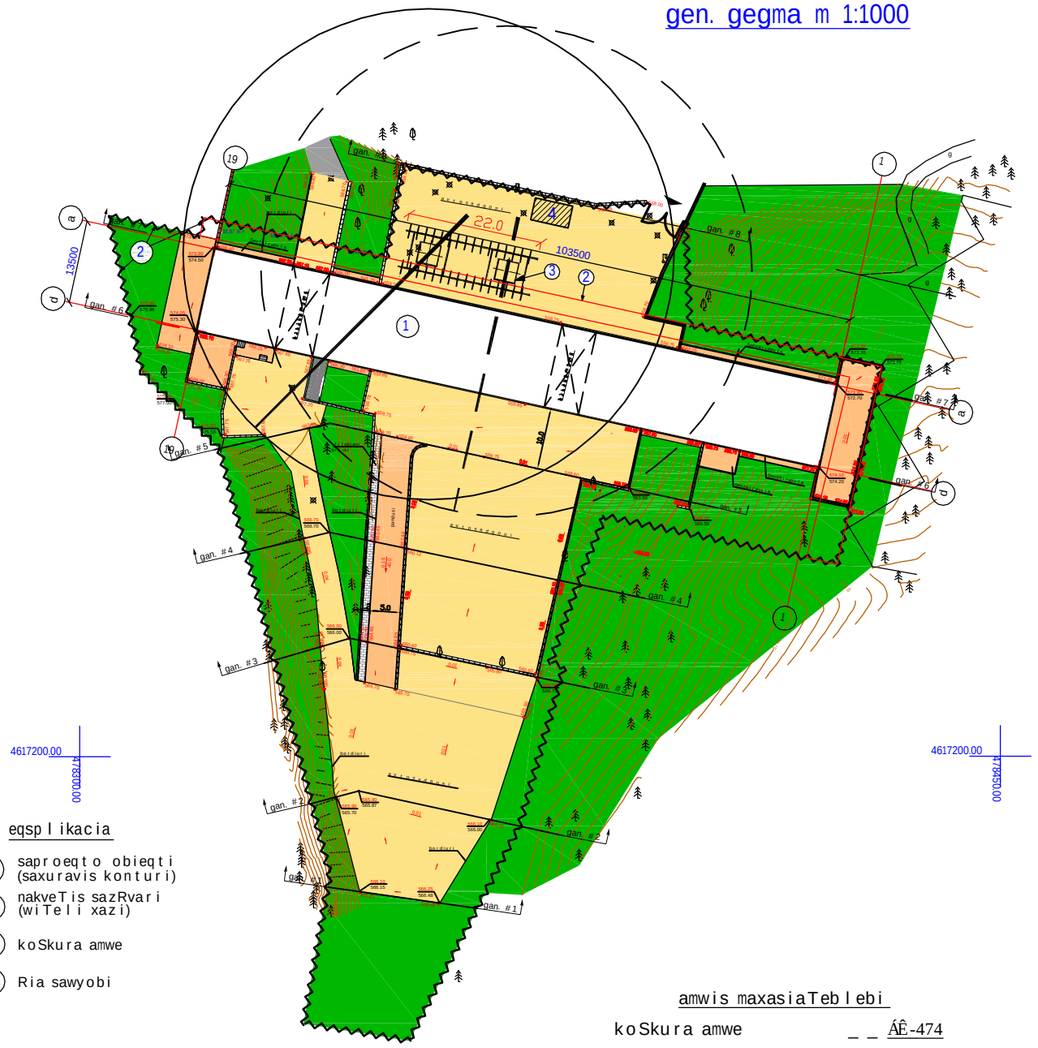
gen. gegma m 1:1000



eqsplikacia

1. saproeqto obieqti (saxuravis konturi)
2. nakveTis sazRvari (wiTeli xazi)
3. koSkura amwe
4. Ria sawyobi

pirobiTi aRniSvnebi

- ZiriTadi Senoba
- droebiTi Robe
- Ria sawyobi

amwis maxasiaTeblebi

koSkura amwe	ÁÊ-474
Senobis simaRle	37.30 m
usafrTxo manZili	2.0 m
tvirTis simaRle	2.0 m
kakvis simaRle	2.0 m
amwis simaRle	43.00 m
amwis isris maqs. Svera	40.0 m
tvirTamweoba	4•8 t/m²

