UNDERGROUND SPRINKLER SYSTEM

Part I - General

LOI WORK INCLUDED

- The work included under litese specifications shall correct of the furnishing of all labor, motherials, permits, lools, and equipment necessory for the complete installation of a sprinkler imigation system in accordance with the following specifications and accomposing af a large.
- 8. It is the trent of these drawing and "excitications to form a gride for a complete installation, and although some items may not be specifically noted bits are reasonably necessary for a complete installation, they sholl be furnished under this contract. Sprinking shall be for able to be obtained and space to be that despine over lapping of the spray will provide withom head to head to head to be able to be a
- C. It is the responsibility of the imigation Contractor to provide 100% coverage to all landscape area
- 102 CONTRACTOR'S QUALIFICATIONS
- installars shall be licensed irrigation contractors nith experience in the installation of automatic underground lowr sprinkling systems. All work shall be performed in a professional workmanlike manner by Machanics skilled in the trade.
- B The Contractor shall be responsible for any damage to any covered by these specifications, under his core and custody, with final acceptance of his work.
- The Contractor shall obtain all permits from, pay required fees to, and amonge any necessary kepe government agency having jurisdiction over the work.
- VERIFICATION OF DRAMINGS AND SPECIFICATIONS A. It shall be the contractor's responselity to carefully examine the showings and specificative, and to visit the site in order to back an early confider on early confider on early shall be threadily trading to the attention of the Landscope Architect for histopretation or instructions. Otherwise, any charges necessary to meet existing conditions, shall be made at the Contractor's expense.
- B. It is the imigation Contractor's responsibility to verify water pressure, water source, and size in the field prior to construction. Should a discreptory exist between design pressure and the field pressure the Landscape Architect shall be notified immediately.
- 104 WORKING CONDITIONS
- A. The Contractor shall can be operations to the areas allotted to him by the Owner, for his work for material and equipment storage.
- B The Contractor shall continuously maintain a competent superintendent, satisfactory to the Owner, on the work during progress, with authority to act for the Contractor in all matters pertaining to the work.
- C. The Contractor shall not assign nor sublet any partion of this work without written approval by the Owner
- D. The Contractor shall be responsible for staking out the system from the drawings, using the property lines and building dimensions on a guide.
- E. The Contractor shall coordinate his work with that of the other trades, so as to avoid any conflict, and carry the installations to a rapid completion without any unnecessary delays.

PART 2 - PRODUCTS 2.01 PIPING

- A. All pressure non ploing on the supply side of the zone volves, shall be class 200 PVC with integrally formed bell-tite joint couplers. All fittings shall be solvent welded, schedule 40 PVC.
- B. All lateral piping, on the discharge side of the zone valves, two inches (21) and under, shall be class 200 PVC. Fittings shall be schedule 40 PVC motorial.
- C. All plastic to metal shall be harder with PVC schedule 40 male adopters or PVC schedule 80 hipples. Joint compared for such connections shall be Permittex Type II tellon tape on a prior approved equivalent. D. Means pipes are retailed index roats, drives, parking areas or nails, schedule 40 PVC sleaves shall be provided for the lines. In picture areas, were cultivation might damage shallow picture piper, protective swaves met be provided, wheel copper tubing is installed. Rivers in flower bade and structure shall be schedule 60 PVC.
- 2,02 SPRINGLER HEADS
- A Emiltier heads shall be on PVC laterals, or prior approved equiv
- 203 AUTOMATIC CONTROLLER
- A. It is tractures shall include met control detains, distribute time setting up to 60 minutes per station, 24-hou closel, stated submitting and advecting may large tax and advecting the state of t
- QUICKCOUPLING VALVES
- A. Furnish and install where shown on the drawings quick-conciler with server and hose bib, 3/4" size or prior approved equivalent. They sholl be monited on one has (10) copper, where jonk reserves, and the tops shall be set fligh with the bor of the offerer to the offerer double-for coupler kay complete with one inch (17) hase servel for concerting to an otherway with all. Also furnish that (2) tooktop cover key.
- ELECTRICAL CONTROL CABLE
- A. All electrical control on ground whe whole be mightion control cable of site as required. All wining to be used for connecting the automatic remote control volve to the automatic controllers shall be Type VH, 600 volt, stranded, or solid copper, single conductor whe with PVC insulation and bear UL opproval for direct inderground burial feeder cable.
- B. All control or "not" wires shall be on one cator and all common or "ground" wire shall be
- Verifications of whe types and installation procedures shall be checked to conform to local code D. All electric control cable shall be of size as determined by the applicant nonulacturer and shall be installed in the plong transfers viewever possible and in the moreor recommended by the nonviacturer, teaving slack in the wire. Expansion plants in the mire provided at 200-fract intervals by making 3 or 6 time of the mire around a place of 12 bit place. There it is necessary to run mire in a separate trench, the mire shall be a minum cover of bielve (2) that state.
 PART 3 - Installation
- PROTECTION OF UTILITIES, IRR'GATION SYSTEM, ETC.
- A The Contractor shall verify the location of all utilities and note location of utilities, imjection piping and underground obstructives. The contractor shall be responsible for the cast of repairing brief conduit, castes or pipelines damaged during the instantion of the mitgation system.
- B The Contractor shall clearly make and maintain markers shawing locations of imigation system wining and piping installed in a re- that minar contractors may avoid damaging this work.
- The Contractor shall take necessary precadions to protect site conditions and plant materials which are to reman Shauld damage be fourned. Contractor shall repair damage to its original condition or furnish and install equal replacement at its operate.
- D. The Contractor shall coordinate with the Landscape Architect to provide imjection to existing materials E contact blue stake prior to digging
- 3.02 EXCAVATION

