**ITEM # 24 – ROADS AND LANDINGS**

| **ITEM #24 ROAD CONSTRUCTION** |
| --- |
| 1. [[ ] ]Yes [[ ] ] No
 | **Will any road(s) be CONSTRUCTED?** |
|  | PROVIDE: The classification and approximate length of each of the following logging road segment categories: 1034(o)Road classification:[ ]  Permanent Approximate Length Feet: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[ ]  Seasonal Approximate Length Feet: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[ ]  Temporary Approximate Length Feet: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. [[ ] ]Yes [[ ] ] No
 | Will new road construction be wider than single lane with turnouts?**If YES, address pursuant to 14 CCR 923 [943, 963](c) & 923.2 [943.2, 963.2](d)(1)** |
| **c.**[[ ] ]Yes [[ ] ] No | Will any Logging road(s) cross?[ ]  Unstable areas[ ]  Connected headwall swales (14 CCR 895.1 “Connected Headwall Swale”)[ ]  Both**If YES, address pursuant to 14 CCR 923.1 [943.1, 963.1](d)** |
| **d.** [[ ] ]Yes [[ ] ] No | Will any new roads?[ ]  Exceed a grade of 15%[ ]  Have grades greater than 15% for distances greater than 500 feet[ ]  BothNOTE: per 14 CCR 1034(x)(5)(A) new road construction or reconstruction segments exceeding 15% for 200 feet shall be mapped.**If YES, address pursuant to 14 CCR 923.2 [943.2, 963.2](d)(2). See 923 [943. 963](c).** |
| **e.** [[ ] ]Yes [[ ] ] No | Will any logging roads be constructed within?[ ]  150 feet of a Class I Watercourse and Lake Transition Line (WLTL)[ ]  100 feet of a class II WLTL on slopes greater than 30%[ ]  Class I Watercourse or Lake[ ]  Class II Watercourse or Lake[ ]  Class III Watercourse or Lake[ ]  Class IV Watercourse or Lake[ ]  A Watercourse and Lake Production Zone (WLPZ)[ ]  Other (Examples; marshes, wet meadows, wet areas)If “OTHER” is selected describe the type of feature referenced below.NOTE: Exceptions are permitted per 14 CCR 923.1 [ 943.1, 963.1](b)(1) – (3) at:* Existing logging road crossing(s)
* Logging road watercourse crossing(s) to be constructed that are approved as part of a Fish and Game Code process (F&GC 1600 et seq.)
* Logging road watercourse crossings of class III watercourses that are dry at the time of use.

**If YES, address per 14 CCR 923 [943, 963](c)** |
| **f.** [[ ] ]Yes [[ ] ] No | Will any constructed road be located across 100 feet or more lineal distance on?[ ]  Slopes over 65%[ ]  Slopes over 50% which are within 100 feet of the boundary of a WLPZ that drains toward the zoned watercourse or lake**If YES, address per 14 CCR 923.2 [943.2, 963.2](a)(7) and 923.4 [943.4, 963.4](n)** |
| **g. 1.**[[ ] ]Yes [ ] ] No | Will any road(s) be deactivated? |
| **2.**[[ ] ]Yes [[ ] ] No | Will any road(s) be abandoned?Road classification:[ ]  Permanent Approximate Length Feet: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[ ]  Seasonal Approximate Length Feet: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[ ]  Temporary Approximate Length Feet: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **3.**[[ ] ]Yes [[ ] ] No | Will any watercourse crossing(s) be deactivated? |
| **4.**[[ ] ]Yes [[ ] ] No | Will any watercourse crossing(s) be abandoned?**If YES, describe specific measures to prevent significant sediment discharge.****per 14 CCR 923.8 [943.8, 963.8] et seq. and 923.9 [943.9, 963.9](e) and (p)****If Logging road(s) are to be abandoned provide the blockage design Per 14 CCR 923.8 [943.8, 963.8](d)** |
| **h.** [[ ] ]Yes [[ ] ] No | Is there any exception to flagging or otherwise identifying the location of any road(s) to be constructed?**If YES, address per 14 CCR 923.3 [943.3, 963.3](c)** |