miTiTebani

1. dacul iqnas usafrTxoebis RonisZiebebi;
2. akrZalul iqnas ucxo pirebis moxvedra samSeneblo moedanze;
3. gamoyenebul iqnas arsebuli infrastruqtura;
4. s/s samuSaoebisaTvis gaTvaliswinebulia koSkura amwe, aseve muxluxasavaliani amwe *RDK-25*, romelic imuSavebs Senobis kideze „1~ RerZis gaswvriv;
5. teritoriaze arsebuli nargavebis gadatana mxodes meriis Sesabamis samsaxurTan SeTanxmebis safuZvelze;
6. mSeneblobaze ganxorcieldes xarisxis kontroli;
7. gaTvaliswinebul iqnas konstruqtoris miTiTebani;
8. droebiTi Sesasvleli gaTvaliswinebulia quCis mxridan;
9. teritoriaze ganTavsdes baneri samSeneblo samuSaoebis warmoebis Sesaxeb, aseve gamafrTxilebeli baneri usafrTxoebis wesebis Sesaxeb;

ganmartebiTi baraTi

1. mSeneblobis organizaciis proeqti damuSavebulia Semoklebul variantSi.
2. mSeneblobisTvis gamoyofili teritoria mdebareobs q. Tbilisi, WavWavaZis #80-Si mdebare (yofili sastumro „vake~). teritoria xasiaTdeba cvalebadi reliefiT. saproeqto Senoba Sedgeba 4 blokisagan, I bloki - 6, II bloki - 9, III bloki - 9, IV bloki - 7 sarTuliania. geomorfologiurad samSeneblo moedani imyofeba damakmayofilebel pirobebSi, vinaidan araxelsayreli fizikur-geologiuri movlenebi ara aRiniSneba. ubnis geologiur WrilSi, sarekonstruqcio Senobis dafuZnebis pirobebis gaTvaliswinebiT, gamoiyofa ori sainJinro geologiuri elementiT:
   I. sge _ Tixovani grunti - arajdomadi Tixnari (fena #2), saangariSo winaRobiT R_0=2,5kg.Z/sm^2.
   II. sge _ gamofituli ZiriTadi qanebi _ agelitebis da Tixovani qviSaqvebis morigeoba (fena #4), saangariSo winaRobiT R_0=4,5kg.Z/sm^2. sarekonstruqcio Senoba dafuZnebulia Senobis grZivi RerZis ganivad ganlagebul lentur (zolovan) saZirkvlebze amoyvanili rk.betonis sayrdenebiT. rk.betonis saZirkvlebi kargmdgomareobaSia - Sesrulebulia mtkice betoniT. Senobis dasavleTi nawili dafuZnebulia lsge-s gruntze - Tixnarze, xolo danarCeni nawili (aRmosavleTi frTa da centraluri nawili) - II sge-s gruntze - ZiriTad qanebze (fena 4). fizikur-geologiuri TvalsazrisiT samSeneblo ubnis grunti myaria da uaryofiTi geologiuri movlenebi mosalodneli ar aris. axali proeqtiT 0.00 niSnulze ganTavsebulia avtosadgomebi da sazogadoebrivi daniSnulebis farTi, aseve erTi mali gaxsnilia Sida ezoSi Sesasvlelad. 3.45 -•25.55 niSnulamde ganTavsebulia sacxovrebeli binebi. axali proeqtiT Senoba dayofilia oTx blokad: I bloki _ „1-4~ RerZebSi; II bloki _ „5-9~ RerZebSi; III bloki _ „10-14~ RerZebSi; IV bloki _ „15-19~ RerZebSi.
3. sarekonstruqcio Senobaze arsebuli mdgomareobiT moixsna ori me-7-8 sarTulis gadaxurvis filebi, moixsna arsebuli sainJinro qselebi da moxsnilia arsebuli tixrebi.
4. proeqtiT gaTvaliswinebulia 21.55, 25.55 niSnulze sarTulis mzidi konstruqciis mowyoba. aRniSnul niSnulze ganTvasdeba sacxovrebeli binebi. 29.20 niSnulze moewyoba brtyeli gadaxurva - saxuravi. moewyoba axali gegmarebiT gaTvaliswinebuli kedlebi da tixrebi. moewyoba axali sainJinro qselebi. bolo periodSi ki moxdeba teritoriis keTilmowyoba. arsebuli Senobis konstruqcia - mzidi CarCoebi monoliTuri rk.betonis. pirveli sarTulis svetebi daarmirebulia kuTxovanebiT, romlebic SeerTebulia liTonis furclebiT. ganivi mimarTulebis CarCoebi grZivi mimarTulebiT erTTmaneTTan dakavSirebulia monoliTuri rk.betonis rigebiT ganivkveTiT 40x42, 40x50 da asawyobi Semkravi brtyeli rigebiT, simaRliT 25sm. Senobebs ar gaaCniaT vertikaluri sixistis diafragmebi, horizontalur seismur Zalebs, rogorc ganivi ise grZivi mimarTulebiT iReben CarCoebi. sarTulSua gadaxurvebi mowyobilia anakrebi gadaxurvis Rrutaniani filebiT, romlebic ganivi mimarTulebis sammalian CarCoebzea damontaJebuli. arsebuli ormarSiani kibe mowyobilia liTonis Canebze anakrebi safexurebiT, romlebic moixsneba da moewyoba axali rk.betonis kibis ujredebi. proeqtiT gaTvaliswinebulia arsebuli mzidi konstruqciebis gaZliereba-gamagreba. axali daSenebuli sarTulebis konstruqcia monoliTuri rk.betonis. saxuravi brtyeli gadaxurva. saqarTvelo teritoriis seismuri daraionebis sqemis mixedviT, mSeneblobisTvis gamoyofili teritoria mdebareobs 8 balian seismur zonaSi.
5. saproeqto obieqtis mSenblobis xangrZlivoba ganisazRvreba saamSeneblo normebis da wesebis _ СНиП-1.04.03-85 mixedviT, aRniSnuli samuSaoebis gaTvaliswinebiT mSeneblobis xangrZlivobad miRebulia 24 tve.