A. The Contractor skell do all receiving excercise for the proper installation of his Hork. Fourther trenders used on the site shell the of an approved tigs to cut excell-holton incredes on uniform stops. Trenders shall be no inder too necessary to log the pibs, except where necessary to make joints. Over excerciting shall be hold and correllul tanged to proved a smooth and from barries surface of sizing the pibs. Here necessary to make joints. Over excerciting shall be hold and correllul tanged to proved a smooth and from barries surface. Then increases then increases the piblic tradement of the taken and piblic the size trade to the piblic tradements and the taken and the taken and the piblic tradements and the size tradement of the taken and piblic tradements there is not piblic and a least being (12) kinds for the taken at branch lines.

- 3.03 PIPE #6TALLATION
- All pipe this shall be historiad in the locations and of the stass indicated, and of the materials specified. Parallel piping may be installed in the same transf. Piping shall be laid accurately to the the ord grade required, with full uniform bearing on the transh biolom. No piping shall be laid accurately to the the ord grade required, with full uniform bearing on the transh biolom. No piping shall be dated accurately to the the start full of the dred conduct, with other piping or structures, will be premitted as crossing. Interior of piping shall be kept class of thereign matter before included and shall be thread. The supply main times shall be thread. The supply can these shall be threads and the threads are actually and the shall be threads in the supply and times shall be threads in a management. All pipe shall be interesting the the thread in supply to compare and with recommendations of the management. This shall apply to threat backing hading storage, depth of once, extended and apply to threat backing hading storage, depth of once, extended and apply to threat backing hading storage, depth of once, extended and apply to threat backing hading storage, depth of once, extended and apply to threat backing hading storage, depth of once, extended and apply to threat backing hading storage, depth of once, extended and apply to threat backing hading storage, depth of once, extended and apply to threat backing hading storage, depth of once, extended and apply to threat backing hading storage, depth of once.
- Under existing artives or sidewalks, the Contractor shall either som out concrete and replace it to the former condition or install the "pipe by buring or jacking under the crea
- BACKFILLING 3.04
- As soon as the work has been installed, inspected and accepted, all excavations and therches shall be filled and notar settled with five as thin notacids, first from clock, rocks, or other unsuitable substance. Therches must be left lists with adjocent firsted grade clare compositing to the angle classification due to the soil. Placeding of transfers with the permitted downstream of zone volves. Gare shall be taken to place any previously tilled and fertilited soil in the top portion of the target, and subspill will must be adjusted in the top six (or horizon to book). the trench, and subsol SPRINKLER HEADS
- Sprikters shall be set pimb and level with the burk at locations show on the drawings. In lawn areas where gross has not been established the heads shall be installed in temporary rivers at least three (3) inches above the grade. All the turk is astablished, the Contractor shall within then (0) days after notification, lower the heads to their permanent position than with the instead grade. This elevation is unitial and Contractor shall everable care to set them exactly at grade never below.
- 3.06 AUTOMATIC VALVES
- A Each sprinklew zone shall be obsrated by automatic electric valves in the sizes indicated on the drawings. Each valve shall be provided with a built-in pressure regulator capable of holding a steady downstream pressure, legardless of factuatives in the man spip pressure. The valves shall be installed where shown and suppried with a tag on which the valve's zone number shall be planty marked.
- B All valves to be in valve cores.
- C Each valve shall be horsed in an Ametex valve box, or prior approved equivalent. Place valve boxes in an orderly fashion. In the laws place valve boxes in such a manner that making and needing can easily be performed. 3.01 WATER SUFFLY
- A. Connection shall be made to the spiriklier outside the by king as shown on the drawings
- B. Water motor to be supplied by others tales otherwise rotant
- 3,00 ELECTRICAL WORK حطة محامد محمد مناعد والمحاد المراجع المراجع المحاد الم

