



ATTACHMENT 1B

DEPARTMENT OF PUBLIC WORKS

COUNTY OF HUMBOLDT

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AREA CODE 707



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CLARK COMPLEX
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AVIATION 839-5401

ADMINISTRATION 445-7491
BUSINESS 445-7652
ENGINEERING 445-7377
FACILITY MAINTENANCE 445-7493

NATURAL RESOURCES 445-7741
NATURAL RESOURCES PLANNING 267-9540
PARKS 445-7651
ROADS & EQUIPMENT MAINTENANCE 445-7421

LAND USE 445-7205

LAND USE DIVISION INTEROFFICE MEMORANDUM

TO: Trevor Estlow, Senior Planner

FROM: Robert W. Bronkall, Deputy Director *RB*

RE: SUBDIVISION REQUIREMENTS - IN THE MATTER OF THE
APPLICATION OF HORNSTEIN, APN 500-091-047, FMS16-006 FOR
APPROVAL OF A TENTATIVE MAP, CONSISTING OF 85 ACRES INTO 3
LOTS

DATE: 11/15/2017

The following requirements and standards are applicable to this project and must be completed to the specifications and satisfaction of the Department of Public Works (Department) before the subdivision map may be filed with the County Recorder. If there has been a substantial change in the project since the last date shown above, an amended report must be obtained and used in lieu of this report. Prior to commencing the improvements indicated below, please contact the Subdivision Inspector at 445-7205 to schedule a pre-construction conference.

These recommendations are based on the tentative map prepared by John Hornstein dated Sept. 2016, and dated as received by the Humboldt County Planning Division on December 1, 2016.

NOTE: All correspondence (letters, memos, faxes, construction drawings, reports, studies, etc.) with this Department must include the Assessor Parcel Number (APN) shown above.

READ THE ENTIRE REPORT BEFORE COMMENCING WORK ON THE PROJECT

1.0 MAPPING

1.1 EXPIRATION OF TENTATIVE MAP: Applicant is advised to contact the Planning & Building Department to determine the expiration date of the tentative map and what time extension(s), if any, are applicable to the project. Applicant is responsible for the timely filing of time extension requests to the Planning & Building Department.

Applicant is responsible for completing all of the subdivision requirements prior to expiration of the tentative map. Applicant is advised to promptly address all of the subdivision requirements in order to avoid the tentative map expiring prior to completion of the subdivision requirements. Applicants are encouraged to contact a land development professional for advice on developing a realistic schedule for the processing of the project.

- 1.2 MAP TYPE:** Applicant must cause to be filed a subdivision map showing monumentation of all property corners to the satisfaction of this Department in compliance with Humboldt County Code Section 326-15. Subdivision map checking fees shall be paid in full at the time the subdivision map is submitted for checking. County Recorder fees shall be paid prior to submittal of the map to the County Recorder for filing. The subdivision map must be prepared by a Land Surveyor licensed by the State of California -or- by a Civil Engineer registered by the State of California who is authorized to practice land surveying.

All Department charges associated with this project must be paid in full prior to the subdivision map being submitted to the County Recorder for filing.

Applicant shall submit to this Department four (4) full-size copies of the subdivision map as filed by the County Recorder.

Prior to submitting the subdivision map to the County Surveyor for map check, applicant shall submit the subdivision map to the utility providers to provide input on necessary public utility easements. Copies of the responses from the utility providers shall be included with the first submittal of the subdivision map to the County Surveyor.

If the project includes a lot line adjustment with adjacent parcel(s), the lot line adjustment shall be recorded prior to the filing of the subdivision map. The subdivision map may show the lot line adjustment parcel(s) outside of the subdivision map's distinctive border.

- 1.3 DEPOSIT:** Applicant shall be required to place a security deposit with this Department for inspection and administration fees as per Humboldt County Code Section 326-13 prior to review of the improvement plans, review of the subdivision map, or the construction of improvements, whichever occurs first.
- 1.4 PROOF OF LEGAL ACCESS:** Applicant shall provide, to the satisfaction of this Department, proof of recorded access from a publicly maintained road to the subject property. The width of the access shall be a minimum of 50 feet and shall be shown on the subdivision map. [Reference: Roadway design standards/classification plats in Section 4.2 of Appendix A of the County Subdivision Ordinance]
- 1.5 EASEMENTS:** All easements that encumber or are appurtenant to the subdivision shall be shown graphically on the subdivision map. Those easements that do not have a metes and bounds description shall be noted on the subdivision map and shown as to their approximate location.
- 1.6 FURTHER SUBDIVISION:** At least some of the parcels may be further divided; therefore, the applicant shall conform to Humboldt County Code Section 323-6(a)(5), Statements to Accompany a Tentative Subdivision Map.