muxluxasavaliani amwis **RDK-25** teqnikuri maxasiaTeba

1. koSkis simaRle ---------- 17.5m
2. batiyelis sigrZe ---------- 15.0m
3. isris Svera
   minimaluri ---------- 5.2m
   maxsimaluri ---------- 16.55m
4. tvirTamweoba
   maqsimaluri ---------- 13.0 tn
   minimaluri ---------- 2.23 tn
5. awevis simaRle
   maqsimaluri ---------- 30.10m
   minimaluri ---------- 12.32m
6. amwis wona ---------- 48 tn

	S.p.s. "makotoproeqti"		q.Tbilisi, WavWavaZis #80-Si mdebare, (yofili sastumro vake) Senobis sareabilitacio-sarekonstruqcio samuSaobis proeqtis koreqtireba		
pr.xelmZRvaneli:		l. beriZe	mSeneblobis organizacia	2012 w.	
			ganmartebiTi baraTi, gengegma	stadia	m
				furc. #	mo-1
daamuSava:		T. zarqua		furcl. raod.	3
Seamowma:		v. Zagania			

6. pirveli etapze moxdeba gamagrebis samuSaoebis warmoeba. Semdeg 21.55 da 25.55 niSnulze moewyoba mzidi konstruqciebi. Semdeg moewyoba Senobis saxuravi. Senobis mSeneblobis dasrulebis Semdgomi periodi daeTmoba darCenili samuSaoebis dasrulebas, kerZod: kedlebis Sevsebas, kar-fanjrebis mowyobas, sainJinro qselebs, mopirkeTebis da fasadis samuSaoebs. mSeneblobis bolo periodSi moxdeba teritoriis keTilmowyobasamSeneblo masalebis miwodeba moxdeba quCis mxridan etapobrivad mSeneblobis periodebis gaTvaliswinebiT.

7. samSneblo moednis uzrunvelyofa droebiTi energiiT da wyliT moxdeba saproeqto qselebidan. samSeneblo moednidan nagavi etapobrivad gatanil iqnas etapobrivad.

8. mSeneblobis organizaciis proeqtSi momuSaveTa Sromis usafrTxoebis da sanitarul-higienuri momsaxurebis sakiTxebze mTavar wyarod warmodgenilia saamSeneblo normebisa da wesebis ÑÍ èÏ -III-4-80* <<usafrTxoebis teqnika mSeneblobaSi>>.

9. samuSaoTa warmoebis wesebi da meTodebi;

samSeneblo samuSaoebis dawyebamde: mSenebare organizaciam Seadginos samuSaoTa warmoebis proeqti.

miwis samuSaoebi:

gruntis damuSaveba moxdes ukuCamCiani eqskavatoriT - 0.5 m3 da xeliT. qvabulis damuSaveba moxdes xelovnuri saZirkvlis Ziris niSnulamde. zedmeti damuSavebuli grunti mTlian moculobaSi unda iqnas datvirTuli da gataniliavtomanqanebiT. Ggruntis nawili unda iqnas datovebuli moedanze. Ggruntis ukuCayra moxdes buldozeriT da xeliT.