- B. All electrical work shall be done in accerdance with the National Electrical Code and local ordinances C All nine connections, of nemote control volves (either direct burled or in control boxes) and at all wire splices, shall be left with sufficient 'stack' so that in case of repair the valve bornet or splice may be brought to the surface without discommenting the inters.
- D Each rempts control value or group of remote control values, which are to be connected to one statism of a controlle shall how there is the connected to some this where the processing or an expected walks, which are to be connected to the some controller, while the connected to the some to the connected to the some controller, while the connected to the connect group where the to see as even on the drowing or any specifical, that havin taking incoments provide the some controllers. While some controllers walks are some on group where the to see as even on the drowing or any specifical, that havin taking incoments that the sopheral common group where the to see as even on being controllers by experiments while while the common group where system of all other controllers. Only these remote control was which we being controllers by experiments while while the common group of the system of all other controllers. Only these remote control values which we being controllers by the system of all other controllers. Only these remote control values which we be there groups are specific controllers are specific controllers.
- TESTING
- After oil supports, anchors, and thrust blacks are in place, the line shall be tested at a pressure of 150 pH for 30 mixter. Shavid any leaks be found, they shall be repaired and the line relation will sublact any Zone lines shall be leaded at 50 pH in lite momer. After testing, be spitzed shall be throughly flaked at the brace be heads and and the shall be the shall be through the shall be throughly flaked at the brace be heads and physical shall be attended to the shall be through the shall be through the relations will be otherwise constraint of provide to static the replaced with spiriticity to do on the relativity and the shall be otherwise constraints the provide to static the replaced with spiriticity to do on the relativity and the shall be otherwise constraints the provide to static the shall be made by the Cherch Holdmann Statis
- DRAHINGS OF RECORD 3.10

3/34

- The Contractor shall provide and issep up to date a complete "as-built" record set of nylor septos which shall be corrected to show any changes from the original drawings. These record drawings shall show location of all contra lines, volves, volve baces, and lines, then caps, carboliters, and any substitutions as well as any deviation in piping or location of baried valves, etc., with accords dimensions indicated
- After completion of the spriction installation, the Contractor shall deliver to the Overn three prints of the corract and completed 'an-buil' set of drawing, along with three bound instruction takers covering the explanation that died Contractor shall present the drawing along with three bound instruction for a covering the explanation builded
- hillin ten ((d) days after the Contractor's notification that the sprinkler installation is complete, the Landscape Architect will happet the system and, if necessary, skimit a 'parchi tist' to the Contractor. 'Acceptance by the Landscape Architect of these corrections will signify that acceptance by the Owner.
- The entries excitator system shall be guaranteed for a period of one year from this had acceptance date. The Contractor shall promptly replace, without cast to the ohner, any derective materials of faulty increases the shall also may develop within this guarantee period, hackbarg restantiation of any property gamaged arring reports. The shall also be responsible for damages resulting from leaks which may cover in the point system installed by the which and he shall replan of the segment, all damages cassioned by sinker, they had here, volence or their, acts of data of the contractors for any other called barged the Cantrol of the Contractors.
- 6. It will be the Owner's responsibility to maritain the system in working order during the guarantee period, performing necessary whom maintenance, keeping grass from obstructing the sprukter boads, protecting against vandation and preventing durage during the indication maintenance operation.
- D The Contractor shoil service the system at the Owner's request during the guarantee period, and shall be paid for work performed which is not covered by the guarantee, in accordance with a predetermined schedule of fees.

