

#### A. PROJECT DESCRIPTION:

THE APPLICANT PROPOSES TO CONSTRUCT A NEW TOWNHOMES LOCATED IN CLEARWATER, FLORIDA. CONSTRUCTION WILL CONSIST OF CLEARING, GRUBBING, EARTHWORK, INSTALLATION OF THE INFRASTRUCTURE, BACK FILLING, PAVING AND GRADING.

#### B. MAJOR SOIL DISTURBING ACTIVITIES:

SOIL DISTURBING ACTIVITIES FOR THIS PROJECT WILL INCLUDE CLEARING, GRUBBING, EARTHWORK, INSTALLATION OF PAVING, DRAINAGE, WATER & SEWER INFRASTRUCTURE.

THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING TEMPORARY OR PERMANENT STABILIZATION AS SOON AS POSSIBLE FOR AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE CEASED, BUT IN NO CASE SHALL THE TIME BE GREATER THAN

#### C. TOTAL PROJECT AREA: 44.277 ACRES

FOURTEEN (14) CALENDAR DAYS.

THE PROJECT CONSISTS OF THE CONSTRUCTION OF A TOWNHOMES INCLUDING CLEARING AND GRUBBING, EARTHWORK, DRAINAGE/UTILITY INFRASTRUCTURE AND PAVEMENT.

### D. TOTAL AREA TO BE DISTURBED: 40.216 ACRES

IT SHALL BE THE INTENT OF THE CONTRACTOR TO MINIMIZE THE ACREAGES OF DISTURBED SOIL IN THE PROJECT AREA AT ALL TIMES.

#### E. (1) RUNOFF COEFFICIENTS BEFORE CW(B), DURING CW(D) AND AFTER CW(A) CONSTRUCTION:

RUNOFF COEFFICIENT FOR:

OPEN SPACE: C = 0.20

IMPERVIOUS SURFACES: C = 0.95

DISTURBED AREAS. EXPOSED SOIL ETC. DURING C

DISTURBED AREAS, EXPOSED SOIL ETC. DURING CONST.: C = 0.40

WEIGHTED RUNOFF COEFFICIENT: CW(B): 0.45

CW(D): 0.55 CW(A): 0.55

#### DESCRIPTION OF SOIL OR QUALITY OF DISCHARGE

THE PINELLAS COUNTY SOIL SURVEY IDENTIFIES THE SURROUNDING SOILS AS MYAKKA FINE SAND, ASTOR SOILS, IMMOKALEE FINE SAND AND PLACID FINE SANDS.

#### 2. CONTROLS

NARRATIVE - SEQUENCE OF SOIL DISTURBING ACTIVITIES AND IMPLEMENTATION OF CONTROLS:

#### **CONSTRUCTION ACTIVITIES - GENERAL**

CONSTRUCTION ACTIVITIES ON THIS PROJECT CONSIST OF CLEARING, GRUBBING, EARTHWORK, INSTALLATION OF THE INFRASTRUCTURE, BACK FILLING AND GRADING. ALL ITEMS REPRESENTED IN THE FOLLOWING DISCUSSION ARE TREATED IN DETAIL IN THE CONSTRUCTION DRAWINGS AND PROJECT SPECIFICATIONS, "FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", OR WILL BE IMPLEMENTED BY THE CONTRACTOR'S REPRESENTATIVE IN A MANNER APPROPRIATE TO ENVIRONMENTALLY SENSITIVE CONSTRUCTION PRACTICES AND AS APPROVED BY THE OWNER.

THE CONTRACTOR WILL BE REQUIRED TO PREPARE A SITE SPECIFIC EROSION CONTROL PLAN. THE CONTRACTOR WILL ALSO BE REQUIRED TO MODIFY THE PLAN OR MATERIALS DURING CONSTRUCTION TO ADAPT TO SEASONAL VARIATIONS.

OFF-SITE RUNOFF SHOULD BE DIVERTED AWAY OR THROUGH THE CONSTRUCTION AREA. THIS ADDITIONAL FLOW IF NOT DIVERTED, CAN ADD VOLUME AND SIZE TO STRUCTURAL PRACTICES, REQUIRING MORE FREQUENT MAINTENANCE AND LIMITING EFFECTIVENESS OF EROSION AND SEDIMENT CONTROLS.

COMPLIANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN IS A REQUIREMENT OF THE PROJECT CONTRACT DOCUMENTS. CONSTRUCTION-RELATED INFORMATION REQUIRED BY THE NPDES PERMIT BUT NOT SPECIFICALLY INDICATED IN THE STORMWATER POLLUTION PREVENTION PLAN CAN BE FOUND IN THE CONTRACT DOCUMENTS.

THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING A STABILIZED CONSTRUCTION ENTRANCE FOR VEHICLES ENTERING OR EXITING ONTO PUBLIC ROADS. THE CONTRACTOR'S REPRESENTATIVE SHALL BE RESPONSIBLE FOR MONITORING THE SYSTEM AND MODIFYING THE SYSTEM OR PROCEDURES AS NEEDED.

### CONSTRUCTION ACTIVITIES

PRIOR TO COMMENCEMENT, THE CONTRACTOR SHALL PROVIDE A DETAILED CONSTRUCTION SCHEDULE TO INDICATE DATES OF MAJOR GRADING ACTIVITIES AND DETERMINE SEQUENCING OF TEMPORARY AND PERMANENT SOIL DISTURBING ACTIVITIES ON ALL PORTIONS OF THE SITE.

PRIOR TO THE BEGINNING OF ANY PHASE, THE CONTRACTOR SHALL INSTALL EROSION AND SEDIMENT CONTROL ITEMS AS DESCRIBED ON SHEETS 1-2 OF 2 IN THE CONSTRUCTION DRAWINGS.

THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING SEEDING, MULCHING AND WATER AS SOON AS POSSIBLE FOR AREAS OF THE SITE WHERE CONSTRUCTION HAS TEMPORARILY CEASED BUT IN NO CASE SHALL THE TIME BE GREATER THAN FOURTEEN (14) DAYS.

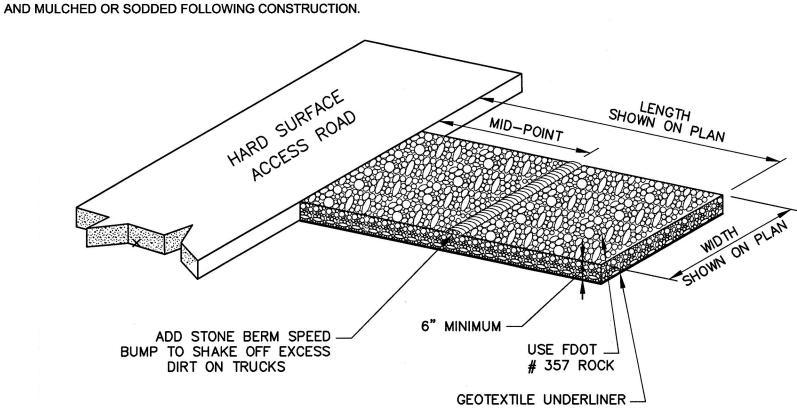
INSTALLATION OF THE INFRASTRUCTURE AND EARTHWORK, AS SHOWN ON THE PLANS MAY REQUIRE DEWATERING PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISCHARGING THE DEWATERING FLOW TO A TEMPORARY SETTLING BASIN SUCH AS AREAS CREATED BY STAKED HAY BALES OR SILT FENCE IN DRY GRASSED SWALES OR OTHER SIMILAR SETTLING AREAS. HOWEVER, AT NO TIME SHALL THE CONTRACTOR DISCHARGE DEWATERING FLOW DIRECTLY TO WETLAND AREAS.

EROSION AND SEDIMENT CONTROLS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION AND MAY BE REMOVED ONLY WHEN PERMANENT STABILIZATION IS ESTABLISHED AND THE OWNER APPROVES THE REMOVAL.

# A. EROSION AND SEDIMENT CONTROLS:

# (1) STABILIZATION PRACTICES TO BE IMPLEMENTED:

STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE SHALL THE TIME BE GREATER THAN FOURTEEN (14) DAYS AFTER THE CONSTRUCTION ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED. ALL DISTURBED AREAS WILL BE SEEDED AND ALL OUTPUT ON THE CONSTRUCTION.



# TEMPORARY CONSTRUCTION ACCESS

N.T.S.