samontaJo samuSaoebi:

samSeneblo fronti SezRudulia, mSeneblobaganxorcieldeba or etapad. aRniSnulidan gamomdinare SeiZleba iqnes gamoyenebuli mobiluri amwe muxluxa an saavtomobilo svlaze.

instrumentaluri kontroli:

geodezuri kontrolis dros mowmdeba Senobis elementebis da calkeuli konstruqciebis Sesabamisoba proeqtTan maTi mowyobis procesSi. Tavdapirvelad amagreben dakvalvis gare qselsamSeneblo moedanze naxazze miRebuli RerZebis gadataniT naturaSi. saniveliro da dgomiTi dakvalvis wertilebi unda iyos gaerTianebuli. samuSaos dawyebamde meore piris mier mowmdeba qselis wertilebisa da geodezuri orientirebis saimedoba. geodezuri Semowmebis Sedegebi Seitaneba samuSaoTa warmoebis saerTo JurnalSi Sedgenil sqemebTan da naxazebTan.

betonisa da rkinabetonis samuSaoebi:

monoliTuri rkinabetonis samuSaoebisas: gamoyenebuli yalibi unda Seesabamebodes yalibs, romelic SemuSavdeba samuSaoTa wamoebis proeqtSi, konstruqciuli nawilis Sesabamisad; yvelaze sapasuxismgeblo da Sromatevad samuSaod gvevlineba betonis Cawyoba qargilebSi, rac sasurvelia ganxorcieldes betondamWixni danadgarebis gamoyenebiT. yalibis dayeneba simaRlis mixedviT unda moxdes maSin, rodesac qveda doneze ar unda iyos zedmeti muSebi, masalebi da a.S. yalibis moxsna unda xdebodes samuSaoTa mwarmoeblis daswrebiT; armaturis momzadeba unda xdebodes specialur adgilebSi; betonis Cawyobisas narevi unda miewodos patara simaRlidan. monoliTuri r/betonis svetebis, Semkravi koWebis, gadaxurvis filebis mowyoba unda ganxorcieldes saproeqto muSa naxazebis da momqmedi samSeneblo normebisa da wesebis dacviT. SenobaSi kibis ujredis mosawyobad gansakuTrebuli yuradReba unda mieqces sufTa iatakisa da kibis moednebis niSnulebis Tanafardobas. zedapiris niSnuli sarTulis zeda niSnulidan 1,5-2 sm-iT dabla unda iyos. betonisa da rkinabetonis samuSaoebis ganxorcieleba moxdes ÑíèÏ Ø-4-80 gv. 44-47. 11.1-11.25 Tanaxmad (Ì îñêâà1981). calkeul samuSaoebze maTi Sesrulebis meTodebisa da wesebis Sesaxeb, agreTve Sromis usafrTxoebis wesebis Taobaze dokumentebi qarTul enaze Tavmoyrilia mSeneblobis saministros mier 1986 wels gamocemul-samaxsovroSi "samSeneblo warmoebis wesebi da normebi".

10. usafrTxoebis teqnika;

samSeneblo moedanze samuSaoTa warmoeba yvela etapze usafrTxoebis dacviT moxdes - ÑÍ èÏ Ø-4-80* Sesabamisad. maTgan yuradReba maxvildeba Semdegze:

1. samuSao adgilebi muSaobis pirobebisa da teqnologiis gaTvaliswinebiT uzrunvelyofili unda iyos kompleqturi dacvisa da signalizaciis saSualebiT.
2. advilad aRebadi samRebro, saizolacio da sxva masalebis agreTve momwamlavi nivTierebebis dRiuri raodenoba samSeneblo samuSaoTa warmoebis zonaSi arunda aRematebodes imave dRiur moTxovnilebebs.
3. zedmeti gruntis datvirTva avtoTviTmcleli ebze unda warmoebdes gverdidan an ukana mxridan.
4. hidrosaizolacio samuSaoTa Sesrulebisas, parketze laqis wasmisas da zogierT sxva samuSaoebze muSebi unda iyebednen spectansacmels, respiratorebsa da Tavsaburavebs.
5. sayalibo qargilebi dayenebis Semgedeg mowmdeba saimedobaze maTSi betonis Casxmamde. aseve mowmdeba badiis saimedoobac da wesrigianobac samagrebis TviTgaxsana rom ar moxdes.
6. masalebisa da nakeTobebis dasawyobeba unda moxdes maTze teqnologiuri moTxovnilebebis pirobaTa gaTvaliswinebiT; amave dros isini unda daewyos mosworebul adgilze, rom maTi mocurebac ar moxdes.
7. eleqtro usafrTxoebis wesebi Camoyalibebulia saq.standartSi 12.10.13-88, eleqtrokarada yovelTvis unda iyos Caketil mdgomareobaSi, eleqtrokabelebi, eleqtrosadenebi da mowyobilobebi ki izolirebuli. gaSiSvlebuli sadenebis gamoyeneba akrZalulia.
8. samSeneblo mowyobilobaTa CarTva (samSeneblo saweve lebi, parketis saprialebel-mosaxvewi danadgarebi, eleqtro SesaduRebeli aparatebi da sxva) Senobis eleqtroqselSi akrZalulia. eleqtro teqzedamxedvelobis samsaxurTan SeTanxmebiT nebadarTuli satransformatoro qvesadguridan unda moxdes samwveriani eleqtrokabelis Semoyvana daxurul karadaSi, mricxvelis dayeneba saidanac Zalovani da gasanaTebeli sadenebi gaimarTeba momxmareblisaken.
9. mobiluri saavtomobilo da muxluxa amweebis, betondamWirxnebis da sxv. meqanizmebis muSaobis periodSi ikrZaleba samSeneblo operaciebSi dausaqmebeli muSa-mosamsaxureebis da ucxo pirTa samSeneblo da gansakuTrebiT moqmed saxifaTo zonaSi yofna.