| **ROAD RECONSTRUCTION** |
| --- |
| 1. [[ ] ]Yes [[ ] ] No
 | **Will any roads be** **RECONSTRUCTED**? |
|  | PROVIDE: The classification and approximate length of each of the following logging road segment categories: 1034(o)Road classification:[ ]  Permanent Approximate Length Feet: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[ ]  Seasonal Approximate Length Feet: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[ ]  Temporary Approximate Length Feet: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **j.** [[ ] ]Yes [[ ] ] No | Will new road reconstruction be wider than single lane with turnouts?**If YES, address pursuant to 14 CCR 923 [943, 963](c) & 923.2 [943.2, 963.2](d)(1)** |
| **k.** [[ ] ]Yes [[ ] ] No | Will any logging roads be reconstructed within?[ ]  Class I Watercourse or Lake[ ]  Class II Watercourse or Lake[ ]  Class III Watercourse or Lake[ ]  Class IV Watercourse or Lake[ ]  A Watercourse and Lake Zone (WLPZ)[ ]  Other (Examples; marshes, wet meadows, wet areas)If “OTHER” is selected describe the type of feature referenced below.NOTE: Exceptions are permitted per 14 CCR 923.1 [ 943.1, 963.1](b)(1) – (3) at:* Existing logging road crossing(s)
* Logging road watercourse crossing(s) to be constructed that are approved as part of a Fish and Game Code process (F&GC 1600 et seq.)
* Logging road watercourse crossings of class III watercourses that are dry at the time of use.

**If YES, address per 14 CCR 923 [943, 963](c)** |
| **l.** [[ ] ]Yes [[ ] ] No | Will any reconstructed road be located across 100 feet or more lineal distance on?[ ]  slopes over 65%[ ]  Slopes over 50% which are within 100 feet of the boundary of a WLPZ that drains toward the zoned watercourse or lake.**If YES, address per 14 CCR 923.2 [943.2, 963.2](a)(7) and 923.4 [943.4, 963.4](n)** |
| **m.** [[ ] ]Yes [[ ] ] No | Is there any exception to flagging or otherwise identifying the location of any road(s) to be reconstructed?**If YES, address per 14 CCR 923.3 [943.3, 963.3](c)** |
| **LANDING CONSTRUCTION** |
| **n.** [[ ] ]Yes [[ ] ] No | **Will any Landing(s) be CONSTRUCTED?** |
| **o**. [[ ] ]Yes [[ ] ] No | Will any landing(s) be constructed within?[ ]  150 feet of a Class I Watercourse and Lake Transition Line (WLTL)[ ]  100 feet of a class II WLTL on slopes greater than 30%[ ]  Class I Watercourse or Lake[ ]  Class II Watercourse or Lake[ ]  Class III Watercourse or Lake[ ]  Class IV Watercourse or Lake[ ]  A Watercourse and Lake Protection Zone (WLPZ)[ ]  Other (Examples; marshes, wet meadows, wet areas)If “OTHER” is selected describe the type of feature referenced below.NOTE: Exceptions are permitted per 14 CCR 923.1 [ 943.1, 963.1](b)(1) – (3) at:* Existing crossing(s)
* Logging road watercourse crossing(s) to be constructed that are approved as part of a Fish and Game Code process (F&GC 1600 et seq.)
* Logging road watercourse crossings of class III watercourses that are dry at the time of use.

**If YES, address per 14 CCR 923 [943, 963](c)** |
| **p.** [[ ] ]Yes [[ ] ] No | Will any landing(s) exceed one half acre in size?NOTE: per 14 CCR 1034(x)(5)(D) if any landing exceeds ¼ acre in size or requires substantial excavation, the location shall be mapped.**If YES, address per 14 CCR 923 [943, 963](c) and 923.2 [943.2, 963.2](e)(2)** |
| **q.** [[ ] ]Yes [[ ] ] No | Will any Landing(s) be located on?[ ]  Unstable areas[ ]  Connected headwall swales (14 CCR 895.1 “Connected Headwall Swale”[ ]  Both**If YES, address pursuant to 14 CCR 923.1 [943.1, 963.1](d)** |
| **r.** [[ ] ]Yes [[ ] ] No | Will any landing construction be located across 100 feet or more lineal distance on?[ ]  Slopes over 65%[ ]  Slopes over 50% which are within 100 feet of the boundary of a WLPZ that drains toward the zoned watercourse or lake.**If YES, address per 14 CCR 923.2 [943.2, 963.2](a)(7) and 923.4 [943.4, 963.4](n)** |
| **s.** [[ ] ]Yes [[ ] ] No | Will any Landing(s) be deactivated? |
| [[ ] ]Yes [[ ] ] No | Will any Landing(s) be abandoned?**If YES, describe specific measures to prevent significant sediment discharge.****per 14 CCR 923.8 [943.8, 963.8] et seq. and 923.9 [943.9, 963.9](e) and (p)** |

| **LANDING RECONSTRUCTION** |
| --- |
| **t.** [[ ] ]Yes [[ ] ] No | **Will any Landing(s) be RECONSTRUCTED?** |
| **u.** [[ ] ]Yes [[ ] ] No | Will any landings be reconstructed within?[ ]  Class I Watercourse or Lake[ ]  Class II Watercourse or Lake[ ]  Class III Watercourse or Lake[ ]  Class IV Watercourse or Lake[ ]  A Watercourse and Lake Protection Zone (WLPZ)[ ]  Other (Examples; marshes, wet meadows, wet areas)If “OTHER” is selected describe the type of feature referenced below.NOTE: Exceptions are permitted per 14 CCR 923.1 [ 943.1, 963.1](b)(1) – (3) at:* Existing logging roads crossing(s)
* Logging road watercourse crossing(s) to be constructed that are approved as part of a Fish and Game Code process (F&GC 1600 et seq.)
* Logging road watercourse crossings of class III watercourses that are dry at the time of use.