LANDSCAPING PART I - GENERAL

- LOI WORK INCLUDED
- The work included under these specifications shall consist of the furnishing of all lobor, noterial, permits, loois, and explorment, necessary for the complete installation of the landscoping noterials as shown on the drawings and as described in the following specifications:

1.02 QUALITY ASSURANCE

- A. For standard products, the manufacturer's analysis will be acceptable. For all other materials, analysis shall be by a recognized laboratory. B. Analysis shall be made in accordance with the current methods of the Association of Official Agricultural Chemista
- C. Sails shall be analyzed for their composition and fertility in sustaining plant growth and health
- D All plants lumished under this specification shall be from nursery grown stock, and they shall need the ARIZONA NRSERT ASSOCIATION of the American Association of Nurserynian, his requirements as to stifting grading and guality. "Plant materials specified shall conform with the normaliciture of STANERADIZED FLANT NATES, Second Edition. The Lanascope Architect reserves the right to refuse all plant material based on overall oppearance negatives of specifications.
- Plants of the species specified shall be furthered in the variety size, grade and quality indicated. Specifications planting plans shall be strictly adhered to and no changes or subsituations will be allowed prior to bidding without million plannesson of the Landscape Architect, Green or Owner's Rape semantive.
- By submitting a proposal and accepting award of the Contract, the Contractor acknowledges that he has investigated the supply of planting stack available and has abtained lime communents from his suppliers assuring delivery of the specific plant instancias as requires for completion of the project
- All plant materials shall be grown to accordance with good hortkulture practices and shall bear evidence of proper nursery care during growth index conditions similar to those in the locality of the project for at least two years. They shall have been previously branshorted on nost pruned according to standard nursery practice and hepeated by State Control Agencies.
- All plants shall be treship day. No heeled in plants or plants from cold storage will be accepted. Plants shall be typical of ther species or vorsiby and have normal habits of granth, be healthy and vigorous, well tranched and have dense foliage when in lead. All plants, including root systems, shall be free of alecase, disligating hords, unscald, hispect peets, eggs or tarvoe, dead or tarkan tranches, bark densisting and have healthy mail developed root system. The root system of container grave plasts shall be sufficiently developed to huid the earth near upon removal of the container.
- Planking, sodding and seeding shall be performed by personnel familiar with planking procedures and under the supervision of a qualified planking foreman. 1.03 SUBMITTALS
- A. Submit a soil fertility test of the planting soil for approval by the Londscape Architect prior to delivery of soil to the project site. Test reports shall indicate the location of the source for soil B Upon completion of the work, submit a schedule satisfactory to the Londscape Architect for the maintenance of all plant material.
- PART 2 PRODUCTS

20 500

- Approved nursely grade withvated grass soci-species and withvar as indicated on the drawings with strong. Horaw root system, free from stones and burned or bare spots, 2.02 PLANTING SO'L FOR PLANT PITS IND BEDS
- A. Pertile, friddle, natural loan containing a liberal amount of hume, capable of sestaining vigorous plant growth. The Ph value of the planting soil shall not be higher than 75 or lower than 55. It shall be free of any administre of setaining knows, hume, class or hand even by planting their notes, success, and other extraneous matter. Do not use planting soil for planting operations while in a frazen or eveday consistion. 2.03 PEAT
- A Acceptable peat most consisting of all least 13% organic content of natural occurrence, it shall be brown, clean, low in content of mineral and woody motorials, mildly acid, and granulated or shreaded.
- FERTILIZES.
- B. Organic Pertilizer: An organic activated fertilizer containing a minimum of five percent nitragen, three percent phosphoric acid and other basic elements by weight.
- C Deliver fertilizer mixed as specified in standard size bags, showing weights, anatysis and name of manufacturer. Store in neatherproof storage place in such manner that it will be kept dry and its effectiveness not impaired.
- D. The Landscope Architect reserves the right to vary the percentages of the components of the fertilizers subject to the results of the soil fertility tests.
- 2.05 MATER
- A. Shall be hundred by the Owner. The Contractor shall furnish all recessary hase, equipment, attachments, and accessories for the adequate imigation of all planted areas as may be required to complete the work as specified. 2.06 PLANT MATERIAL
- A fill old obrasions and cuts shall be completely collowed over. All shrubs shall be measured when their branches are in their normal position, Height and spread dimensions specified reter to the main body of the plant and not from branch or root to be top.
- B. Shrubs shall be natched speckrens from single block source
- C Evergreen brees not fully branched from top to bottom will be rejected and those with terminal leaders exceeding breaks (12) tertes in length will also be rejected. During the spring planting seasons, any evergreen plant delivered with new gradient in a submarced sized of dearbids got what be rejected.
- Parts shall not be primed before delivery. These which have damaged or crocked leaders, on multiple leaders, unles specified will be rejected. These with bark abroaves, smaceld, dializering incits, or fresh ats of limb over 1.14 inches which have not convisitely callored will be rejected. Profiles shall be freshly dag or convaluer grows. Heeled in plants or plants from cold statage will not be accepted.
- Plonts shall be true to spectres on a via lety, and shall contain to insolvements specified on the Drawings. Plants langer than specified may be used if approved by the Landscape Architect. We of such plants shall not increase contract price. If larger plants are approved, the ball of a cut habit the hardscape propertionary with the size of the plant. Substituting of plant noteria's Hill not be permitted unless authorized in Hitley by the Londscope Architect. Proof must be straighted bot use of manost equivalent size of varially with corresponding adjustment of Contract Price. Such mond shall be authorized and of Hindhad to writer.