10. garemos dacvis RonisZiebebi.

garemos dacvis samsaxuris nebarTvis gareSe MmSeneblobis siaxloves ikrZaleba mravalwliani xeebisa da nargavebis moWra-ganadgureba.

betonis Semotana unda moxdes sasaqonlo wesiT - betonmrevis saSualebiT. dauSvebelia arsebuli sakanalizacio Webis dabinZureba samSenblo an ganarecxi xsnarebiT.

uzrunvelyofili unda iqnes nagvis Cayra uSualod TviTmcleli avtomanqanebis Zarebze. aseve arsebul sakanalizacio qselis pirobebSi mizanSewonilad ver CaiTvleba droebiTi tualetebis mowyoba amosaxap ormoebze. maTi droebiTi CarTva sasurvelia sakanalizacio koleqtorSi.

yovelive aqedan gamomdinare mSeneblobaunda ganxorcieldes bunebis dacviTi da haeris gabinZurebis sawinaaRmdego RonisZiebebi dacviT, moqmedi sakanonmdeblo aqtebis Sesabamisad.

S.p.s. "makoto proeqti"			q.Tbilisi, WavWavaZis #80-Si mdebare, (yofili sastumro vake) Senobis sareabilitacio-sarekonstruqcio samuSaobis proeqtis koreqtireba		
pr.xelmZRvaneli:		l. beriZe	mSeneblobis organizacia	2012 w.	
			ganmartebiTi nawili	stadia	m
				furc. #	mo-2
				furcl. raod.	3
daamuSava:		T. zarqua			
Seamowma:		v. Zagania			

q.Tbilisi, WavWavaZis #80-Si mdebare, (yofili sastumro vake) Senobis sareabilitacio-sarekonstruqcio samuSaoebis proeqti

mSeneblobis kalendaluri grafiki (Tveebi)

#	obieqtis da samuSaoTa dasaxaleba	weli	I weli												II weli											
		Tve	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
		dRe	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
1	gamagrebis samuSaoebis warmoeba	75	3																							
			75																							
2	sarTulis mzidi konstruqciis mowyoba +3,45; +21,55; +25,55; niSnulze	150				6																				
						150																				
3	Senobis saxuravis mowyoba	50										2														
												50														
4	Sida da gare kedlebis mowyoba blokiT	200							8																	
									200																	
5	Sida sainJinro qselebis mowyoba	200											8													
													200													
6	mopirkeTebis samuSaoebi	200													8											
															200											
7	fasadis samuSaoebi	150															6									
																	150									
8	gare qselebi	75																					3			
																							75			
9	teritoriis keTilmowyoba	200																	8							
																			200							

miTiTeba: samSeneblo periodis aTvla daiwyeba mSeneblobis nebarTvis gacemis dRidan.

S.p.s. "makoto proeqti"			q.Tbilisi, WavWavaZis #80-Si mdebare, (yofili sastumro vake) Senobis sareabilitacio-sarekonstruqcio samuSaoebis proeqtis koreqtireba	
prxelmZRvaneli:		l. beriZe	mSeneblobis organizacia	2012 w.
			mSeneblobis kalendaruli grafiki	stadia: m; furc. #: mo-3; furcl. raod.: 3
daamuSava:		T. zarqua		
Seamowma:		v. Zagania		