(2) STRUCTURAL PRACTICES WILL INCLUDE:

ROCK BEDDING AT CONSTRUCTION EXIT STAKED SILT FENCES

INLET SEDIMENT TRAP
CURB INLET SEDIMENT BARRIER

## B. OTHER CONTROLS:

#### (1) WASTE DISPOSAL:

THE CONTRACTOR WILL PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT BOUNDARIES DURING CONSTRUCTION ACTIVITIES. ALL FERTILIZER, HYDROCARBON, OR OTHER CHEMICAL CONTAINERS SHALL BE DISPOSED OF BY THE CONTRACTOR ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER. NO SOLID MATERIALS INCLUDING BUILDING AND CONSTRUCTION MATERIALS SHALL BE DISCHARGED TO WETLANDS OR BURIED ON-SITE.

#### (2) OFF-SITE VEHICLE TRACKING:

OFF-SITE VEHICLE TRACKING WILL BE CONTROLLED BY THE FOLLOWING METHODS:

LOADED HAUL TRUCKS TO BE COVERED WITH TARPAULIN.

EXCESS DIRT ON ROAD REMOVED DAILY. STABILIZED CONSTRUCTION ENTRANCE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTING AND MAINTAINING STABILIZED CONSTRUCTION ENTRANCES WHEN ENTERING OR EXITING ONTO PUBLIC ROAD. THE CONTRACTOR'S REPRESENTATIVE SHALL BE RESPONSIBLE FOR MODIFYING THE SYSTEM OR PROCEDURES AS NEEDED AND AS APPROVED BY THE OWNER.

#### (3) SANITARY WASTE:

ALL SANITARY WASTE WILL BE COLLECTED FROM PORTABLE UNITS BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR AS REQUIRED BY STATE REGULATION.

#### (4) FERTILIZERS AND PESTICIDES:

FERTILIZERS AND SOIL STERILIZERS WILL BE USED ON THIS PROJECT IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AT THE DISCRETION OF THE CONTRACTOR WITH COORDINATION OF THE OWNER.

#### (5) NON-STORMWATER DISCHARGE (INCLUDING SPILL REPORTING):

A. THE CONTRACTOR WILL PROVIDE THE APPLICANT WITH AN EROSION CONTROL PLAN THAT WILL INCLUDE SPILL REPORTING AND RESPONSE.

#### B. APPROVED STATE, LOCAL PLANS, OR STORMWATER PERMITS:

- SWFWMD - CITY OF CLEARWATER

# 3. MAINTENANCE:

#### GENERA

THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE AND REPAIRS OF EROSION AND SEDIMENT CONTROL DEVICES AND REMOVAL OF EROSION AND SEDIMENT CONTROL DEVICES AFTER THE NOTICE OF TERMINATION.

MAINTENANCE AND REPAIR REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION SHALL BE INCLUDED IN THE COST OF PAY ITEMS FOR THIS PROJECT.

THE CONTRACTOR SHALL MAINTAIN RAIN GAUGES ON THE PROJECT SITE AND RECORD WEEKLY RAINFALL. ALL CONTROL MEASURES WILL BE MAINTAINED DAILY BY THE CONTRACTOR.

ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.

#### STRUCTURAL PRACTICES AND CONTROLS:

THE FOLLOWING PRACTICES WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS:

BUILT-UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.

TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.

# STABILIZED CONSTRUCTION ENTRANCES SHALL BE MAINTAINED TO PREVENT CLOGGING OF ROCK BEDDING WHICH MAY IMPEDE THE USEFULNESS OF THE STRUCTURE.

# 4. INSPECTION:

THE CONTRACTOR'S DAILY INSPECTIONS REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION SHALL BE INCLUDED IN THE COST OF THE PAY ITEMS FOR THIS PROJECT.

ALL EROSION AND WATER POLLUTION ABATEMENT AND CONTROL MEASURES WILL BE INSPECTED DAILY BY THE CONTRACTOR.

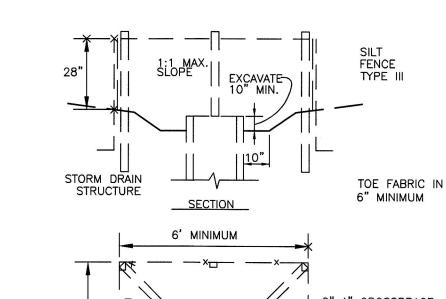
THE CONTRACTOR SHALL USE THE STANDARD CONSTRUCTION INSPECTION REPORT FORM FOR DAILY INSPECTIONS.