- only. Verify plant counts with plan. In case of discrepancy, plan shall govern
- H. Each plant shall be properly identified with legible waterproof tage securely fostened. Tage shall remain on the plants until atter final acceptance and then be promptly removed by the Contractor.

A. Firsts shall be subject to impaction and approval by Landscape Architect at place of growth and upon dr "nerg, Witten request for impaction of plant inderiois at place of growth shall be submitted to Landscape Architect at least the list of Landscape for the definition of the standard state place of growth and quantity of justs to be impacted. Landscape Architect reserves the richt to same hypection. Such approval shall not the place of the mark state place of growth and quantity of the hypected. Landscape Architect reserves the richt to same hypection. Such approval shall not high the hypet of the progress of the mark for size and condition of bolts ar roots, discover, needs, and latest defects or hypries. Rejected plants must be immediately removed from the project she.

B. Certificates of inspection of plant materials as may be required by Federal. State or other authorities to recompany stypments and be furnished to Owner upon completion of project

A. Digging shall be done the same season of planting and shall be done by hand as to not hijkne plants and to mast size requirements. No plant other than the required somples shall be dig or delivered to the site until the required trajections or samples approved.

B. Dig balled and burlapped (BB) plants with firm, whoken natural balls of earth, of sufficient diameter and depth to include the fitness and leading roots. No synthetic or mudded in balls will be accepted. We plants moved with a ball will be accepted if ball is cracked or broken before or during planting operations.

C. Roots - bails of all plants shall be adequately protected at all times from excessive exposure to what say, ran, holl, etc. 5: "ed and barkoped plants that cannot be planted immediately on delivery shall be set as the grand and well protects with say, set mose and other acceptable material. Euror rooted plants shall be planted in heeled-in immediately your delivery.

D. All plant instarkal shall be handled construity to prevent injury to rootballs, trunks, or branches. Any plant saffering damage sufficient to inpart its health analy- natural form will be rejected. No plant shall be bound with mire or rape at any time is as to is domage the barry or break tranches.

A. Apply farbilizer at a rate recommended by manufacturer. Apply after fine grading and prior to compaction. Mix thanoughly into upper two (2) inches of topsoff.

B. Lay soid closely knit together with no open joints visible, and places not overlapped. Lay smooth and fluck with adjoining grass areas. Finish grade to be one and a half inches (1-1/2') below paving and top of surface arbs.

C. Immediately noter sodded areas after installation. Noter in sufficient amounts to saturate sod and upper four (4) inches of soil

B. Any plant material hetailed during lipical off seasons (hot summer months or freezing whiter months) shall be done at the Contractor's own risk and the Contractor shall be held responsible for replacement of any plant insterial clansged due to theme diverse conditions.