- 1.7 PRIVATE ROADS:** Pursuant to County Code Section 323-2(c)(3), the subdivision map shall show the lanes clearly labeled "Non-County Maintained Lane" or "Non-County Maintained Road". Pursuant to County Code Section 323-2(c)(5), the following note shall appear on the map or instrument of waiver, which shall read substantially as follows:

"If the private lane or lanes shown on this plan of subdivision, or any part thereof, are to be accepted by the County for the benefit of the lot owners on such lane rather than the benefits of the County generally, such private lane or lanes or parts thereof shall first be improved at the sole cost of the affected lot owner or owners, so as to comply with the specification as contained in the then applicable subdivision regulations relating to public streets."

[County Code Section 323-2 appears after Section 324-1 in County Code]

- 1.8 DEDICATIONS:** The following shall be dedicated on the subdivision map, or other document as approved by this Department:

(a) IDYLBEAR LANE (NOT COUNTY MAINTAINED):

Access: Applicant shall cause to be dedicated on the subdivision map a non-exclusive easement for ingress, egress, and public utilities for the benefit of the parcels/lots within the subdivision in a manner approved by this Department.

A turn-around area shall be provided at the end of road.

2.0 IMPROVEMENTS

- 2.1 CONSTRUCTION PLANS:** Construction plans shall be submitted for any required road, drainage, landscaping, and pedestrian improvements. Construction plans must be prepared by a Civil Engineer registered by the State of California. Construction plans shall be on a sheet size of 22" x 34", unless approved otherwise by this Department. Construction of the improvements shall not commence until authorized by this Department. This Department will require the submittal of 1 full size (22" x 34") set and 1 reduced (11" x 17") set of the approved construction plans prior to start of work.

The construction plans shall show the location of all proposed new utilities and any existing utilities within 10 feet of the improvements. The plans shall be signed as approved by the local fire response agency and public utility companies having any facilities within the subdivision prior to construction authorization by this Department.

Construction plans shall be tied into elevation datum approved by this Department.

Unless otherwise waived by this Department, record drawing ("As-Built") plans shall be submitted for any road, drainage, landscaping, and pedestrian improvements that are constructed as part of this project. Record drawing plans must be prepared by a Civil Engineer registered by the State of California. Once approved by this Department, one (1) set of "wet stamped" record drawings on 22" x 34" mylar sheets shall be filed with this Department.

- 2.2 CONSTRUCTION PERIOD:** Construction of improvements for this project will not be allowed to occur between October 15 and April 15 without permission of this Department.

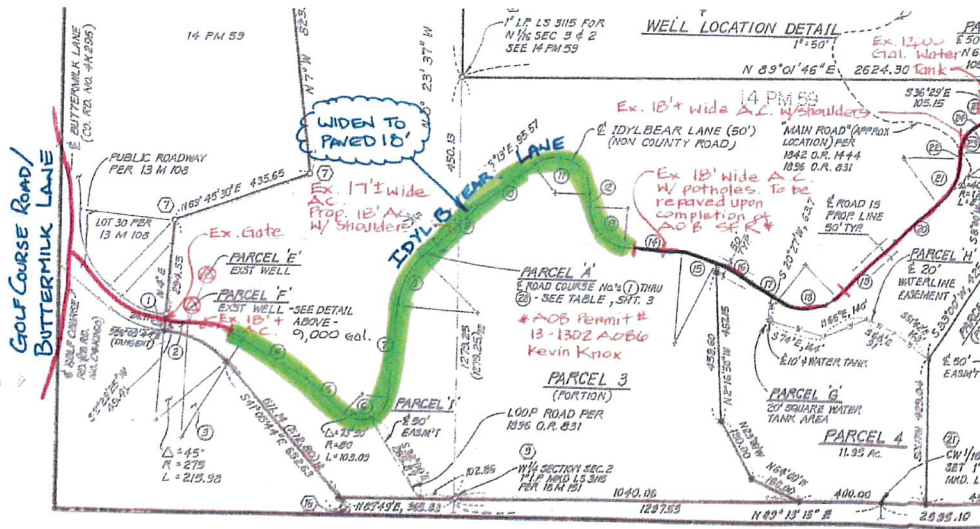
2.3 ROAD NAMES: The access road(s)/street(s) shall be named as approved by the Planning & Building Department - Planning Division.