**If YES, address per 14 CCR 923 [943, 963](c)** |

| **SIGNIFICANT EROSION SITE(S)** |
| --- |
| **v.** [[ ] ]Yes [[ ] ] No | Are there any significant erosion sites?[ ]  Existing[ ]  Potential[ ]  BothAssociated within the logging area at?[ ]  Logging road(s)[ ]  Landing(s)[ ]  Watercourse crossing(s) in the logging area?Per 14 CCR 923.1 [943.1, 963.1](e)(1) – (5). Also see 923.9 [943.9, 963.9](a)**If YES, for each significant existing or potential erosion site, provide the following:*** Describe current condition of the site.
* Identify which sites can be feasibly treated, and which sites cannot.
* Specify mitigations for those sites that can be feasibly treated.
* Indicate logical order of treatmentfor those which have feasible treatments

NOTE: Consider providing a MAP POINT TABLE which identifies the erosion site by mapped referenced identifier consistent with mapped locations. |

**MITIGATION AND/OR MANAGEMENT MEASURES:** If needed, provide additional details of site; and/or describe proposed treatment

\*NOTE: Write “NA” or “---“ if a box is not applicable to the map point

| **MAP POINT (MP) Identifier** | **SITE DESCRIPTION****(SD) (See Key)** | **Watercourse****CLASS (WC) or feature** | **EXISTING****Culvert Diameter Size (EC)** | **PROPOSED Culvert Diameter Size (PC)** | **Geologist used? Yes or No** | **1600? Yes or No** | **Potential Sediment Discharge (PSD) in cu. yds. (See Key)** | **Implementation Priority (IP)****(See Key)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **MP**: | **SD**: | **WC**: | **EC**: | **PC**: | **Geo Used**? | **1600**? | **PSD**: | **IP**: |
|  | **Mitigation/Management Measures**:  |
| **MP**: | **SD**: | **WC**: | **EC**: | **PC**: | **Geo Used**? | **1600**? | **PSD**: | **IP**: |
|  | **Mitigation/Management Measures**:  |
| **MP**: | **SD**: | **WC**: | **EC**: | **PC**: | **Geo Used**? | **1600**? | **PSD**: | **IP**: |
|  | **Mitigation/Management Measures**:  |
| **MP**: | **SD**: | **WC**: | **EC**: | **PC**: | **Geo Used**? | **1600**? | **PSD**: | **IP**: |
|  | **Mitigation/Management Measures**:  |
| **MP**: | **SD**: | **WC**: | **EC**: | **PC**: | **Geo Used**? | **1600**? | **PSD**: | **IP**: |
|  | **Mitigation/Management Measures**:  |
| **MP**: | **SD**: | **WC**: | **EC**: | **PC**: | **Geo Used**? | **1600**? | **PSD**: | **IP**: |
|  | **Mitigation/Management Measures**:  |

 INSTRUCTIONS FOR FILLING OUT MAP REFERENCE TABLE FOR PLANNED WORK AND MITIGATION

The Map Reference/Work Order Table is designed to be used in Timber Harvesting Plans (THPs), Nonindustrial Timber Management Plans (NTMPs), and Notices of Timber Operations (NTOs). It has been designed to eliminate the need to repeatedly provide the same information separately for THPs/NTMPs, Erosion Control Plans, and 1600 applications. Instead, the table can be referenced under appropriate THP/NTMP item numbers, RWQCB Erosion Control Plans (ECP)’s, and/or 1600 permit applications included in the THP/NTMP.

All map points (e.g. unstable areas, exception and in lieu points, watercourse crossings, mitigation sites, etc.) can be identified in the table. Acronyms from the “Map Key” (see below) can be utilized for the “Site Description” and “Implementation Priority” found on the table. It is suggested that you include the Map Key, Map Reference Table, and associated map together in Section II of the Plan.

To add additional rows in the Map Reference Table: copy the full row which is established for each map point (composed of two lines); and add to the bottom of your table.