The Contractor shall accordinate all aspects a the landscape operations nith all aspects of the site construction. The work shall proceed as the indicated particles of the site become available, combinant with the second limitations for landscape planting.
 The Contractor shall be responsible for any damage to utilities construction, strends for contracture states and the site of the si

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Installations
 Installa

Ing. Property fucility, usardy the cytuges. (Ing. 2014). The provided prior to delivery inless Londscope Architect gives written permission and the second prior to delivery intervention only of time of plotting and according to standard bortsultural practice and at the direction of the Londscope Architect. Anount of primity shall be interved and an intervention of the Londscope Architect. Therefore, and the second prior to an accessing to remove dead on hybrid bridge and bronches and to compose the for root taxes resulting non-transplanting. Do not cut indexen, because the transplanting. Do not cut indexen, and the second britty brinds the down and the composition of the londscope and the second prior being and bronches and to compose the for root taxes, and transplanting. Do not cut indexen, be and the composition of the londscope and the composition of the londscope and the composition of the londscope and the second britty be and the composition of the londscope and the composition of the londscope and the second down with approved there path. Path shall caver all expressed combine as writting the down with path. Statisticand britty between and the londscope and removed. Smooth and secret path is a character all expressed combine to the lond.

Treat novel with park. 9 sciency and Gwyng a. Stoke or widd with reas per detail Trease which blow down sincy excessively, or are observise injured because of improper bracing shall be replaced at Contractor's expense.

because of the proper bracking shall be replaced at Contractor's expense.
 Scorolygi
 a. All ground cover and non-ionin areas shall be treated with pre-emergent.
 Decomposed formatic
 Prior to placking the area shall be treated with pre-emergent.
 Prior to placking the area shall be treated with pre-emergent.
 Prior to placking the area shall be treated with pre-emergent control. Apply a pre-emergence control for line or pror approved applymental according to marifacturent's recommendations. The documpto-set grants shall be evenly distributed on the designated area bit of employee distributes and the area of the analysis of the document of the designated area bit of employee distributes and the area of the document of the designated area bit of explore and noise satils or noise of the document of the document of the designated application of pre-emergence control according to marifacture 's recommendations by Decomposed grants solit be 'second according to marifacture 's recommendations' and source of accomposed grants shall be approved by Landscope Architect. All material shall be from a single production source and share block reading and pre-sentationed. Color additional active advants grants shall be approved by Landscope Architect. All material shall be from a single production source and share block readicate.
 Proceeding downs which all not discording downs have block and black regions. Architect will a theight all be the discording downs and a share block shall be readed.
 Proceeding downs wild hall be the grants grant shall be the black of designations. The Landscope Architect wild be provided by a black and downs block shall be regioned.
 Proceeding downs are black and black and black the black of downs black and black the black of the black of a down and black and grades prior to any plantary.
 Channeg up anone all the project in a clean, read and ordenty condition at

https://www.internet.com/article/ar

A. In the event that rack or underground construction work or obstructions are encountered in the excavation of plants pits, alternate locations may be selected by the Landscape Architect. Here locations cannot be changed remove the obstructions tak not may contruction may to a depth of not less than as (d) outcast below the required of adopt.

Proper drainage of plant pits is necessary. Bring subsoli conditions permitting the retention of nater in planting pits for more than isently-low hores to that attention of the Landscape Architeck inith proposals for connections. If soil conditions indicate modifications as directed by Landscape Architeck, the charges required mill not harcense the con

The Contractor is responsible for any domage to underground utilities resulting form landscape operation, and b the full cost to report the damage. Accomplishment of recoins shall be equal to the original installation prior to damage. People damage immediately to Landscape Architect who shall approve repair's before they are twiced. MAIN(FINALE)

A. Protect and marcan plot indexed fireas providence, barn ord views) metacodely offer plotting. Indexension of the second (CO) additional second second

H Sola I. Haintain social areas instead stelly after placement and or a sixty day period. After acceptance maintenance

D. After sod and soft has dried sufficiently to prevent damage, roll sodded areas to ensure good base between sod and soll and to remove minor depresence and tregularities. Ensure rolling equipment weight not over 250 tos or less than 150 lbs.
3.05 THE OF FLANTING

A. The contractor shall notify the Landscape Architect in writing when other divisions of the work have progressed sythicantly to commerce landscaping more, helding placing of lapsoil to links grade. Thereafter, conduct planting operations under hardward medition.