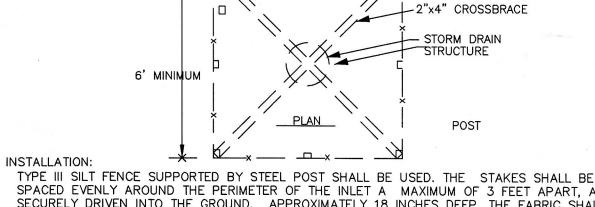
# 5. TRACKING AND REPORTING:

THE CONTRACTOR SHALL SUBMIT A WEEKLY REPORT TO THE APPLICANT DOCUMENTING THE DAILY INSPECTIONS AND MAINTENANCE OR REPAIRS TO THE EROSION AND SEDIMENT CONTROL DEVICES.

THE PERMITTEE OR ITS REPRESENTATIVES SHALL MAINTAIN ALL REQUIRED RECORDS SUBMITTED BY THE CONTRACTOR AND COMPLETE ALL CSWMP INSPECTION REPORT FORMS REQUIRED FOR THE NPDES PERMIT.

PREPARATION OF THE CONTRACTOR'S WEEKLY REPORTS OF INSPECTIONS, MAINTENANCE AND REPAIRS, REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION, SHALL BE INCLUDED IN THE COST OF THE PAY ITEMS FOR THIS PROJECT.



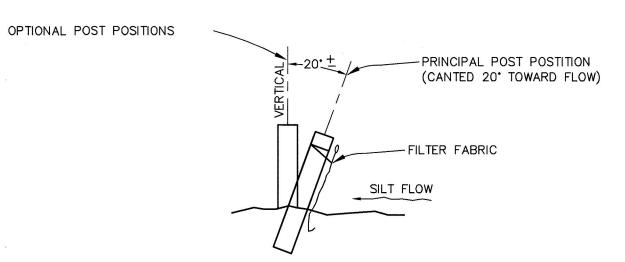


SPACED EVENLY AROUND THE PERIMETER OF THE INLET A MAXIMUM OF 3 FEET APART, AND SECURELY DRIVEN INTO THE GROUND, APPROXIMATELY 18 INCHES DEEP. THE FABRIC SHALL BE ENTRENCHED 12 INCHES AND BACKFILLED WITH CRUSHED STONE OR COMPACTED SOIL. FABRIC AND WIRE SHALL BE SECURELY FASTENED TO THE POST, AND FABRIC ENDS MUST BE OVERLAPPED A MINIMUM OF 18 INCHES OR WRAPPED TOGETHER AROUND A POST TO PROVIDE A CONTINUOUS FABRIC BARRIER AROUND THE INLET.

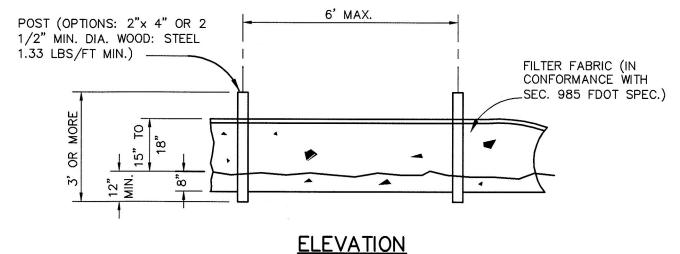
THE TRAP SHALL BE INSPECTED DAILY AND AFTER EACH RAIN AND REPAIRS MADE AS NEEDED. SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT HAS ACCUMULATED TO ONE—HALF THE HEIGHT OF THE TRAP. SEDIMENT SHALL NOT BE WASHED INTO THE INLET. IT SHALL BE REMOVED FROM THE SEDIMENT TRAP AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLET, AGAIN.

FILTER FABRIC WITH SUPPORTING FRAME
N.T.S.