2.4 TRAFFIC CONTROL DEVICES: Street name and traffic control devices may need to be placed as required and approved by this Department.

In addition, pursuant to County Code Section 323-2(c)(4), non-county maintained roads shall be posted with a sign of at least 2 square feet in size containing substantially the following words in 2" high black letters on a yellow background: "Not a County Maintained Road" or "Not a County Maintained Street". The sign shall be approved by the Department prior to installation. (last paragraph for private roads)

2.5 ACCESS ROADS: The access road(s) serving the subdivision shall be constructed to the satisfaction of this Department as follows:

(a) **IDYLBEAR LANE (NOT COUNTY MAINTAINED):** Widen approximately 2,000 feet of Idylbear Lane to 18 feet wide, paved. The approximate location of the widening is shown in the diagram below.



Above: diagram showing the approximate locations of the road widening
Highlighted green = widen to 18 feet paved

(b) **SPLINTER LANE (NOT COUNTY MAINTAINED):** Splinter Lane shall be constructed to the minimum standards in the Fire Safe Regulations (and any approved exception) and the Subdivision Ordinance based upon the total number of parcels using the road, both within and outside of the subject property.

Total number of parcels to use the road	Fire Safe Regulations Minimum Road Requirements
up to 2	Category 2: 12' wide gravel road with inter-visible turnouts
up to 8	Category 3: 16' wide gravel road with 2' wide bladed shoulders on each side
up to 80	Category 4: 18' wide gravel road with 2' wide bladed shoulders on each side
up to 120	Category 4: 20' wide gravel road with 5' wide bladed shoulders on each side (18' wide

	gravel with 2' bladed shoulders may be permitted on local roads in mountainous terrain)
dup to 300	Category 4: 20' wide gravel road with 5' bladed shoulders on each side
up to 400	Category 4: 22' wide gravel road with 6' bladed shoulders on each side
no limit	Category 4: 24' wide gravel road with 8' bladed shoulders on each side
Note: Recommendations are based upon County Fire Safe Regulations (Humboldt County Code Section 3111-1, et seq), the 1973 County Road Design Manual and supplemented by 2004 AASHTO "Green Book" Exhibits 5-5 & 6-5. Both the County Road Design Manual and AASHTO "Green Book" use ADT. County Subdivision Ordinance (Humboldt County Code Section 321-1, et seq.), Appendix 4-2 states that each rural parcel has an ADT of 5 trips per day. For uniformity, ADTs were converted to parcels to match County Fire Safe Regulations.	

In addition, roadside ditches shall be constructed when required by this Department.

- (c) The access road(s) from a County maintained road to the subject property; and all access road(s) (including driveways) within the subject property shall be certified by a Civil Engineer registered by the State of California to be in conformance with SRA Fire Safe Regulations as adopted by the County of Humboldt; in conformance with any exceptions approved by the Director of Planning & Building of the County of Humboldt; and in conformance with any exceptions approved by Cal Fire. Conformance shall include, but is not limited to: width of traveled way; roadway grade; curve radius; roadway surface; turnouts; turnaround areas; and maximum length of dead-end road. Certification shall be made in a manner approved by this Department.

In the event that the Civil Engineer is unable to certify that the road(s) are in conformance, the applicant shall cause construction plans to be prepared by a Civil Engineer that show what improvements need to be constructed to bring the road(s) into conformance. The plans shall be submitted for review by this Department. Once the construction plans are authorized for construction by this Department and the applicant constructs the improvements, the engineer shall certify that the road(s) are in conformance.

Note: Off-site improvements to access roads (such as curve realignments, grade realignments, and turnouts) may require acquisition of easement(s) to construct the proposed road improvements. The applicant is responsible for acquiring any easements and permits that may be necessary to construct the improvements.

- (d) Nothing is intended to prevent the applicant from constructing the improvements to a greater standard.
- (e) Nothing is intended to prevent this Department from approving alternate typical sections, structural sections, drainage systems, and road geometrics based upon sound engineering principals as contained in, but not limited to, the Humboldt County Roadway Design Manual, Caltrans Highway Design Manual, Caltrans Local Programs Manual, Caltrans Traffic Manual, California Manual on Uniform Traffic Control Devices (MUTCD), and AASHTO's A Policy of Geometric Design of Highways and Streets (AKA "The Green Book"). Engineering must not be in conflict with Humboldt County Code or County adopted guidelines and policies.
- (f) The surface of the access road(s) shall conform to the *Structural Section* requirements within this document.