PART 3 - INSTALLATION 3.01 INSPECTION OF FLANT MATERIAL

3.02 DIGGING AND HANDLING

3,03 FERTILIZING SOD SUBSOIL

3.04 LAYING 500

3.06 FLANTING OPERATIONS

A. General

C. Installations

3.01 OBSTRUCTIONS BELON GROUND

3.00

B. Lightly water to aid the breakdown of ferbilizer

C. Apply fertilizer within 48 hours before laying sod.

A. Loy sod as soon as possible after delivery to prevent deterioration.

- 4 Roll and said soci soci when required to remove mhan depressions or irregularities 5. Central grants of needs in soci, when verigi herbicides, apply in accordance with manufacturer's restructions. Remark damage resulting from neigibers for theory and of herbicides 6. Immediately report or replace any sociated areas which show deterration or bare spots. 7. Protects sociaded areas with manning signs during mailmance period.

- INSEPCTION FOR ACCEPTANCE 3.04
- A Inspection of the landscaping work to determine completion of contract work, exclusive of the possible replacement of plants, will be made by the Landscape Architect at the conclusion of the maintenance period. B Acceptance, Alter impaction, the contractor will be notified in writing by the Landscore Architect of acceptance of all bork of this Section, exclusive of the possible replacement of plans subject to renepection and guarantee, or if there are any deficiencies of the requirements for completion of the texts.
- Upon acceptance made by the Landscape Architect, the Contractor montenance is terminated and the guarantee period begins.
- 310 PLANT GUARANTEE AND REPLACEMENT/FINAL ACCEPTANCE
- A The guarantee is for a period of one year from date of acceptionice by the Landscope Architect. The guarantee is for all new plant material, lower, transplants, and existing plant material,
- B At the end of the guarantee period, the Landscope Architect shall reinspect all guaranteed work for Final Acceptance you written request of Contractor. Request shall be received ut least ten (IC) calendar days before anticipated date

At the end of the guarantee period, the Lankkope Architect shall reinspect all guaranteed work for Final Acceptance (yon institum regress) of Contractors. Request shall be received at least the NO Contracted ways before attributed date for final replactor. The provide shall be the contract of the NO Contract date before attributed at that is placed at the shall be the contract of the shall be the contract of the shall be the contract of the shall be the of guarantee period. If details the shall be shall be the shall be shall be shall be the shall be the shall be the shall be shall be shall be the shall be the shall be shall

6. Portions of lawns and/or plantings may be accepted in part upon Landscope Architect's app

- PART 4 MISCELLANEOUS AND GENERAL NOTES
- 4.01 FINISH GRADING AND GRADING
- A. The General Contractor to provide Landscape Contractor (Initish grade within + 0.) of a toot as shown on the civil grading plan and landscape plan.
- B. All mounding, berms and finish grading to be approved by the Landecape Architect prior to planting or irrigation work.
- 4.02 GENERAL NOTES
- The Londscape Contractor at his own expense shall procure all permits, certificates, and licenses required of him by law for the execution of this work, he shall comply with all state, cavity and local laws, andinace, rules or regulations resisting to the performance of this work. All deductions and leaditons will be made though a change order issued by the Architect. Changes made with a change order are not considered part of the contract and payment cavito a guardineed.
- The Contractor shall visit and inspect site to thoroughly inform himself of all existing conditions. Any discrepancies between existing conditions and those shown on drawings should immediately be trought to the attention of the Landscape Architect.

- HDTES.
 Locate oil imigation equipment in fordecape areas some lines are schematic.
 Cacaterial programs to avoid station overlap.
 Bits and provide schedule sch priver in the overlap.
 Bits and provide schedule sch priver in the overlap.
 Contractor shall have a schedule sch



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JOB NO. 9603 FILE NO. 605!AI-R

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SITE DATA

SITE AREA (NET)

ZONING

SITE AREA

- : 218,627 SF (5.013 ACRES)
 - : 182128 SE (418 ACRES)

LANDSCAP'S REQUIRED ; 182,128 SF OF SITE X 15% = 27,319 SF

LANDSCAP'S PROVIDED : 61,320 SF (41.9% OF SITE) ; IG

NATIVE PLANT NOTES:

RGH ASSOCIATES HAS SUBMITED THE NATIVE PLANT INVENTORY.

NATIVE PLANT PERMIT NO. 79-NP-97

SCOTTSDALE 5-25 SIGHT DISTANCE TRIANGLE, TYP.





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