If you are submitting an NTO, please update your Map Reference Table to reflect current information. If a map point has been addressed under a previous NTO, indicate that (e.g. “Addressed under previous NTO”) and include any additional maintenance information, if applicable, for that map point. If you add new map points to the NTO table, they must have been amended to the NTMP first, UNLESS they are maintenance points only.

| **MAP POINT / WORK ORDER TABLE KEY** |
| --- |
| **SITE DESCRIPTION** |
| **OK** | Functional Site | **CROSSING TYPES** |
| **CSDS** | Controllable Sediment Discharge Site | **B** | Bridge |
| **UA** | Unstable Area | **CR** | Crossing site |
| **O** | Other descriptions than below(describe under “Measures” on table) | **CRF** | Crossing failure |
|  |  | **CRP** | Crossing- EXISTING permanent |
| **ROAD / SKID TRAILS** | **CRT** | Crossing- EXISTING temporary |
| **CRN** | Critical dip needed | **C** | Culvert (also see below) |
| **CUTF** | Cutbank failure | **F** | Ford |
| **FF** | Fill failure | **HCR** | Humboldt crossing |
| **FP** | Fill perched | **LSB** | Log stringer bridge |
| **G** | Gully | **RRD** | Rocked Rolling Dip |
| **L** | Landing | **SCR** | Spitler crossing |
| **IDE** | inside ditch eroding |  |  |
| **RA** | Road abandonment | **CULVERT CONDITIONS** |
| **RC** | Road construction | **CAM** | Culvert attachments missing(e.g. trash racks, downspouts, etc.) |
| **RR** | Road Reconstruction | **CD** | Damaged inlet or outlet |
| **RD** | Rolling dip | **CDR** | Ditch relief needed |
| **SK** | Skid trail | **CF** | Failed / failing |
| **WB** | Waterbar | **CFB** | Fish barrier |
|  |  | **CFD** | French Drain |
| **WLPZ and WATERCOURSES** | **CNA** | Culvert not aligned |
| **AP** | Alternative practice | **CNG** | Culvert not installed to grade |
| **FB** | Fish barrier | **CE** | Outlet erosion |
| **HE** | Habitat enhancement | **CS** | Outlet shotgunned |
| **IL** | In lieu practice | **CP** | Culvert plugged |
| **WD** | Water drafting | **CU** | Culver undersized |
| **WCD** | Watercourse diversion |  |  |
| **WDP** | Woody debris project |  |  |
|  | a |  |  |
| **IMPLEMENTATION PRIORITY (IP)** |
| **HIGH** | Mitigation applied in: 1st year after Harvest Document approval. |
| **MED.** | Mitigation applied concurrent with operations affecting site. |
| **LOW** | Mitigations applied prior to Harvest Document completion. |
|  | aa |  |  |
| **POTENTIAL SEDIMENT DISCHARGE** |
| If located in the Region of the North Coast Regional Water Quality Control Board, provide the following information in the associated table for each Controllable Sediment Discharge Source (CSDS) map point |
| * Potential Sediment Discharge (PSD): expressed in total cubic yards
 |

**ITEM #25**

| **NOTE:** If any item listed above is checked “YES” Provide:* **Operations Instructions to the LTO,** in accordance with the respective rule requirement(s) in **SECTION II** of the THP.
* Any required **explanation and justification** should be included in **SECTION III**
 |
| --- |

| **Operation instructions to the LTO:** |
| --- |

**ONLINE SYSTEM WILL HAVE A BOX TO ALLOW FOR THE EXPLANATION AND EXPLANATION TO BE COMPLETED IN SECTION II BUT WILL POPULATE IN SECTION THREE WHEN PRINTED**

| **ASP WATERSHEDS** |
| --- |
| **a**. [[ ] ]Yes [[ ] ] No | Will hauling on roads and landings be limited to those which are Hydrologically disconnected from watercourses to the extent feasible, and exhibit a stable operating surface?**If NO, address the exception pursuant to 923.6 [943.6,963.6] (h)(3).** |
| **ADDRESS THE FOLLOWING AS IT APPLIES TO ASP WATERSHEDS OR****IMMEDIATELY UPSTREAM AND CONTIGUOUS TO, ANY WATERSHED WITH LISTED ANADROMOUS SALMONIDS** |
| * When logging road(s) or landing(s) construction or reconstruction is proposed identify:
 |
| 1. How the proposed operations will fit into the systematic layout pattern.

Per 14 CCR 923.1 [943.1. 963.1](g) |
| 1. What, if any, offsetting mitigation measures (including but not limited to, abandonment of logging road(s) and landing(s)) are need to minimize potential adverse impacts to watersheds from the road system.

Per 14 CCR 923.1 [943.1. 963.1](g) |
| * Provide specific provisions for the protection of salmonid habitat for all logging road(s) construction:
 |
| 1. On slopes, greater than 50% with access to a watercourse or lake.

Per 14 CCR 923.4 [943.4, 963.4](s)(1) |
| * Provide specific erosion control measures for all permanent and seasonal roads:
 |
| 1. With a grade of 15% or greater which extends 500 feet or more.

Per 14 CCR 923.5 [943.5, 963.5](q)(2) |