INLET SEDIMENT TRAP



**SECTION** 



# TYPE III SILT FENCE D.O.T. INDEX #102 N.T.S.

MAINTENANCE OF SILT SCREENS: SILT SCREENS SHALL BE INSPECTED BY THE CONTRACTOR AFTER EACH RAINFALL EVENT FOR SIGNS OF DETERIORATION OR FAILURE. DETERIORATION OF A SILT SCREEN SHALL BE CONSTRUED TO MEAN THAT THE SILT SCREEN HAS LIMITED EFFECTIVENESS OR CAPACITY FOR THE FUNCTION OF TRAPPING SEDIMENT, DUE TO PROBLEMS SUCH AS, BUT NOT LIMITED TO, EXCESSIVE BUILDUP OF SEDIMENT OR CONSTRUCTION ACCIDENT. WHEN A SILT SCREEN BECOMES DETERIORATED, IT SHALL BE IMMEDIATELY REMEDIED BY THE CONTRACTOR BY SUCH MEANS AS REMOVAL OF THE EXCESSIVE BUILDUP OF SILT, STRAIGHTENING AND TIGHTENING OF THE SCREEN, OR ANY OTHER SUCH MEASURE DEEMED NECESSARY. FAILURE OF A SILT SCREEN SHALL BE CONSTRUED TO MEAN THAT THE SILT SCREEN IS NO LONGER CAPABLE OF FUNCTIONING TO TRAP SEDIMENT DUE TO A RIP, TEAR, OVERTOPPING BY SEDIMENT, BIODEGRADATION, CONSTRUCTION ACCIDENT, OR ANY OTHER SUCH MEANS. WHEN A SILT SCREEN HAS FAILED, IT SHALL BE IMMEDIATELY REPLACED WITH NEW SILT SCREEN BY THE CONTRACTOR WITHIN THE LIMITS OF FAILURE. PREVENTATIVE MAINTENANCE OF THE SLIT SCREEN SHALL BE ACCOMPLISHED BY WEEKLY INSPECTION FOR SIGNS OF DETERIORATION OR FAILURE DURING PERIODS OF NO RAINFALL EVENT.

ASPHALTIC SURFACE—CONCRETE

NOTES:

1. SPECIAL ATTENTION IS TO BE GIVEN TO THE PLACEMENT OF SOD NEXT TO THE ROADWAY. TOP OF SOD SHALL MATCH EDGE OF VALLEY CURB.

# SOD DETAIL AT STRUCTURES

SOD DETAIL AT PAV'T EDGE

# GENERAL SODDING NOTES

- -See F.D.O.T. Index No's. 100, 105, 272, 273, 281, and City of Clearwater Guidelines on D.R.A.'s for additional details.
- -All disturbed areas of an existing public right of way shall receive sodding.
- -All new roadways shall receive sodding, 16" wide along the vally curb edges as a minimum.
- -All drainage structures shall receive sodding per the above as a minimum.
- -All slopes 4:1 OR steeper shall receive sodding.
- -All sod on slopes equal to or steeper than 4 to 1 shall be pegged or mat secured as necessary to prevent displacement unless directed by the City.
- —All other disturbed areas NOT receiving sod shall be properly seeded and mulched.
- -Sodding shall include all work, fertilizers, and watering necessary to produce a dense, live stand of grass.

  -Sodding will be considered acceptable if 80% of the installation is healthy at the beginning and end of the
- 18 month maintenance period.

SODDING DETAIL

NTS

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

CONSTRUCTION SURFACE WATER MANAGEMENT PLAN (CSWMP)

1. THE CSWMP CONSISTS OF PLAN SHEETS 1-2 OF 2 SHOWING EROSION PROTECTION DEVICES TO BE UTILIZED ON THE PROJECT. TOGETHER WITH EROSION PROTECTION DETAILS SHOWN ON THIS SHEET.

2. THE APPLICANT/OWNER OR AUTHORIZED AGENT HAS REVIEWED THE CSWMP AND HAS SIGNED THE CSWMP WHERE REQUIRED BELOW.

3. THE CSWMP SHALL BE PART OF THE FINAL CONSTRUCTION PLANS FOR THE PERMITTED SURFACE WATER MANAGEMENT SYSTEM.

NAME:	DATE:

APPLICANT OWNER AUTHORIZED AGENT

SIGNATURE:

PREPARED FOR:

BEAZER HOMES TAMPA DIVISION 2630 SOUTH FAULKENBURG ROAD, SUITE A RIVERVIEW, FLORIDA 33569 PHONE: 813-663-9002 FAX: 813-663-9493 COSTA VERDE AT COUNTRYSIDE
STORMWATER POLLUTION PREVENTION
PLAN AND CSWMP

| JOB NO. | 282-02 | EPN | | 169 | | 5.8 a PG. | | 2 | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 |

THE SIGNATURE OF THE QUALITY CONTROL OFFICER IN THIS SPACE INDICATES THAT ALL REQUIRED PERMITS HAVE BEEN OBTAINED AND THAT CONSTRUCTION IS AUTHORIZED TO COMMENCE.

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