2.6 STRUCTURAL SECTION: The access road(s) shall be constructed to a structural section recommended in the soils report and as approved by this Department.

- (a) **For paved road surfaces**, the structural section shall include a minimum of 0.2 foot of Caltrans Type B hot mix ("asphalt") over 0.67 foot of Caltrans Class 2 aggregate base. If required by this Department, the structural section of all roads shall be determined by Caltrans R-Value method using a Traffic Index (T.I.) approved by this Department. Based upon soil conditions, this Department may also require a geotextile fabric to be placed on top of the sub grade.

When widening hot mix ("asphalt") roads, the widened road shall be paved with hot mix. A sawcut is required to ensure a uniform joint between the existing and new pavements. The location of the sawcut shall be approved by this Department based upon the condition of the existing road surface.

- (b) Access roads and driveways may include decorative accent treatments such as, but not limited to, stamped concrete or decorative brick pavers. Decorative accent treatments must provide appropriate traction for pedestrians, bicycles, and vehicles. **Decorative access treatments are not permitted within the public right of way**, unless approved in writing by this Department.
- (c) **For unpaved road surfaces**, the structural section shall include a minimum, of 0.5 foot of Caltrans Class 2 aggregate base. Paved surfaces are required for grades in excess of 16%.

2.7 UNKNOWN IMPROVEMENTS: Other on-site and/or off-site improvements may be required which cannot be determined from the tentative map and/or preliminary improvement plans at this time. These improvements will be determined after more complete improvement plans and profiles have been submitted to the County for review.

2.8 UTILITIES: The proposed improvements may require the undergrounding or relocation of existing facilities at the expense of the applicant. Undergrounding of existing facilities, relocation of existing facilities, or construction of new facilities shall be completed prior to constructing the structural section for the roadway.

If any utilities are required to be installed as a condition of tentative map, the utility work shall be completed prior to constructing the structural section for the road. All laterals shall be extended onto each lot and marked in a manner that they will be easily located at the time of individual hookups. A letter of completion of all work from each involved utility company shall be submitted prior to constructing the roadway structural section. Any utilities that need to be relocated shall be done solely at the subdivider's expense.

Applicant shall remove any abandoned utilities (natural gas, electrical, cable tv, etc..) within the public right of way fronting the subdivision or within the subdivision as directed by this Department.

3.0 DRAINAGE

3.1 DRAINAGE ISSUES: Applicant shall be responsible to correct any involved drainage problems associated with the subdivision to the satisfaction of this Department.

3.2 DRAINAGE REPORT: Applicant must submit a complete hydraulic report and drainage plan regarding the subdivision for review and approval by this Department. This may require the construction of drainage facilities on-site and/or off-site in a manner and location approved by this Department.

4.0 GRADING

<NONE>

5.0 MAINTENANCE

5.1 MAINTENANCE OF IMPROVEMENTS: The improvements to be constructed as part of this subdivision will not be maintained by the County. Pursuant to Humboldt County Code Section 323-2* (b) regarding Private Lanes, the Applicant must provide a permanent maintenance plan acceptable to this Department for all improvements including, but not limited to, the following: roads, drainage systems (pipes, drainage inlets, detention basins), pedestrian facilities, and landscape areas. An engineer's estimate for the cost of yearly maintenance must be approved by this Department. Maintenance shall be provided by a maintenance association, district, or other means as approved by this Department. More than one maintenance plan may be required. [*Section 323-2 is listed in County Code after Section 324-1]

Based upon the tentative map, it appears that the following will need to be maintained by a maintenance plan:

A maintenance plan for the non-county maintained roads known as Idylbear Lane and Splinter Lane.

If a maintenance association currently exists for the access road, applicant shall attempt to the satisfaction of this Department to annex the subdivision into the existing road maintenance association. That portion of this condition regarding road maintenance may be waived if the applicant provides evidence satisfactory to this Department that the subject property already belongs to a maintenance association for the access road(s).

A maintenance plan is not required for driveways; as driveways serve only one parcel. A maintenance plan is *optional* for roads that serve only two parcels. A maintenance plan is required for roads serving three or more parcels.

6.0 DEVELOPMENT PLAN: The following are required for all development plans:

<NONE>

7.0 LANDSCAPING

<NONE>

// END //